

**U.S. Army Corps of Engineers, Alaska District  
White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, Alaska  
Contract No. W911KB-04-C-0019  
FUDS Property No. F10AK096901**

**REMOVAL ACTION REPORT  
FINAL  
September 2006**



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**F10AK096901\_07.08\_0500\_a  
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## ACRONYMS AND ABBREVIATIONS

°F	degrees Fahrenheit
AC&WS	Aircraft Control and Warning Station
ACM	asbestos-containing material
ADF&G	Alaska Department of Fish and Game
AFS Ops	Air Force Station Operations
AHAs	Activity Hazard Analyses
ANCSA	Alaska Native Claims Settlement Act
Arctic Catering	Kuukpik Arctic Catering
AST	aboveground storage tank
ATV	all-terrain vehicle
BD/DR	building demolition/debris removal
BEESC	Bristol Environmental & Engineering Services Corporation
Bering Air	Bering Air, Inc.
bgs	below ground surface
CAB	concrete asbestos board
CDAP	Chemical Data Acquisition Plan
CDQAR	Chemical Data Quality Assurance Report
CDQR	Chemical Data Quality Report
CLIN	Contract Line Item Number
Con-HTW	containerized hazardous and toxic waste
CQC	contractor quality control
CQCP	Contractor Quality Control Plan
CQCSM	Contractor Quality Control Systems Manager
CTP	concrete transformer pad
DERP	Defense Environmental Restoration Program
destructor	McPherson Systems, Inc., M30F Air Curtain Destructor
E&E	Ecology and Environment, Inc.
EPA	U.S. Environmental Protection Agency
EPP	Environmental Protection Plan

## **ACRONYMS AND ABBREVIATIONS** **(continued)**

FS	feasibility study
FUDS	Formerly Used Defense Sites
MEC	Main Electronics Center
mg/kg	milligrams per kilogram
mph	miles per hour
MSL	mean sea level
MWH	Montgomery Watson Harza Americas, Inc.
NE Cape	Northeast Cape White Alice Site
NPDES	National Pollutant Discharge Elimination System
NSI	Northland Services, Inc.
Nugget	Nugget Construction, Inc.
PCBs	polychlorinated biphenyls
PLO	Public Land Order
PM	Project Manager
QA	quality assurance
QAR	Quality Assurance Representative
QC	quality control
RA	removal action
RI	Remedial Investigation
SAP	Sampling and Analysis Plan
SGS	SGS Environmental Services, Inc.
SHSP	Site Health and Safety Plan
SSHO	Site Safety and Health Officer

**ACRONYMS AND ABBREVIATIONS**  
**(continued)**

SWPPP	Storm Water Pollution Prevention Plan
T&D	transportation and disposal
TCLP	Toxicity Characteristic Leaching Procedure
Terra	Terra Surveys, LLC
the Landowners	Savoonga Native Corporation and Sivuqaq, Inc.
TP	Trail Point
USACE	U.S. Army Corps of Engineers, Alaska District
USAF	U.S. Air Force
WACS	White Alice Communications System
WDP	Work Demolition Plan

## EXECUTIVE SUMMARY

This Removal Action Report presents the results of a removal action performed at the Northeast Cape White Alice Site (NE Cape), on St. Lawrence Island, Alaska. Bristol Environmental & Engineering Services Corporation (BEESC) and its team of subcontractors performed the work for the U.S. Army Corps of Engineers, Alaska District (USACE), under Contract No. W911KB-04-C-0019.

St. Lawrence Island is located in the Bering Sea, approximately 135 air miles southwest of Nome, Alaska, at 63 degrees 20 minutes north latitude and 168 degrees 59 minutes west longitude. A U.S. Air Force (USAF) Aircraft Control and Warning Station (AC&WS) was constructed at the site during 1950 and 1951, and activated in 1952. In 1954, the USAF constructed a White Alice Communications System (WACS) station, composed of four large parabolic antennas and a building housing the electronic equipment. The facility functioned as a surveillance station, providing radar coverage for the Alaskan Air Command and, later, for the North American Air Defense Command. It was part of an Alaska-wide early warning system constructed to reduce potential vulnerability to bomber attack across the polar region.

AC&WS and WACS operations were terminated in 1969 and 1972, respectively. The majority of the military personnel were removed from the NE Cape site by the end of 1969. NE Cape buildings, and the majority of furnishings and equipment, were abandoned in place because of the high cost of off-island transport. In 2000, the White Alice Station was reclassified as a Formerly Used Defense Sites (FUDS)-eligible property, and the USACE included the area in the ongoing cleanup program for NE Cape.

A building demolition and debris removal (BD/DR) and containerized hazardous and toxic waste (Con-HTW) removal action was conducted at the site during the 2000 and 2001 field seasons. The scope of work for this activity included removal of underground storage tanks aboveground storage tanks (ASTs), drums, pole lines and wires, Con-HTW, contaminated soil, water wells, and selected buildings at the former AFS Operations (AFS Ops) Area.

BEESC conducted a BD/DR and Con-HTW removal at the site during the 2003 field season. The results of this activity were documented in the Removal Action Report (BEESC, 2004). In 2003, work occurred on both the upper and lower mountain areas. In general, the work



scope included removal and disposal of the remaining buildings, the utilidor system, a large septic tank serving the AFS Ops Area, ASTs, drums, pole lines and wires, Con-HTW, and miscellaneous wastes. A total of over 5,000 tons of waste and debris were shipped off-island for disposal in 2003. However, due to budget constraints, the USACE was not able to fund demolition of the tram towers and removal of all of the wastes identified at the site.

The scope of cleanup work for the 2005 season included:

- Preparing planning documents and reports;
- Mobilizing and demobilizing;
- Providing and improving access to the work sites;
- Removing tram towers and associated cables and wires;
- Conducting surveying, sampling, and analysis;
- Removing drums and miscellaneous items and debris;
- Removing contaminated soil and concrete;
- Removing a water collector and water line;
- Removing former power and communications poles and wires; and
- Reseeding disturbed areas.

BEESC received the USACE's notice to proceed on July 9, 2004. A total of approximately 1,700 tons of freight (equipment, fuel, supplies, and camp) were mobilized by barge to the NE Cape site on June 25, 2005. Mobilization was complete and cleanup activities began on July 5, 2005. A crew of approximately 22 people: 12 BEESC personnel, six local hires, three Kuukpik Arctic Catering personnel, and a physician's assistant were housed in a temporary construction camp built to support the project. Aircraft flying out of Nome, Alaska, provided logistics support for the project. Periodic off-island waste shipments were made using barges.

BEESC's original project schedule called for a total of 63 field days in 2005. However, the fieldwork was completed on August 23, 2005. Efficiencies achieved during the 2005 field season reduced our overall field time from 63 days (planned) to 50 days (actual). During this period, BEESC and its subcontractors:

- Upgraded and repaired six miles of road and three miles of cat trails;

- 1       • Demolished and removed the tram line, and the associated line support towers and  
2       wire/cable groups;
  - 3       • Removed approximately 26 tons of debris from two debris fields, located at the former  
4       AC&WS on Kangukhsam Mountain;
  - 5       • Removed more than 200 metal and wooden poles, and approximately 25 miles of  
6       power and communications wire and cable;
  - 7       • Sorted, processed, packaged and transported more than 1,520 tons of demolition  
8       debris;
  - 9       • Manifested and transported approximately 1,500 tons of waste off-island for disposal  
10      or recycling;
  - 11      • Burned over 370 tons of burnable wood on-island, and ash was removed for disposal  
12      off-island;
  - 13      • Excavated, packaged, manifested, transported and disposed of over 160 tons of  
14      polychlorinated biphenyls (PCB)-contaminated concrete;
  - 15      • Excavated, packaged, manifested, transported, and disposed of over 290 tons of PCB-  
16      contaminated soil; and
  - 17      • Field screened and/or sampled soil and concrete for PCB contamination at three sites  
18      (Site 31 – White Alice site, Site 7 – Cargo Beach Road Landfill area, and the AFS Ops  
19      Area).
- 20   Demobilization of personnel from NE Cape was completed by August 26, 2005. The last  
21   shipment of waste was removed from the island on September 27, 2005. Because of poor  
22   weather in the Bering Sea, the last of BEESC's equipment was not removed from the island  
23   until October 10, 2005. All of the equipment was returned to Anchorage, Alaska, by  
24   November 5, 2005.

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## **1.0 INTRODUCTION**

This Removal Action (RA) Report presents the results of an RA performed at the Northeast Cape White Alice Site (NE Cape), on St. Lawrence Island, Alaska. Bristol Environmental & Engineering Services Corporation (BEESC) and its team of subcontractors performed the work for the U.S. Army Corps of Engineers, Alaska District (USACE), under Contract No. W911KB-04-C-0019.

The work was focused on reducing hazards to human health and the environment, posed by wire, debris, and aboveground protrusions across the site, and by polychlorinated biphenyls (PCB)-contaminated soil and concrete. The work accomplished was composed of:

preparation of plans and reports; site mobilization and demobilization; providing and improving access to the work sites; removal, containerization, and disposal of incidental containerized hazardous and toxic waste (Con-HTW); removal and disposal of drums and other miscellaneous items and surface debris; removal and disposal of former power and communications poles and wires; removal of tram towers and associated cables and power lines; and removal, excavation, and disposal of PCB-contaminated concrete and soil.

The contract was awarded to BEESC on July 9, 2004, and final planning documents were submitted to the USACE on June 3, 2005. Ice reconnaissance flights began in May 2005. Sea ice conditions prevented the beach landing required to mobilize until June 25, 2005. The mobilization was completed and fieldwork began on July 5, 2005. The fieldwork was completed and demobilization began August 23, 2005. Because of poor weather in the Bering Sea, the demobilization was partially completed on September 27, 2005, and totally completed on October 12, 2005.

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## **2.0 SITE DESCRIPTION**

### **2.1 PHYSICAL DESCRIPTION AND HISTORY**

#### **2.1.1 Location**

St. Lawrence Island is located in the Bering Sea, approximately 135 air miles southwest of Nome, Alaska, at 63 degrees 20 minutes north latitude and 168 degrees 59 minutes west longitude (Figure 2-1). The NE Cape site is located in Township 25 South, Range 54 West, Kateel River Meridian. The site is approximately 8 miles west of the Northeast Cape of St. Lawrence Island, and lies between Kitnagak Bay to the northeast, Kangighsak Point to the northwest, and the Kinipaghulghat Mountains to the south. It extends approximately 4 miles southward from the Bering Sea coast to a point approximately 1,820 feet above mean sea level (MSL) in the Kinipaghulghat Mountains (Figure 2-2).

#### **2.1.2 History**

St. Lawrence Island was established as a reindeer reserve by Executive Order on January 7, 1903. The U.S. Air Force (USAF) acquired the NE Cape site on January 16, 1952, under Public Land Order (PLO) 970, which removed 21,013 acres from the reindeer reserve. A USAF Aircraft Control and Warning Station (AC&WS) was constructed at the site during 1950 and 1951, and activated in 1952. Approximately 220 U.S. Department of Defense personnel were stationed at the site. The NE Cape facility functioned as a surveillance station, providing radar coverage for the Alaskan Air Command and, later, for the North American Air Defense Command. It was part of an Alaska-wide early warning system constructed to reduce potential vulnerability to bomber attack across the polar region.

In 1954, the USAF constructed a White Alice Communications System (WACS) station composed of four large parabolic antennas, and a building housing the electronic equipment. The WACS communication relay system used tropospheric scatter to transmit information detected by the AC&WS radar facility. In 1958, 16,213 acres were restored to the reindeer reserve under PLO 1602, while 4,800 acres remained withdrawn from the reserve.

AC&WS and WACS operations were terminated in 1969 and 1972, respectively. The majority of the military personnel were removed from the NE Cape Site by the end of 1969.

NE Cape buildings, and the majority of furnishings and equipment, were abandoned in place because of the high cost of off-island transport.

All lands were then withdrawn from the military under PLO 5187 for classification under Section 17(d)(1) of the Alaska Native Claims Settlement Act (ANCSA) of 1971, which entitled local community village corporations to select and receive specific tracts of federal land. Interim Conveyance No. 203 (June 1979) conveyed unsurveyed lands of St. Lawrence Island to Sivuqaq, Inc., and Savoonga Native Corporation (the Landowners). Excluded from transfer were surveyed land, easements, and land-use permits effective prior to conveyance. Addresses for the Landowners are as follows:

Savoonga Native Corporation	Sivuqaq, Inc.
P.O. Box 160	P.O. Box 101
Savoonga, Alaska 99769	Gambell, Alaska 99742-0101

In 1982, transfer of the WACS area to the U.S. Department of the Navy was initiated. However, this transaction was not formally completed and was superseded by ANCSA. The Navy conducted a removal action at the WACS area under its Comprehensive Long-term Environmental Action Navy Program. The action included removal of specified hazardous items and Con-HTW.

In 2000, the White Alice Station was reclassified as a Formerly Used Defense Sites (FUDS)-eligible property and, in response, the USACE included the area in the ongoing cleanup program for NE Cape.

A building demolition and debris removal (BD/DR) and Con-HTW removal action was conducted at the site during the 2000 and 2001 field seasons. The scope of work for this activity included removal of underground storage tanks, aboveground storage tanks (ASTs), drums, pole lines and wires, Con-HTW, contaminated soil, water wells, and selected buildings at the former AFS Operations (AFS Ops) Area.

BEESC conducted a BD/DR and Con-HTW removal at the site during the 2003 field season. The results of this activity were documented in the RA Report (BEESC, 2004). In 2003, work occurred on both the upper and lower mountain areas. In general, the work scope included removal and disposal of the remaining buildings, the utilidor system, a large septic tank

serving the AFS Ops Area, ASTs, drums, pole lines and wires, Con-HTW, and miscellaneous wastes. A total of over 5,000 tons of waste and debris were shipped off-island for disposal in 2003.

## **2.2 PHYSICAL ENVIRONMENT**

### **2.2.1 Climate**

St. Lawrence Island has a cool, moist, subarctic maritime climate with some continental influences during winter when much of the Bering Sea is capped with ice pack. Winds and fog are common, and precipitation occurs approximately 300 days per year as light rain, mist, or snow. Annual snowfall is approximately 80 inches per year. Total annual precipitation is about 16 inches, with more than half the annual amount falling as light rain between June and September. Summer temperatures average between 34 degrees Fahrenheit (°F) and 48 °F, with a record high of 65 °F. Winter temperatures range from -2 °F to 10 °F, with an extreme low of -30 °F. Freeze-up normally occurs in October or November, and breakup normally occurs in June.

Winds are generally from a northerly to northeasterly direction from September to June, and southwesterly in July and August. Winds exceeding 11 miles per hour (mph) occur 70 percent of the time. The average wind speed is 18 mph, but increases to an average of 23 mph during the winter months. Wind gusts in the NE Cape area have measured as high as 110 mph.

#### **2.2.1.1 Weather Conditions During Project Field Season**

Weather conditions during the July through late-August 2005 field season were typical of a summer subarctic maritime climate. Low to moderate variable winds, light precipitation or fog, and temperatures ranging from the low 40s to the upper 50s to low 60s, were typical of the daily weather in lowland and lower mountain areas. Weather conditions in the upper mountain area were more extreme, with moderate to high winds, light to moderate precipitation or thick fog (low clouds), and temperatures ranging from the low 30s to the high 50s. Periodic violent storms with high, sustained, winds in excess of 50 mph and high precipitation were encountered, as well as sporadic periods of clear, calm conditions.



Between July 5 and August 23, 2005, BEESC experienced approximately 1.5 days of curtailed fieldwork activity in the lowland/lower mountain area because of high winds. Inclement weather did not impact work on the upper mountain because crews were not dispatched to the upper mountain unless the weather was good and the weather forecast was favorable.

### **2.2.2 Topography**

The lower mountain area consists mainly of flat coastal plains that gradually turn into rolling tundra toward the base of the Kinipaghulghat Mountains. The mountains rise abruptly to a maximum elevation of more than 1,850 feet above MSL. Elevations across the work area ranged from sea level to 1,820 feet above MSL (USACE, 2002).

### **2.2.3 Geology**

St. Lawrence Island consists of isolated bedrock highlands of igneous and older sedimentary rocks, surrounded by unconsolidated surficial deposits, overlying a relatively shallow erosional bedrock surface. In the immediate vicinity of the lower mountain area, shallow unconsolidated surficial materials overlie quartz monzonitic rocks of the Kinipaghulghat Pluton. The pluton forms the mountainous work area south of the AFS Ops Area, including Kangukhsam Mountain. The Suqitughneq River drainage at the work area in the Kinipaghulghat Pluton has created an erosional valley and alluvial fan of unconsolidated sediments. Granitic bedrock materials are exposed at the coast, north of the site at Kitnagak Bay, suggesting that quartz monzonitic bedrock underlies the unconsolidated materials at a relatively shallow depth on a wave-cut erosional platform.

The unconsolidated materials exhibit an alluvial soil profile in areas that have not been disturbed by man. In general, silts near the surface overlying more sand-dominated soils at depth characterize native soil stratigraphy at the site. The silt may contain varying quantities of clay/sand/gravel and may vary from zero to 10 feet in thickness. The silt is dark brown to dark green, and sometimes exhibits a mottled texture. In some areas, the silt exhibits an aqua green or blue color. Dark brown silts are observed in cut banks. The sand at depth contains varying degrees of silt/gravel/cobbles and varies from 2 feet to more than 20 feet in thickness. These deeper, coarse-grained, materials are generally unsorted and are likely to be of

glaciofluvial origin. The depth to bedrock at the lower elevation areas of the site is unknown (USACE, 2002).

Beach material is primarily cobbles (1-inch stones) with some sand. Some areas have large boulders and rocks (USACE, 2002).

#### **2.2.4 Hydrogeology and Water Quality**

Because of the relatively remote and undeveloped nature of St. Lawrence Island, there are few data sources concerning regional groundwater. Bedrock materials south of the site (and underlying the unconsolidated deposits) are not expected to store and transmit significant quantities of groundwater. Typically, these types of granitic rocks are generally impermeable, and transmit groundwater only through localized fractures and weathered soil zones at the surface.

The primary potential aquifer at the NE Cape complex was the unconsolidated alluvial material that underlies the area. Annual rain and snowmelt runoff from the mountainous region to the south, recharge the unconsolidated materials. Based on the topography and geology of the project area, the local groundwater flow direction is anticipated to be from the mountainous region south of the site, northward to the Bering Sea.

A key factor influencing the flow of groundwater at the site is the existence of permafrost and frozen soils, which render the unconsolidated materials effectively impermeable in areas. The U.S. Geological Survey has classified St. Lawrence Island as an area of “moderately thick to thin permafrost.” Although the depth of permafrost at St. Lawrence Island is unknown, the base of permafrost on the mainland at Nome (135 air miles to the northeast) is estimated to be at a depth of 120 feet. The deeper, unconsolidated deposits at the site are probably permanently frozen, and the shallow soils represent the active layer where soils are thawed only during portions of the year. Frozen soils have a profound effect in retarding groundwater flow during most of the year.

In addition to the Bering Sea north of the NE Cape, surface water in the vicinity of the work area consists of small streams, small- to moderate-sized ponds, and marshy areas. Surface water generally flows northward from the highland area to the south. Small surface-water

bodies are common throughout the area. The primary stream drainage in the area, the Suqi River, is fed by runoff from the prominent drainage of the Kinipaghulghat Mountain valley in the lower mountain area. Several smaller tributaries feed this stream drainage as it flows north to Kitnagak Point. The smaller tributaries originate from two small, unnamed lakes (USACE, 2002).

### **2.2.5 Air Quality**

Air quality in the NE Cape area is good due to limited local sources of air emissions (e.g., boat motors, all-terrain vehicles [ATVs], and fires from island residents utilizing subsistence camps), because of the site's remoteness. Air emissions were generated from combustion engines and burning during RA work; however, daily prevailing winds rapidly dispersed the generated emissions.

## **2.3 SOCIOECONOMIC CONDITIONS**

### **2.3.1 Community Profile**

There are no permanent residents at the NE Cape Site. The community nearest the site is the village of Savoonga (population of approximately 650), located approximately 53 miles northwest of the site. The site is accessible from Savoonga by boat or ATV in the summer. There is no regularly scheduled commercial access to the project site (USACE, 2002).

### **2.3.2 Subsistence Activities**

Savoonga is a traditional Siberian Yup'ik village with a subsistence lifestyle based on walrus and whale hunting. Whale, seal, walrus, and reindeer comprise 80 percent of islanders' diets. The economy is largely based upon subsistence hunting of walrus, seal, fish, and whale, with some cash income. Berries and edible plants are also harvested. A Native subsistence camp for fishing, hunting, and berry gathering (10 to 15 dwellings) exists on Kitnagak Bay, near NE Cape, and is used primarily during the summer season (USACE, 2002).

## **2.4 PREVIOUS STUDIES AND ACTIONS**

In 1985, URS Corporation conducted an Environmental Assessment of the NE Cape facility under the Defense Environmental Restoration Program (DERP). The assessment consisted of

1 a file search and preliminary reconnaissance of the facility, which included an inventory of  
2 materials left by the military, and a collection of a limited number of soil and water samples.

3 In 1991 and 1992, Ecology and Environment, Inc. (E&E) conducted an additional site  
4 reconnaissance and interviewed personnel who had resided at the NE Cape complex when it  
5 was active. In 1993, E&E prepared a Chemical Data Acquisition Plan (CDAP) to further  
6 investigate areas of concern.

7 In 1994, Montgomery Watson Harza Americas, Inc. (MWH) performed a Phase I Remedial  
8 Investigation (RI) in accordance with the CDAP. The results of the Phase I RI chemical  
9 sampling and analysis and quality assurance/quality control (QA/QC) activities were  
10 presented in a Phase I RI report. Concurrent with the MWH RI, Northwest Enviro Service,  
11 Inc., (under contract to the USACE) removed all electrical transformers and their contents  
12 from NE Cape.

13 In 1995 and 1996, a Remedial Action Alternatives Technical Memorandum and an  
14 Engineering Evaluation/Cost Analysis were completed by MWH to evaluate and recommend  
15 future actions at NE Cape, with respect to building demolition, debris removal, and Con-  
16 HTW removal.

17 In 1996, MWH performed a Phase II RI that included collection of soil, water, and biological  
18 samples; characterization of liquids in storage tanks and subterranean structures; a  
19 radiological survey; and posting of potential asbestos hazards. Results of the 1996 Phase II  
20 RI/Feasibility Study (FS) and a Human Health and Ecological Risk Assessment were  
21 documented in a draft Phase II RI/FS report. Because of unresolved technical questions,  
22 MWH collected additional data in September 1998 before completion of the draft Phase II  
23 RI/FS.

24 In 1997, mitigation of physical hazards caused by grounded wire and cable on the tundra was  
25 conducted.

26 In 1999, MWH conducted additional sampling at selected sites to assist in assessing the  
27 impact to human health and the environment, determine the extent and transport of  
28 contaminants, and help select appropriate remedial technologies.

1 The WACS at NE Cape became eligible for cleanup under the DERP-FUDS program in 2000.  
2 The WACS was divided into four sites (Sites 31, 32, 33, and 34), which were added to the  
3 ongoing environmental investigations being performed at NE Cape. An initial RI was  
4 performed by MWH in 2001. The most recent environmental investigation was completed in  
5 2004 by Shannon & Wilson, Inc.

6 Nugget Construction, Inc. (Nugget), was awarded a contract for demolition and removal of  
7 buildings and structures in 1999. In 2000, Nugget removed approximately 60 tons of  
8 miscellaneous debris and 6,000 scattered drums. Nugget demolished approximately 50  
9 percent of the buildings in the AFS Ops Area in 2001.

10 During the 2001 and 2002 field seasons, MWH conducted sampling as part of a Phase III RI.  
11 Soil, sediment, water, fish, and plant samples were collected. Data were also evaluated in a  
12 human health and ecological risk assessment.

13 BEESC was awarded a contract to perform a removal action at the NE Cape facilities in 2002.  
14 The scope of work for this removal action included abating asbestos to facilitate demolition of  
15 buildings and structures; demolishing buildings, utilidors, and other structures; removing  
16 Con-HTW; removing ASTs and associated fuel lines; removing power and communications  
17 poles and wires; and transporting and disposing of all generated wastes off-island. The  
18 fieldwork was completed in 2003. However, because of USACE budget constraints,  
19 demolition of a tram line (towers and associated cables and wires), excavation and disposal of  
20 contaminated soil, and cleanup and disposal of pole lines and wire, as well as a significant  
21 amount of debris, was not performed under this contract.

22 Shannon & Wilson, Inc., performed soil sampling at various locations during the summer  
23 field season of 2004. Sample results from the 2004 sampling event were used to establish  
24 PCB-contaminated soil excavation sites for the 2005 field season.

### **3.0 SCOPE OF WORK FOR 2005**

#### **3.1 SCOPE OF WORK**

The contract scope of work for the RA consisted of the following activities:

- Preparing planning documents and reports;
- Mobilizing to, and demobilizing from, St. Lawrence Island;
- Providing and improving access to the work sites;
- Removing tram towers and associated cables and wires along the tram line;
- Conducting surveying;
- Collecting and analyzing soil and concrete samples;
- Removing drums, miscellaneous items, and debris;
- Removing contaminated soil and concrete;
- Removing a water collector and water line;
- Removing former power and communications poles and wires; and
- Reseeding disturbed areas.

The RA included work at the following locations on the NE Cape complex (Figure 3-1):

- Cargo Beach Road and Cargo Beach debris areas;
- Site 7 (Cargo Beach Road Landfill);
- Former AFS Ops Area;
- Site 31 (former WACS, Lower Mountain);
- Site 32 (former Lower Tram Terminal);
- Site 33 (former Upper Tram Terminal);
- Site 34 (former Upper Camp);
- Tram line connecting former Sites 32 and 33;
- Site 24 (former Receiver Building Area);
- Site 25 (former Direction Finder Area); and
- Debris areas on the tundra between Cargo Beach Road, the Airstrip, and AFS Ops areas.

Descriptions of the activities completed are described in Section 5.0. Pre- and post-removal photographs at these locations are shown on Figures 5-1 through 5-20a, which are listed on Table 5-7.

### 3.2 CONTRACT LINE ITEMS

The USACE identified the work to be conducted as a series of Base and Optional Contract Line Item Numbers (CLINs). Optional CLINs identified unit priced work performed in addition to that identified in the Base CLINs. The USACE awarded the Base and Optional CLINs to BEESC on July 9, 2004. The Base and Optional CLINs are summarized in Table 3-1.

Some variations in quantities for the base and optional unit priced CLINs occurred while performing the fieldwork. Because of efficiencies realized while performing the fieldwork, BEESC was able to reduce the Field Overhead time under CLIN 0004 from 63 days (awarded) to 50 days (actual). This made approximately \$260,000 available for additional waste and debris disposal off-island. The actual quantities of work performed are summarized in Table 3-1. As described in Section 3.3, the USACE adjusted the total contract value to reflect the actual quantities of work performed under Modification P00004.

**Table 3-1 Base and Optional CLINs**

Base CLINs	Description	Awarded	Actual
0001	Mobilization and Demobilization	1 lump sum	1 lump sum
0002	Pre-mobilization Activities	1 lump sum	1 lump sum
0003	Work Site Access	1 lump sum	1 lump sum
0004	Field Overhead	63 days	50 days
0005	Wire and Cable Removal Along Tram	105 tons	102 tons
0006	Tram and Water Line Removal	1 lump sum	1 lump sum
0007	Debris Removal Upper Mountain	45 tons	55 tons
0008	Debris Removal Gravel Pads, Roads, and Cargo Beach	405 tons	501 tons
0009	Debris Removal Lower Mountain on Tundra/Muskeg	178 tons	149 tons
0010	Mitigate PCB-contaminated Concrete	1 lump sum	1 lump sum
0011	Final Debris Cleanup	34 acres	34 acres
0012	Seeding	29 acres	29 acres
0013	Attend RAB Meetings	6 each	6 each

**Table 3-1 Base and Optional CLINs (continued)**

Optional CLINs	Description	Awarded	Actual
0014	Option Remove PCB-contaminated Soil	100 tons	100 tons
0015	Option Remove Additional PCB-contaminated Soil	100 tons	191 tons
0016	Option Additional PCB-contaminated Concrete Mitigation	3,650 square feet	3,650 square feet
0017	Chemistry and Site Visit Changes	N/A	lump sum
0018	Drum Liquids Removal	N/A	lump sum
0019	Additional Debris Removal Gravel Pads, Roads, and Cargo Beach	N/A	lump sum
0020	Additional PCB-contaminated Soil Removal	N/A	lump sum

Notes:

CLINs = Contract Line Item Number  
N/A = not awarded  
PCB = polychlorinated biphenyls  
RAB = Restoration Advisory Board

**3.3 PROJECT MODIFICATIONS**

There were four modifications to the contract, as follows:

- P00001: Deleted pre-mobilization site visit;
- P00002: Awarded additional PCB-contaminated soil removal, and the additional sampling and laboratory analyses required to document PCB-contaminated soil removal. Affected sites were Site 7, Site 31, and AFS Ops. Added a stakeholder site visit;
- P00003: Provided interim funding for disposal of drummed liquids encountered at the Site 7 Landfill;
- P00004: Adjusted contract value to reflect the actual quantities of work performed under unit priced CLINs; and
- P00005: Deleted site visit planned for stakeholders from Savoonga and Gambell, Alaska.



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## **4.0 PROJECT PLANNING, KEY PERSONNEL, AND SUBCONTRACTORS**

### **4.1 PROJECT PLANNING**

Project planning began on July 9, 2004, when BEESC received the USACE's Notice to Proceed for the project. The following sections describe the planning documents prepared for this project (Section 4.1.1) and the deviations from the planning documents (Section 4.1.2) that occurred in the field.

#### **4.1.1 Planning Documents**

The following planning documents were prepared by BEESC and approved by the USACE:

- Work/Demolition Plan (WDP);
- Sampling and Analysis Plan (SAP);
- Contractor Quality Control Plan (CQCP);
- Environmental Protection Plan (EPP);
- Stormwater Pollution Prevention Plan (SWPPP);
- Site Health and Safety Plan (SHSP); and
- Waste Management Plan.

Revision 0 (draft) planning documents were submitted to the USACE on October 11, 2004.

Revision 1 (draft final) and Revision 2 (final) plans were submitted on February 15, and June 3, 2005, respectively. Revision comments and responses are included in Appendix L. A Pre-construction Meeting was held in the northern Alaska area office on June 30, 2005.

#### **4.1.2 Deviations from the Planning Documents**

Differing site conditions, funding constraints, and contract modifications necessitated some deviation from the planning documents. Descriptions of the significant deviations from the planning documents follow:

- **Project Schedule** – The project schedule presented in the WDP and CQCP anticipated that the fieldwork and demobilization would be completed in September 2005, and the final waste disposal would be completed by late February 2006. However, the fieldwork was completed in August 2005, demobilization occurred in September 2005, and waste disposal was completed by December 2005. The schedule was subsequently modified to reflect these changes.

- **Differing Quantities Under Unit Price Items** – There were some significant variations in the quantities of work performed under CLINs 0004, 0007, 0008, and 0015. The variations in quantities were reconciled by the USACE, under Modification P00004.
- **Sampling and Analyses Performed** – Deviations from the SAP are discussed in detail in Section 6.1.1.

#### **4.1.3 Permits and Regulatory Notifications**

Federal, state, and local permits originally obtained for the 2003 removal action were utilized, where appropriate, for this project. Copies of the permits were included in the EPP and the SWPPP. The following permits and regulatory notifications applied to the RA are presented as Appendix H:

- Finding of No Significant Impact, prepared by the USACE and issued on June 19, 2002;
- U.S. Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) Storm Water General Permit for construction activities in Alaska for ground-disturbing activities greater than 5 acres in size:
  - Notice of Intent filed by BEESC in June 2005, and
  - Notice of Termination filed by BEESC in September, 2005;
- State of Alaska, Office of Management and Budget, Alaska Coastal Management Program Final Consistency Determination No. AK 0203-17AA, issued to the USACE on May 7, 2002;
- Alaska Department of Environmental Conservation Certificate of Reasonable Assurance, Reference No. ER-02-10, State of Alaska Identification No. AK0203-17AA, issued to the USACE on May 9, 2002;
- Alaska Department of Fish & Game (ADF&G) Fish Habitat Permit No. FG02-III-072, Suqitughneq River Crossing, issued to the USACE on May 20, 2002;
- ADF&G Fish Habitat Permit No. FG02-III-073, Four Stream Crossings of the Quangeghsaq River, issued to the USACE on May 20, 2002;
- Alaska Department of Natural Resources Tideland Permit No. ADL 416321 for the barge landing area, issued to the USACE on June 28, 1999;
- Right-of-entry for Environmental Assessment and Response, between the USACE, Savoonga Native Corporation, and Sivuqaq, Inc., dated July 3, 2002; and
- Temporary construction camp permits, including the Temporary Camp Permit, Fish Habitat Permit FH03-III-0158, Temporary Water Use Authorization TWUP A2003-12, Potable Water and Graywater Treatment Permit PWSID 334116, and Alaska Food Code Establishment Permit 326600009. These permits were issued to BEESC's

temporary construction camp subcontractor, Kuukpik Arctic Catering (Arctic Catering).

#### **4.1.4 Material Supply and Quarry Operating Agreement**

BEESC used approximately 320 cubic yards of borrow material from the borrow area to repair the existing roads, for backfill in the soil excavation areas, and for constructing miscellaneous berms and ramps. BEESC operated the borrow area and purchased borrow material from the Landowners under the terms set forth in the “Material Supply and Quarry Operating Agreement” established between BEESC and the Landowners on May 24, 2005, and provided in Appendix I.

#### **4.2 KEY PERSONNEL**

BEESC’s organization chart for the project is shown on Figure 4-1. The project duties assigned to key home office and field management personnel are described in the following sections.

##### **4.2.1 Key Home Office Personnel**

###### **Project Manager, Mr. Steve Johnson, P.E.**

Mr. Steve Johnson, P.E., the Project Manager (PM), was responsible for ensuring project tasks were completed on schedule and within budget, recommending and justifying project modifications, implementing methods of tracking materials and resources, coordinating work with subcontractors, and complying with normal safety procedures and regulatory requirements.

###### **Quality Control Manager, Mr. Mark Madden, P.E.**

Mr. Mark Madden, P.E., was responsible for overseeing adherence to USACE QC requirements and BEESC’s corporate Quality Assurance Management Plan. He oversaw the Contractor Quality Control Systems Manager (CQCSM).

###### **Health and Safety Manager, Mr. Clark Roberts, C.I.H.**

Mr. Clark Roberts, Certified Industrial Hygienist (C.I.H.), managed and implemented BEESC’s Safety and Health Program for this project. He worked with BEESC’s Site Safety

1 and Health Officer (SSHO) to monitor project compliance with BEESC's Corporate Safety  
2 and Health Program and the SHSP.

3 **Regulatory Compliance Manager, Ms. Patricia Curl**

4 Ms. Patricia Curl was responsible for overseeing regulatory compliance for identifying,  
5 handling, packaging, transporting, and disposing of wastes generated on the project. She  
6 worked with the Site Superintendent and the Transportation and Disposal (T&D) Coordinator  
7 to track waste shipments. She also served as the Alternate T&D Coordinator.

8 **Chemical QC Officer and Project Chemist, Ms. Michelle Turner**

9 Ms. Michelle Turner reviewed all chemical QC activities for this contract and served as  
10 BEESC's technical expert for issues related to chemistry and sampling analysis.

11 **Logistics Coordinator, Mrs. Rhonda Curtin**

12 Mrs. Rhonda Curtin worked directly for the Site Superintendent to ensure that the logistics  
13 needs of the project were met. She also coordinated BEESC's local hire efforts with the  
14 villages of Gambell and Savoonga.

15 **4.2.2 Key Field Personnel**

16 **Site Superintendent, Mr. Rollie Goebel**

17 Mr. Rollie Goebel was responsible for managing, scheduling, coordinating, and executing all  
18 of BEESC's on-site activities. He reported directly to the PM. Mr. Goebel was also  
19 responsible for overseeing the activities of BEESC's subcontractors on site.

20 **CQCSM, Mr. Henry Seipt**

21 Mr. Henry Seipt was responsible for management of Contractor Quality Control (CQC) and  
22 had the authority to act in all CQC matters for the project. He worked with the QC Manager  
23 and the PM to implement the CQCP. Mr. Seipt was BEESC's liaison with the USACE's  
24 Quality Assurance Representative (QAR). Copies of all daily QC reports are presented in  
25 Appendix A.

26 **Transportation and Disposal Coordinator/Environmental Sampler, Mr. Larry Pederson**

27 Mr. Larry Pederson was the primary point of contact for environmental and regulatory matters  
28 in the field and oversaw all activities in the field related to environmental sampling and

collecting, manifesting, transporting, and disposing of hazardous materials and wastes. Copies of the field notes related to environmental sampling and waste handling are presented as Appendix J.

#### **SSHO, Mr. Toby Peterson**

Mr. Toby Peterson was responsible for overall compliance with the requirements set forth in the SHSP. He conducted daily Toolbox Safety Meetings and addressed worker safety concerns. The SSHO was responsible for communicating safety issues and concerns to the craft crew, and reporting safety incidents to the Health and Safety Manager and the Site Superintendent.

### **4.3 SUBCONTRACTOR SUMMARY**

BEESC's major subcontractors for the project are listed in Table 4-1. Subcontractor services comprised approximately 35 percent of the total contract value.

**Table 4-1 Major Subcontractors for the White Alice Site Removal Action Project**

<b>Subcontractor</b>	<b>Assignment</b>
Kuukpik Arctic Catering, Inc.	Camp and catering
Northland Services, Inc.	Barge transportation
SGS Environmental Services, Inc.	Project laboratory for chemical analyses
Terra Surveys, LLC	Survey support and satellite communications
Waste Management, Inc.	Waste disposal
Bering Air, Inc.	Aircraft charters
Fairweather, Inc.	Infirmity and emergency medical services

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## **5.0 FIELD ACTIVITIES**

### **5.1 PROJECT LOGISTICS**

#### **5.1.1 Mobilization/Demobilization**

Mobilization began in February 2005 with the staging of specialized equipment, material, and shipping containers (Conexes) in Alaska, and in the continental U.S. Items purchased outside of Alaska were consolidated in Seattle, Washington, and transported by Northland Services, Inc. (NSI), to Anchorage, Alaska, in mid-April 2005. These items were consolidated with the heavy construction/demolition equipment, the construction camp, fuel, and other items assembled by BEESC in Anchorage. A total of approximately 1,700 tons of freight were loaded onto two NSI barges at the Port of Anchorage between May 7 and May 16, 2003. The barges departed Anchorage on May 17, and arrived at the Cargo Beach barge landing area (Figure 5-1) on June 25, 2005.

BEESC made reconnaissance flights to the NE Cape site on June 1 and 9, 2005. NSI performed an ice reconnaissance flight on June 23, 2005. The purpose of the reconnaissance flights was to assess whether the sea ice in Kitnagak Bay would allow the barges to land at Cargo Beach and to assess the condition of the airstrip. Based on the observations made during these flights, BEESC, in consultation with NSI, decided to move the barges to Kitnagak Bay and land on Cargo Beach on June 25, 2005.

Six BEESC personnel arrived on-island on June 25, 2005, to rendezvous with the barges and begin offloading (Figure 5-2). Offloading of all the freight (approximately 1,700 tons) was completed on June 26, 2005. The temporary construction camp (Section 5.1.3) was assembled and operational by July 1, 2005.

Additional BEESC and subcontractor personnel arrived on an almost daily basis during the period July 1 through July 5, 2005. By July 4, 2005, BEESC had completed improvements to the roads and setup of the following project support facilities:

- Temporary construction camp,
- Fuel farm,
- Debris staging areas, and



- Truck scale.

Removal and disposal work began on July 5, 2005. Mr. Steven A. (Sam) Mills, the USACE QAR, arrived on July 13, 2005. At that time, there were approximately 24 personnel in camp and working on the project.

Demobilization began on August 24, 2005, when a portion of the BEESC and labor pool left the island. RA field activities were completed and the temporary construction camp was shut down on August 26, 2005. As part of the demobilization activities, all of the equipment, camp units, and waste containers were staged on Cargo Beach for barge loading by August 26, 2005 (Figure 5-3).

Because of poor weather, NSI did not have marine equipment immediately available to complete demobilization in late August. As a result, all BEESC personnel left the island on August 26, 2005, after staging the equipment on Cargo Beach. Three BEESC personnel returned to the island on September 4 and 9, 2005, to attempt loading the demobilization barge. However, both attempts failed again due to poor weather. The BEESC crew returned to NE Cape on September 27, 2005, and successfully loaded the majority of the equipment and waste onto NSI barges. NSI returned on October 10, 2005, and removed the last of the equipment. All of the equipment was returned to Anchorage by November 5, 2005.

### **5.1.2 Equipment Used**

The major equipment used by BEESC and our subcontractors is presented in Table 5-1. The equipment was serviced, maintained, and repaired on site by a heavy equipment mechanic, a mechanic's helper/service oiler/tire man.

1

**Table 5-1 Major Equipment List**

No. of Units	Description	No. of Units	Description
1	Caterpillar D-8 bulldozer with winch	1	Chevrolet flatbed truck
1	Caterpillar D-8 bulldozer with ripper	1	Mechanic's truck
1	Gehl 8,000-pound forklift	1	Service/tire/lube truck
1	Grapple	1	Bailey trailer
1	Hitachi 300 Excavator with bucket/shear	1	6 x 6 Army truck
1	Hitachi 120 Excavator with bucket/thumb	4	Crew cab pickup truck
1	Caterpillar 988B Loader with bucket/forks	1	Standard pickup truck
1	Caterpillar 980C Loader with bucket/forks	1	Ford Expedition
1	Bobcat with bucket/forks	2	Chevy Blazer
1	Caterpillar 12F grader	2	Argo ATV
1	Morooka 1500	2	ATV trailer
2	Morooka 2200	4	4-Wheeler ATV
2	Kenworth 5 <sup>th</sup> wheel tractors	1	Ottawa Yard Goat tractor
2	Commander demolition trailers	1	Conex chassis
2	Argo ATVs	4	4-wheeler ATVs
1	McPherson M30F air curtain destructor	1	70-foot Cardinal truck scale with scale house
2	4 kw generator	1	40 kw generator

2

Notes:

ATV = all-terrain vehicle      kw = kilowatt

3

### **5.1.3 Temporary Construction Camp**

4

The temporary construction camp was set up on an existing gravel pad adjacent to the airstrip,

5

and was designed to house a maximum of 28 persons. It consisted of 13 individual modules

6

(approximately 8 feet wide by 20 feet long) that were set in place with heavy equipment and

7

leveled. The camp was configured so that none of the modules were less than 250 feet from

8

the centerline of the airstrip. Photographs of the temporary construction camp are shown on

9

Figure 5-4.

Camp facilities included shared sleeping quarters (two rooms per module and two persons to a room), a galley, a medical dispensary, recreation/meeting/dining rooms, showers/laundry/toilet facilities, water treatment facility, food storage facilities, two generator shacks, satellite telephone system, and offices for BEESC and USACE personnel. A Physician's Assistant was on site at all times in order to provide emergency medical services. The camp was operated between July 1 and August 25, 2005. There were, on average, 20 persons in camp daily during this period.

#### **5.1.4 Borrow Area**

Borrow material used at the project site was obtained at the borrow area located approximately 1,500 feet south of the former AFS Ops Area. As described in Section 4.1.4, BEESC entered into an agreement with the Landowners for use of the borrow area.

A total of 320 cubic yards of material was removed by BEESC over the duration of the project. The borrow material was used as "pit run." No crushing or sizing of the material was performed. No sampling or analysis of borrow material was performed. After fill removal operations were complete, BEESC graded and contoured the disturbed area in the borrow area to match the existing topography.

#### **5.1.5 Access Improvements**

##### **5.1.5.1 Existing Road System**

Approximately six miles of gravel road connected the various work areas at the site. The roads were generally in good condition, and only required grading and minor backfilling to re-establish and maintain their usability. Although BEESC had a water truck on site to suppress dust, it was not needed because of the heavy precipitation. Photographs depicting typical conditions along the road system before and after the access improvements were made are shown on Figure 5-5.

There are 11 stream crossings and five culverts along the road system. Road repair and improvements were generally minor. All stream crossing repair work was performed using the procedures set forth in the EPP. Access improvements along the road system were

accomplished between June 24 and July 4, 2003. The roads and stream crossings were not removed as part of our work.

#### **5.1.5.2 Cat Trails**

BEESC improved and used two cat trails at the site:

- The Main Cat Trail between the Lower Tram Building (Site 32) and the Upper Tram Building/AC&WS Site (Sites 33/34) located at the top of the mountain; and
- The Tram Tower Cat Trail between the Lower Tram Building (Site 32) and Tram Tower 2.

The trails were improved by BEESC in 2003, however, water runoff erosion occurred between 2003 and 2005, which required BEESC to perform maintenance on the trails in 2005. The existing conditions, along with BEESC's improvements to the cat trails, are shown and described on Figure 5-6. The Main Cat Trail begins at Trail Point (TP) 30, at an elevation of 420 feet MSL datum, and ends at Site 34 at an elevation of approximately 1,810 feet MSL. The total vertical rise along the trail is 1,390 feet. The trail is 12,928 feet (2.45 miles) long with an average grade of 10.7 percent. The maximum grade of 31 percent occurs over a distance of a few hundred feet in the vicinity of TP 12 (Figure 5-7). The trail was constructed by the USAF to support construction of the AC&WS site at the top of the mountain.

The Tram Line Cat Trail was constructed by the USAF to support the installation of Tram Towers 1 and 2. The Tram Line Cat Trail begins at TP F (420 feet MSL datum), and ends at Tram Tower 2, at an elevation of approximately 700 feet MSL. The total vertical rise along the trail is 280 feet. The Tram Line Cat Trail is 2,894 feet (0.54 mile) long with an average grade of 9.6 percent. The maximum grade of 26 percent occurs over a distance of approximately 500 feet between TPs A and B in the vicinity of Tram Tower 2 (Figure 5-8).

Cat trail improvements were made with a Caterpillar D-8 Class bulldozer and generally consisted of the following:

- Grading the trails to remove large rocks, fill ruts and washouts, and eliminate transverse slopes; and
- Grading the runouts and constructing safety berms at the ends of the runouts.

Morooka Models 2200 all-terrain tracked carriers hauled miscellaneous debris down the mountain. The Morookas hauled approximately 2 to 5 tons on each trip. The Morookas averaged approximately 3 mph on the Main Cat Trail, resulting in a round-trip travel time of about 2.5 hours. Approximately 20 round trips were required on the Main Cat Trail to complete the hauling of debris from Sites 33/34.

Section 21.I.07(b) of the USACE's *Safety and Health Requirements Manual, EM-385-1-1*, dated November 2003 (USACE, 2003), prohibits heavy equipment use on grades in excess of 10 percent. BEESC applied for a waiver to Section 21.I.07(b), on October 16, 2002. The USACE granted the waiver on April 10, 2003. The improvements to the cat trails were completed between July 5 and August 2, 2005.

To meet the requirements of the Safety Waver, BEESC provided a full-time SSHO, dedicated to cat trail Operations, who performed a daily safety inspection of the trail before field crews were allowed to use the trail; established equipment runout lanes or safe zones along the cat trail at the bottom of portions of the cat trail where grades were in excess of 30 percent; utilized track-type vehicles equipped with redundant braking systems to haul demolition debris to the beach; and inspected and tested the braking systems of the tracked vehicles daily, prior to their use on the cat trail.

#### **5.1.6 Air Support**

Security Aviation, of Anchorage, Alaska, and Bering Air, Inc. (Bering Air), of Nome, Alaska, provided air support services during the 2005 summer season. A Cessna Conquest, owned and operated by Security Aviation, was used to transport USACE personnel in order to comply with Public Law 99-661 and Department of Defense Directive 5500.53. Passenger flights for non-USACE personnel were typically made using King Air or Navajo aircraft, owned and operated by Bering Air of Nome, Alaska. A total of 22 round-trip flights were made during the 2005 summer season.

### **5.2 HEALTH AND SAFETY**

The safety and health management and communications system for NE Cape was established immediately upon the arrival of BEESC personnel on the island on June 23, 2005.

1 Regular and continual communication regarding safety issues was provided and maintained  
2 with the USACE QAR (Mr. Sam Mills), the BEESC Site Superintendent (Mr. Rollie Goebel),  
3 the SSHO (Mr. Toby Peterson), CQCSM (Mr. Henry Seipt), Health and Safety Manager (Mr.  
4 Clark Roberts), and the BEESC PM (Mr. Steve Johnson).

5 In accordance with USACE requirements, a 4-hour site safety orientation briefing was  
6 prepared and presented to all BEESC and subcontractor workers before the start of  
7 demolition, removal, and remediation operations on NE Cape. For subsequent visitors,  
8 government personnel, and specialty subcontractors, a written briefing was formulated and  
9 presented by the SSHO on an as-needed basis for the duration of the project.

10 Initial safety and health program activities involved establishing emergency exit routes and  
11 vehicle/equipment inspection routines. Part of the safety routine involved the daily Toolbox  
12 Safety Meeting, held each morning before starting work. These meetings were about project-  
13 related work to be performed each day at the NE Cape Site. Minimum safety gear for all  
14 personnel included: hard hat, reflective vest, steel-toe boots, safety glasses, and work gloves.

15 On a daily basis, the level of subcontractor involvement at NE Cape was high. BEESC and  
16 Arctic Catering closely coordinated operations in all areas. Key subcontractor involvement  
17 with all parties included complying with one SHSP that covered all workers. All workers,  
18 including subcontractor workers, attended the mandatory daily Toolbox Safety Meetings.  
19 This included subcontractor workers assigned to NE Cape for short, or even overnight,  
20 durations, such as pilots, surveyors, and laborers.

21 The BEESC SSHO performed safety and health “walkthrough” inspections each day at the  
22 site. The purpose of these inspections was to keep abreast of current site activities and  
23 conditions, look for existing or potential site safety issues/concerns, ensure appropriate use of  
24 personal protective equipment, and to reinforce safe work practices. The daily safety  
25 inspections also provided topics/information for incorporation into the daily Toolbox Safety  
26 Meeting to keep the subject matter relevant to NE Cape conditions. In particular, issues such  
27 as high wind conditions, slippery step conditions, and fire safety (due to remote site location)  
28 were duly noted and presented at the toolbox meetings. Additional dedicated site safety

1 personnel were assigned safety oversight duties during cat trail improvement operations and  
2 facility demolition activities conducted on the high slopes, and on top of the mountain.

3 In all, BEESC developed 10 Activity Hazard Analyses (AHAs) for specific tasks and  
4 operations at NE Cape. The AHAs were presented in the SHSP and identified the following:

- 5 • Activity description,
- 6 • Physical and equipment hazards associated with the activity,
- 7 • Chemical and biological hazards associated with the activity,
- 8 • Planned hazard controls for the activity,
- 9 • Necessary equipment to perform the activity,
- 10 • Equipment inspection requirements for the activity,
- 11 • Job site inspection requirements for the activity, and
- 12 • Personnel training required to perform the activity.

13 During work on site, two first aid cases were treated and logged by the physician's assistant.  
14 One involved a worker cutting a toenail too short during non-work hours, and the other was a  
15 worker getting dust in his eye. The toenail incident was treated on site by the physician's  
16 assistant, and the worker returned to quarters with no lost time. The physician's assistant used  
17 eye wash to remove the dust particle, and the worker returned to working duties. BEESC  
18 performed over 8,500 man-hours of fieldwork during this project without a lost-time or  
19 Occupational-Safety-and-Health-Administration-recordable accident. The Safety and Health  
20 Phase Out Report is included as Appendix B.

### 21 **5.3 SOIL AND CONCRETE REMOVAL**

22 PCB-contaminated soil and concrete removal procedures followed a modification to the  
23 original scope of work, dated May 5, 2005. Terra Surveys, LLC (Terra), used Global  
24 Positioning System coordinates, generated from BEESC's 2003 site survey, to locate and  
25 mark the perimeters of soil and concrete removal sites on July 5, 2005. All soils from  
26 excavations were assumed to be contaminated and were disposed of as PCB-contaminated soils.  
27 PCB-contaminated areas within concrete slabs were removed in their entirety instead of  
28 grazing and sampling, as a time-saving measure. Typically concrete slabs were underlain by  
29 soil (Buildings 1001 and 110), but in some areas were underlain by a second layer of concrete

(Buildings 108 and 109). Soil or concrete under removed concrete slabs was sampled for PCBs. BEESC began removing soil and concrete on July 6, 2005, and completed the removal on August 19, 2005.

Soil was removed and loaded using a Hitachi 120 Excavator fitted with a 4-foot-wide toothless bucket. The excavated soil was placed in open-top metal containers (sludge boxes) that had been double-lined with plastic sheeting. After sealing, the sludge boxes were transported to the truck scale, weighed, and offloaded at the waste staging area near the AFS Ops Area. Soil excavation activities, sampling protocol, and equipment decontamination procedures followed those delineated in the SAP.

An excavator fitted with a hydraulic jackhammer was used to break up concrete slabs within marked boundaries, and an excavator equipped with a bucket and a thumb was used to remove and load concrete. At Buildings 108 and 109 the top layer of concrete was removed, revealing a lower layer as part of an in-floor heating system. The removed concrete was placed in sludge boxes that had been double-lined with plastic sheeting. After sealing, the containers were transported to the truck scale, weighed, and offloaded at the waste staging area, near the AFS Ops Area. Concrete removal activities, sampling protocol, and equipment decontamination procedures followed those delineated in the SAP. Samples were collected from beneath the concrete areas, whether soil or concrete was present.

BEESC personnel performed PCB field screenings in pit bottoms and in soil directly under the sections of removed concrete. Field screening was performed on sidewalls if pit depths exceeded 1.5 foot. PCB field screening was performed using the procedures set forth in the SAP. Soil samples were collected from the bottoms of each excavation using a clean, gloved hand. If field screening results were greater than 0.5 milligrams per kilogram (mg/kg), those particular areas were further excavated until field screening results were below the 0.5 mg/kg PCB. Confirmation samples were collected from areas where field screening results were below 0.5 mg/kg and sent to SGS Environmental Services, Inc. (SGS), where they were analyzed for PCBs to confirm that they were, in fact, below the contract action level of 1.0 mg/kg PCB. Table 5-2 summarizes the physical data concerning the respective soil excavation sites.



1 BEESC personnel performed PCB field screenings in concrete directly under sections of  
2 removed concrete. PCB field screening was performed using the procedures set forth in the  
3 SAP. Concrete at sample locations was drilled with an impact hammer and the powder was  
4 collected. All field screening results were below 0.5 milligrams per kilogram (mg/kg).  
5 Discrete confirmation samples were collected from field screening locations and sent to SGS,  
6 a USACE-approved analytical laboratory, where up to four samples were combined into a  
7 single composite sample. The composite samples were analyzed for PCBs. Composite  
8 sample results of less than 0.25 mg/kg indicated that each discrete sample was below the  
9 contract action level of 1.0 mg/kg PCB. Table 5-3 summarizes the physical data concerning  
10 the respective concrete excavation sites.

11 When BEESC finished soil and concrete removal at all locations, the excavations were lined  
12 with plastic sheeting and backfilled with clean borrow material. Soil and concrete removal  
13 activities and a complete description of the soil and concrete removal activities, procedures,  
14 and results, are included in Section 6.0 of this report.

15

1

**Table 5-2 Soil Removal Areas**

<b>Location/Excavation/Site</b>	<b>PCB Contamination Remaining</b>	<b>Depth (ft. bgs.)</b>	<b>Pit Area (sq. ft.)</b>	<b>Volume (cy)</b>	<b>Weight Removed (ton)<sup>1</sup></b>
South of Former Building 1001 MEC, Excavation 31A-1, Site 31	Yes	0.5	478	8.9	12.2
South of Former Building 1001 MEC, Excavation 31A-2, Site 31	Yes	2.0-2.5	187	16.3	22.3
South of Former Building 1001 MEC, Excavation 31A-3, Site 31	Yes	2.0	209	15.5	21.2
West of Former Building 1001 MEC, Excavation 31B, Site 31	No	2.5-6.5	221	36.5	50.0
Former WAC Septic Tank Area, Excavation 31C, Site 31	No	2.0	100	9.3	12.7
South Side of Cargo Beach Road Landfill, Excavations 7A, Site 7	Yes	3.5	25	3.3	4.5
South Side of Cargo Beach Road Landfill, Excavations 7B, Site 7	No	1.0	25	1.0	1.4
South Side of Cargo Beach Road Landfill, Excavations 7C, Site 7	No	1.5	25	1.4	1.9
South Side of Cargo Beach Road Landfill, Excavations 7D, Site 7	No	2.0	25	1.9	2.6
South Side of Cargo Beach Road Landfill, Excavations 7E, Site 7	Yes	2.0	25	1.9	2.6
South Side of Cargo Beach Road Landfill, Excavations 7F, Site 7	No	1.0	25	1.0	1.4
South of Former Building 98, Excavation 14A, AFS Ops	No	3.0	25	2.8	3.8
South of Former Building 98, Excavation 14B, AFS Ops	No	1.5	44.5	2.5	3.4
North of Former Building 110, 13A-1, AFS Ops	Yes	2.5	280	25.9	35.5
North of Former Building 110, 13A-2, AFS Ops	Yes	1.5	298	16.6	22.7
North of Former Building 110, 13B-1, AFS Ops	Yes	2.5	330	30.6	41.9
North of Former Building 110, 13B-2, AFS Ops	Yes	1.5	205	11.4	15.6

**Table 5-2 Soil Removal Areas (continued)**

Location/Excavation/Site	PCB Contamination Remaining	Depth (ft. bgs.)	Pit Area (sq. ft.)	Volume (cy)	Weight Removed (ton) <sup>1</sup>
North of Former Building 110, 13C, AFS Ops	No	1.5-2.5	176	16.3	22.3
North of Former Building 110, 13D, AFS Ops	No	0.5-1.5	232	9.0	12.3
North of Former Building 110, 13E, AFS Ops	No	1.0-2.0	36	1.9	2.6
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>2,992</b>	<b>213.95</b>	<b>292.9</b>

Notes: <sup>1</sup>The values in this table are estimated amounts and the weight removed numbers are based on a calculated weight of 1.37 tons per cubic yard of soil. All amounts are rounded to one decimal place.

AFS Ops = AFS Operations      MEC = Main Electronics Center  
bgs = below ground surface      PCB = polychlorinated biphenyl  
cy = cubic yards      sq. ft. = square feet  
ft. = feet      WAC = White Alice Communications

**Table 5-3 Concrete Removal Areas**

Former Building Concrete Pad/Site	Thickness (in.)	Area Removed (sq. ft.)	Weight Removed (ton) <sup>1</sup>
Building 1001 MEC, Site 31	6-8	2,392	79
Building 108, AFS Ops	6-8	196	7
Building 109, AFS Ops	6-8	2,100	69
Building 110, AFS Ops	6-8	250	8
<b>Total</b>		<b>4,938</b>	<b>163</b>

Notes: <sup>1</sup>The weight values are estimated amounts.

AFS Ops = AFS Operations  
in. = inches  
MEC = Main Electronics Center  
sq. ft. = square feet

## **5.4 DEMOLITION AND WASTE REDUCTION METHODS AND EQUIPMENT**

### **5.4.1 Tram and Water Line Removal Methods and Equipment**

Various pieces of equipment were used to demolish the steel tram towers and their associated cables and wires, and the steel water line (Figures 5-23 and 5-24).

#### **5.4.1.1 Tram Line and Associated Cable and Wire**

Equipment used to demolish the steel tram towers and associated cable and wires, consisted of chop saws outfitted with grinder blades, two bulldozers, two tracked excavators, a loader equipped with forks, a truck with a flatbed trailer, and a cable spooler attached to a Marooka tracked vehicle.

BEESC personnel, using chop saws with grinder blades, notched the tram tower legs immediately above the concrete footings. Concrete foundations to the tram towers were left in place. Each tram tower foundation consists of four concrete piers of approximately 2 feet on each side. Please see Figure 5-9 for a photograph of typical pier and Figures 5-23 and 5-24 for the locations of the remaining concrete foundations.

The tram traction and track cables were shackled into knots on Tram Tower 7, near Site 33. The lower ends of the traction and track cables were attached to two D-8 bulldozers near Site 32. The bulldozers pulled the towers down the hillside to the cat trail near Site 32. At the bottom, a tracked excavator fitted with hydraulic shears was used to cut the towers into approximately 15-foot sections. The metal was placed in Conexes and shipped off-island as scrap metal. The cables and wires associated with the tram were spooled, using the cable spooler when possible. If the cable or wire was too thick to spool properly, it was cut into approximately 15-foot lengths. The spooled wire and cable were transported by a Marooka outfitted with a dump bed and placed into Conexes using a loader outfitted with forks. The cut sections of cable were placed by hand into Conexes. The Conexes were transported to the truck scale, weighed, and offloaded at the waste staging area near the AFS Ops area. Waste generated by the tram line removal was disposed off-island as scrap metal. Photographs of the tram tower and line removal activities are shown in Figures 5-9 and 5-10.

#### **5.4.1.2 Water Line**

Equipment used to remove the steel water line included a bulldozer, four-wheeler, and a tracked excavator with hydraulic shears. The water line was attached to the bulldozer with a double-tied tow strap and pulled down the mountain. Once at the bottom of the hill, the excavator with shears cut the pipe into Conex-sized pieces. Any small pieces along the hillside were retrieved in the same manner, however, the four-wheeler was used to tow

smaller pieces. The pipe was placed into Conex containers. The Conexes were transported to the truck scale, weighed, and offloaded at the waste staging area, near the AFS Ops Area (Figure 5-11). Waste generated by the removal of the water line was disposed of off-island as scrap metal.

#### **5.4.2 Pole Line and Debris Field Removal Methods and Equipment**

Pole lines were removed from around Building 98, on the tundra from the AFS Ops Area, from the Tundra/Muskeg Area west of Cargo Beach Road, and north of the trail to Sites 24/25. Metal towers and poles, wooden poles, and thermo-anchors from the pole lines (Figure 5-12), were cut off at ground level or removed from the ground. The wooden poles were felled using chain saws. Metal towers, metal poles, and thermo-anchors were cut using chop saws outfitted with grinding blades. The towers and poles were then loaded onto either the Morooka tracked vehicles or a Bailey trailer, using a hydraulic log grapple (Figure 5-13). Pole-line-generated waste was divided into three discrete waste streams: metal, wood, and creosote-treated wood. Steel towers/poles and creosote-treated wood were placed in Conex containers. The containers were transported to the truck scale, weighed, and offloaded at the waste staging area, near the AFS Ops Area. The steel waste was disposed of off-island as scrap metal. The creosote-treated wood was disposed of off-island as non-hazardous waste, and the wood was reduced in volume by on-island burning.

Approximately 25 miles of power and communications cable of various diameters was removed. The wire was collected using a custom-built cable reel mounted on one of the Morooka tracked vehicles (Figure 5-14). The metal cable was spooled into coils approximately 5 feet in diameter, weighing approximately 1,000 pounds each, and secured using steel banding and placed in Conex containers. The cable was disposed of off-island as scrap metal.

Debris was removed from near the Upper Tram Building (Site 33/34 and Site 32), in the vicinity of Site 31, from the Debris Staging Area (AFS Ops Area), and surrounding the AFS Ops Area, between the vicinities of Site 24/25, and the Site 7 Landfill. Approximately 26 tons of miscellaneous debris was removed from the ground surface in the area of these debris fields (Figure 5-15). The debris was collected using the Morooka tracked vehicles and four-

1 wheelers. It was then transported to the AFS Ops Area, where it was segregated into  
2 individual waste streams, including scrap metal and burnable wood. The steel waste was  
3 disposed of off-island as scrap metal and the wood was reduced in volume by on-island  
4 burning. Debris in the vicinity of Site 33/34 (Debris Field No. 1) was scattered on a near  
5 vertical slope immediately below the ridge, at an elevation between 1,600 and 1,800 feet. The  
6 slopes were very unstable and generally consisted of large boulders and some rock faces. To  
7 ensure the safety of the personnel performing the clean up, BEESC utilized a rappel/belay  
8 rock climbing method when scaling the debris field. Personnel placed the gathered debris into  
9 sleds that were lowered down the mountain and hauled up when full.

10 Debris was removed in areas near the Cargo Beach Landfill. Rolls of wire that had been  
11 placed in the landfill were exposed outside the landfill cap in some places. Because removal  
12 of entire rolls would have required excavating into the landfill, only the exposed metal was  
13 removed. Chop saws were used to cut off the wire bundles at ground level and remove all  
14 exposed wire.

15 Debris from Cargo Beach Road consisted of material that had been gathered by Nugget  
16 Construction during previous years' work. This material was moved to the waste staging  
17 area, separated into waste streams, and disposed of with all other waste materials.

#### 18 **5.4.3 Other Debris Removal**

19 Unexpected materials that were discovered during debris removal activities included a Blazer-  
20 type vehicle, drums of product, and asbestos materials. No ordnance, ammunition, weaponry,  
21 or explosive waste was discovered during debris removal activities. A Blazer-type vehicle,  
22 discovered as part of the debris removal, was transported to Anchorage and sold to an  
23 Anchorage-area shop. Section 5.9 discusses waste remaining on-site.

24 Two drums containing product were discovered at the edge of the Site 7 Landfill. One highly  
25 corroded drum was discovered containing approximately 5 to 10 gallons of liquid, which was  
26 determined to be product floating on water. Sorbents and towels were used to remove the  
27 product and water. The empty drum was filled with sorbents to remove any product adhering  
28 to sidewalls, plastic was placed over it to keep water out, and rocks were placed on the plastic  
29 to keep it in place. The other drum was completely filled with product. The product was

1 transferred to a new drum and the new drum was placed in an overpack. The contents of this  
2 drum were disposed of as stated in Table 5-4. The empty drum was cleaned with sorbents,  
3 crushed, and disposed of off-island with other scrap metal waste. The sorbents and towels  
4 were also disposed of as waste.

5 Asbestos-containing material (ACM) consisting of a boiler tank with small asbestos gasket  
6 seals and bricks, and pieces of cement asbestos board (CAB) was discovered during debris  
7 removal. ACM was removed from the metallic debris area and spread over an area of  
8 approximately 2 to 3 acres north of AFS Ops (Figure 3-1). The pieces of ACM, consisted of  
9 transite pipe and pieces of CAB approximately six inches or smaller. Any material identifiable  
10 as ACM was removed. The transite pipe and CAB were placed in two triwall boxes for  
11 transport and disposed of off site as ACM waste.

#### 12 **5.4.4 Wood Waste Reduction Methods and Equipment**

13 BEESC used a McPherson Systems, Inc., M30F air curtain destructor (destructor) to  
14 incinerate burnable wood on site. The majority of burning was done at the burn pit (Figure 5-  
15 16) located on the south side of the AFS Ops Area. The burn pit was 5 feet wide, 30 feet long,  
16 approximately 6 feet deep, and was lined with an old steel AST that was cut in half. Burning  
17 occurred inside of the old AST in order to prevent the resulting ash from contaminating the  
18 site soil. When operating, an engine-driven fan forces a high volume of air through a plenum  
19 directly above the fire, creating a rotating curtain of air. The high volume of air results in  
20 combustion temperatures in excess of 1,500 °F in the burn pit, thus accelerating the burn rate.  
21 The rotating air curtain traps smoke and small particles and recirculates them through the fire,  
22 thereby greatly reducing smoke and particulate emissions. BEESC estimates approximately  
23 360 tons of wood was burned on site using the destructor. As described in Section 6.3, the  
24 resulting ash was analyzed for various metals. Approximately 18.5 tons of ash was  
25 transported off-island and disposed of as Resource Conservation and Recovery Act waste.

#### 26 **5.5 FINAL DEBRIS CLEAN UP**

27 BEESC personnel completed final cleanup activities on August 19, 2005, prior to initiating  
28 seeding and fertilization operations. The final cleanup activities entailed a walkthrough of the  
29 AFS Ops Area, and drive-by of perimeters of the lower mountain roadways, to remove any

remaining significantly-sized surface debris or any observable protrusions deemed potentially hazardous to the public.

## 5.6 FINAL SEEDING

BEESC performed final seeding of disturbed areas on August 20 and 22, 2005, including the east side of the road leading from Site 31, Site 32, AFS Ops Area, east of Site 7 Landfill, the disturbed parts of the Tundra/Muskeg Area west of Cargo Beach Road, and Sites 24/25. Approximately 30 acres were regraded and spread with native grass and plant seed adapted to the St. Lawrence Island environment in accordance with the manufacturer's instructions. The seed mixture was proportioned by weight as follows:

Common Name	Mixture % by Weight	% Pure Live Seed
"Tundra" Glaucous Bluegrass	30	70
Norcost Bering Hairgrass	30	70
"Arctared" Red Fescue	40	70

Note: % = percent

Seed was applied at a uniform rate of 30 pounds per acre. Fertilizer was applied at a rate of 550 pounds per acre and had a nitrogen-phosphorus-potassium ratio of 20 percent nitrogen; 20 percent phosphorus; and 10 percent potassium. BEESC did not water seeded areas, however, seeding was completed during days of light precipitation. Photographs of the final seeding process are included in Figure 5-17.

## 5.7 WASTE DISPOSAL

BEESC handled, transported, and disposed of approximately 1,520 tons of waste on this project. As shown in Table 5-4, approximately 1,150 tons of waste was shipped off-island for disposal. The Transportation, Disposal, and Closure Report (Appendix C), presents the United States waste manifests, Canadian manifests, bills of loading, certificates of weight, waybills, certificates of disposal, and exception reporting for these wastes. Approximately 360 tons of burnable wood was processed on-island using the destructor and 18.5 tons of ash was transported off-island for disposal.



- 1 Figures 5-18 through 5-20 include before and after photographs of three waste removal areas
- 2 throughout NE Cape, as part of Table 5-7.

3 **Table 5-4 Waste Disposal Summary**

<b>Waste Type</b>	<b>Final Treatment/Disposal</b>	<b>Disposal Facility</b>	<b>Approximate Disposal Quantity</b>
ACM transite siding and rubber tarp	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	1.4 tons
Steel boiler with asbestos gasket and brick	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	8.2 tons
PCB-contaminated Concrete	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	162.7 tons
PCB-contaminated soil (less than 50 mg/kg)	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	277 tons
PCB-contaminated soil (greater than 50 mg/kg)	Disposed of in Subtitle C Landfill	Chemical Waste Management of the NW, Arlington, Oregon	16.5 tons
Lead ash	Disposed of in Subtitle C Landfill	Chemical Waste Management of the NW, Arlington, Oregon	18.5 tons
Tank scrap metal with PCB paint	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	16.5 tons
Creosote-treated wood	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill Center, Arlington, Oregon	13 tons
Used oil	Recycled or Incinerated	Emerald Alaska Industries, Inc.	55 gallons
Scrap metal	Recycled	Bloch Steel, Seattle Washington	657 tons

- 4 Notes:
- ACM = asbestos-containing material
  - mg/kg = milligrams per kilogram
  - PCB = polychlorinated biphenyls

## **5.8 SURVEY PROCEDURES AND RESULTS**

As described in Section 4.3, Terra provided survey services under subcontract to BEESC for this project. The pre-remedial action survey work was performed during the period July 2 through July 6, 2005. During this period, Terra:

- Found existing benchmarks and established horizontal and vertical control for the project based on the existing survey information provided by the USACE and BEESC; and
- Located soil excavation areas.

The post-remedial action survey drawings are shown on Figures 5-21 through 5-25. Survey data summary tables are presented in Appendix D.

## **5.9 WASTES REMAINING ON SITE**

The wastes currently remaining on site may be grouped under the existing CLINs as follows (figure and photographs may be found in Appendix K):

### **CLIN0008 – Debris Removal Gravel Pads, Roads, and Cargo Beach**

Additional debris remains at the Cargo Beach Road Landfill (Site 7). During the course of landfill contract item removal, BEESC uncovered two 55-gallon drums along the northwestern perimeter of the landfill that contained used oil. Field tests indicated that PCBs were not present in either drum. The contents of the two drums were removed as part of Modification 00003 to the contract. Three or four other partially buried drums were visible (25 percent or more of each drum was exposed above ground) in the immediate vicinity of the two liquid-filled drums (Appendix K, Figure 1). It appeared that several of these drums also contained liquid. It is unknown how many other drums may be discovered in a more thorough search of the area. The exposed drums, thought to contain liquid, had large rocks and boulders placed around them (to mitigate possible human tampering or targeting by a firearms shooter) and left as they were because they were not part of the 2005 Scope of Work.

Debris removal activities north and northwest of AFS Ops Area were performed to remove motor vehicle (four-wheeler, snowmachine) hazards. If possible, anything protruding above the

ground or lying on the ground was removed. Items that could not be removed were cut off so that they were no longer exposed above the ground surface.

### **CLIN 0015 – Option Remove Additional PCB-Contaminated Soil**

Additional PCB-contaminated soil at Sites 31 and 7, and the AFS Ops Area remains. As mentioned in Section 5.3 and Table 5-2, Excavations 31A-2, 31B, 31C, 14A, 14B, 7B, 7C, 7D, 13C, 13D, and 13E, were confirmed clean at the contract action level of 1.0 mg/kg. Field screening indicates that Excavation 7F does not contain PCB-contaminated soil above the contract action level, but confirmation samples were not collected. Because of weight restrictions and budget constraints, BEESC partially removed PCB-contaminated soil from Excavations 31A-1, 31A-3, 7A, 7E, 13A-1, 13A-2, 13B-1, and 13B-2. The vertical extent of contamination in partially excavated soil pits is not known because contamination remains at the pit bottoms.

Soil under concrete removed from Buildings 110 and 1001 was field-screened for PCB contamination. One field-screening sample from beneath Building 110 and one field-screening sample from soil beneath Room F of Building 1001, showed PCB contamination above 0.5 mg/kg. Approximately two buckets of soil was removed from Building 1001 with an excavator, and the remaining soil was confirmed below the contract action level. No further excavation of PCB-contaminated soil was performed at Building 110.

Table 5-5 contains the types and amounts of waste that BEESC shipped out of NE Cape during the 2003 and 2005 field seasons. The 2003 field season data is provided for comparison purposes only.

Table 5-6 presents the remedial activities and the start and completion dates for the RA Activities.

1

**Table 5-5 2003 and 2005 Waste Types and Quantities**

<b>Waste Type</b>	<b>2003</b>	<b>2005</b>	<b>Total Combined Quantities Disposed</b>
ACM Sludge	26 tons	N/A	26 tons
ACM Debris	1,161 tons	9.5 tons	1,170.5 tons
Concrete (on-island disposal)	200 cubic yards	N/A	200 cubic yards
PCB Concrete (off-island disposal)	N/A	163 tons	163 tons
Inert Waste	2,687 tons	N/A	2,687 tons
Lead Ash/Ash	41 tons	18.5 tons	59.5 tons
<b>Non-Regulated Items</b>			
Silicone-based Sealents	5-gallon drum	N/A	5-gallon drum
Used Oil Filters	55-gallon drum	N/A	55-gallon drum
Electron Tubes	30-gallon drum	N/A	30-gallon drum
Used Alkaline Batteries	10-gallon drum	N/A	10-gallon drum
Off Specification Diesel Fuel	1,025 gallons	N/A	1,025 gallons
Used Oil	N/A	55-gallon drum	55-gallon drum
Petroleum Hydrocarbon Sludge	8 cubic yards	N/A	8 cubic yards
<b>RCRA Waste</b>			
Waste Paint Related Material	55-gallon drum	N/A	55-gallon drum
Silver Alloy Contacts	5-gallon drum	N/A	5-gallon drum
Waste Methanol	20-gallon drum	N/A	20-gallon drum
Scrap Metals	822 tons	657tons	1,479 tons
Soil (less than 50 ppm PCB)	N/A	277 tons	277 tons
Soil (greater than 50 ppm PCB)	N/A	16.5 tons	16.5 tons
TSCA Oil >1000 ppm PCB	55-gallon drum	N/A	55-gallon drum
TSCA Piping	34 tons	N/A	34 tons
TSCA Ballasts	Two 55-gallon drums	N/A	Two 55-gallon drums

1 **Table 5-5 2003 and 2005 Waste Types and Quantities (continued)**

Waste Type	2003	2005	Total Combined Quantities Disposed
TSCA Dry Transformers	One pallet	N/A	One pallet
TSCA Sludge	0.3 cubic yards	N/A	0.3 cubic yards
TSCA/ACM Building Debris	280 tons	N/A	280 tons
<b>Universal Wastes</b>			
Mercury Thermostats	5-gallon drum	N/A	5-gallon drum
Flourescent Lamps	Two 4-foot fiber boxes	N/A	Two 4-foot fiber boxes
Wood	836 tons	370 tons	1,206 tons
Wood, Creosote Poles	N/A	13 tons	13 tons

2 Notes:

ACM = asbestos-containing material RCRA = Resource Conservation and Recovery Act  
PCB = polychlorinated biphenyls TSCA = Toxic Substances Control Act  
ppm = parts per million

3 **Table 5-6 Start and Completion Dates for Remedial Activities**

Activity	Feature	Date Started	Date Completed
<b>Site 31</b>			
Concrete Removal	Building 1001 MEC Concrete Pad	7/7/05	7/8/05
Soil Removal	Soil Excavations	7/14/05	8/20/05
<b>Sites 32, 33, and 34</b>			
Tram Tower Demolition	Tram Towers and Lines	7/25/05	8/10/05
Debris Cleanup	Debris Field 1	8/2/05	8/18/05
Concrete Removal	CTP	7/27/05	7/27/05
Debris Cleanup	Debris Field 2	7/27/05	8/18/05
Water Line Removal	Water Line Between Site 32 and 34	8/11/05	8/12/05
Water Collector Removal	CMT Water Collector Near Site 32	7//05	7//05
Rehabilitation of Roadway	Cat Trail to Top of Mountain	7/5/05	7/20/05

**Table 5-6 Start and Completion Dates for Remedial Activities (continued)**

Activity	Feature	Date Started	Date Completed
<b>AFS Ops</b>			
Concrete Removal	CTP-3,	7/7/05	7/22/05
Soil Removal	Soil Excavations	7/14/05	8/20/05
Wood Burning	Burn Pit	8/18/05	8/22/05
Debris Cleanup	Various Locations Throughout the AFS Ops Area	7/13/05	8/22/05
Cutting and Packing Tank Steel	Tank Steel	7/8/05	8/18/05
Borrow Area	Loading Ramp	7/19/05	7/20/05
<b>Site 7</b>			
Soil Removal	Soil Excavations	7/15/05	8/20/05
Debris Removal	Various Areas Around Site 7 and Cargo Beach Road	7/12/05	8/23/05
<b>Various Sites</b>			
Site 24 – Debris Removal	Miscellaneous Debris	7/16/05	8/19/05
Site 25 – Debris Removal	Miscellaneous Debris	7/19/05	8/19/05
<b>Pole Groups and Pole Lines</b>	Wood and Creosote Wood Pole Removal	7/11/05	8/17/05
Miscellaneous Areas	Armored Cable and Wire	7/10/05	8/12/05
Miscellaneous Areas	Miscellaneous Debris		
Miscellaneous Areas	Final Seeding	8/20/05	8/23/05

Note:

AFS Ops = AFS Operations

CTP = concrete transformer pad

MEC = Main Electronics Center

### **5.10 SUMMARY AND PRE-DEMOLITION AND POST-DEMOLITION PHOTOGRAPHS**

Pre- and post-removal photographs of the debris removal areas are shown on Figures 5-18 and 5-19. Table 5-7 summarizes where the pre- and post-removal action photographs may be found.

1           **Table 5-7 Figures Presenting Pre- and Post-removal Action Photographs**

Site	Description	Figure
32/33	Tram Tower Pre- and Post-demolition Photographs	5-9 and 5-10
All Areas	Cable from throughout NE Cape Gathered and Spooled	5-14
7	Pre- and Post-debris Removal	5-18
33/34	Debris Field Pre- and Post-debris Removal	5-19
AFS Ops	Tank Scrap Pre- and Post-removal	5-20

2    Note:  
3    AFS Ops    =    AFS Operations

## **6.0 SAMPLING AND ANALYTICAL METHODS AND RESULTS**

### **6.1 SAMPLING AND ANALYTICAL METHODS**

#### **6.1.1 Deviations from the Sampling and Analysis Plan**

Samples of environmental media and waste were obtained and analyzed per the requirements established in the SAP. As described in Section 4.1.2, some aspects of the work were performed differently than originally planned. Deviations from the SAP were:

- BEESC removed the entire contaminated concrete floor slabs rather than grazing them. As a result, no concrete samples were taken from the Site 31 Building 1001 floor slab. Instead, the soil exposed by concrete removal was sampled and analyzed for PCBs.
- When the concrete floor slab was removed at Buildings 108 and 109, a second layer of concrete and in-floor heating pipes were revealed. Consequently, concrete and powder samples were collected from the exposed surface of the underlying slab and analyzed for PCBs. However, one corner of the concrete area removed at Building 108 had no underlying slab, so only soil was collected at that location.
- Waste stream soil characterization samples were collected from the bottom and middle of the soil excavations, and not from the soil waste containers, as originally stated in the SAP. Collecting soils from these locations provided more representative results.
- Additional PCB screening was performed on samples of petroleum, oil, lubricant liquids found in a drum at the Cargo Beach Road Landfill.

#### **6.1.2 PCB Field Screening and Analytical Methods for Soil and Concrete**

Soil from excavations and under concrete slabs and concrete powder samples, were field screened as described in the SAP. Samples were screened for PCBs in the field using EnSys PCB field-screening kits, calibrated to 0.5 mg/kg of Aroclor<sup>®</sup> 1260. Soil and concrete field-screening results below 0.5 mg/kg were analyzed in the laboratory for PCBs, using EPA Method 8082 as described in the SAP. Six soil samples where field screening result were above 0.5 m/kg PCB were analyzed in the laboratory to confirm results. All samples contained PCBs ranging from 1.41 mg/kg to 17.7 mg/kg.

#### **6.1.3 Analytical Methods for Wastes**

Soil and concrete wastes shipped off-island for disposal, were sampled and analyzed per the requirements established in the SAP. As described in Section 5.7, BEESC's waste disposal



subcontractors accepted, and ultimately disposed of, the waste streams shipped off-island, on the basis of waste stream analyses.

#### **6.1.4 Primary and Quality Assurance Laboratories**

As described in Table 4-1, SGS of Anchorage, Alaska, was BEESC's primary analytical laboratory for the project and analyzed the majority of the project samples.

#### **6.1.5 Chemical Data Quality Reporting**

North Creek Analytical in Seattle, Washington, served as the USACE's QA laboratory for the project. ETHIX, of Modesto, California, has evaluated the project and QA laboratory data, and prepared the Chemical Data Quality Review (CDQR) which is included in Appendix E. Ms. Julie Sharp-Dahl, a USACE chemist, prepared the Chemical Data Quality Assurance Report (CDQAR) which is also presented in Appendix E. The laboratory data presented in the following sections and in Appendix G have been flagged in accordance with the recommendations presented in the CDQR and CDQAR upon receipt.

The CDQR and CDQAR found most of the data delivered by the analytical laboratories usable. Some data required qualification due to the results of field QA/QC, laboratory QA/QC, or failure to adhere to method criteria. These have been flagged appropriately. No data was rejected. Only one of the eight sets of QA/QC data was in disagreement: 05NECAFS22, -23, and -24. The CDQAR indicated that the USACE preferred the result reported from samples 05NECAFS24 by the QA laboratory. The laboratory data presented within this report, and in Appendix G, has been flagged in accordance with the recommendations presented in the CDQR and CDQAR.

### **6.2 SOIL AND CONCRETE CLEANUP CRITERION**

The 1.0 mg/kg cleanup criterion for PCBs in granular soil and concrete are from Title 18, Alaska Administrative Code, Section 75.341(c), Table B1, Method 2, Soil Cleanup Levels, and Table B2, Method 2, Petroleum Hydrocarbon Cleanup Levels, most restrictive criterion for the "Under 40-inch Zone", effective October 16, 2005.

### **6.3 WASTE CRITERIA**

All waste concrete was characterized as “less than 50 mg/kg PCB.” Contaminated soils were characterized by PCB levels and segregated into two categories on the basis of their PCB concentrations. PCB waste were disposed of as either “less than 50 mg/kg PCB” wastes, or “greater than or equal to 50 mg/kg PCB” wastes. Previous sample results provided by the USACE showed PCB levels of 527 mg/kg at Excavation 7A and PCB levels of just over 50 mg/kg at Building 110. The soil from these two sites was assumed to be greater than 50 mg/kg. PCB-painted tank scrap was added to this container. The soil and tank scrap were transported in Waste Package Nos. 56 and 57, and under Manifest Nos. NE034 and NE035. The tank scrap was shipped in the same container as the soil under Manifest NE034.

Ash from burning wood was analyzed for leachable metals by Toxicity Characteristic Leaching Procedure (TCLP). Results were below allowable limits for all metals with the exception of TCLP lead, which was 50.7 mg/L. The ash was disposed of off-island. Other debris, including wood, metal, wire, cement-asbestos board, and insulation from various locations, was collected and sorted. The waste was then manifested, if appropriate, and disposed of based upon the analytical results.

The drum of used oil that was removed from Site 7 was field-screened for shipping to Anchorage. Upon arrival in Anchorage, the used oil was characterized by Emerald Alaska, Inc., for disposal. No analytical testing was performed.

### **6.4 SITE 31 SOIL AND CONCRETE SAMPLE RESULTS**

Data Summary Tables and Analytical Data are presented in Appendices F and G, respectively.

#### **6.4.1 Soil Sample Results**

Soil was removed and disposed of off-island at five locations at Site 31 (see Figures 6-1 and 6-2). The following sections describe the field activities, and the field screening and analytical results.

#### **6.4.1.1 Soil Excavation Areas 31A-1, 31A-2, and 31A-3**

The field screening and laboratory analytical results for Soil Excavation Areas 31A-1, 31A-2, and 31A-3 are summarized on Figure 6-1. The field activities were performed in the following order:

1. Areas 31A-1, 31A-2, and 31A-3, were excavated to depths of 0.5, 1.5, and 2.0 feet below ground surface (bgs), respectively.
2. Soil samples 31SL001 through 31SL008 were collected from excavations 31A-1 and 31A-2 (Figure 6-1) and an EnSys field screening was performed. Surface water runoff had filled excavation 31A-3 and saturated the soil exposed in the floor of the excavation. As a result, samples from excavation 31A-3 were not field-screened using the EnSys kits.
3. Soil samples 05NEC31SL001, 003, 008, and 013, were sent to the project laboratory for analyses on a "rapid turnaround" basis. The analytical results confirmed that the field screening results for samples 05NEC31SL001, 003, and 008, were correct and that PCBs were present at concentrations above the 1.0 mg/kg cleanup criteria in excavation 31A-3 (sample 05NEC31SL013). Due to budget constraints, the USACE decided that no additional soil would be removed in excavations 31A-2 and 31A-3.
4. Excavation 31A-2 was deepened to 2.0 feet bgs, and new soil samples were obtained and field-screened at sample locations 31SL006, 007, and 008. The field screening results indicated that PCB concentrations in soil were still above 0.5 mg/kg at sample location 31SL007.
5. Excavation 31A-2 was then deepened to 2.5 feet bgs in the vicinity of 31SL007 and sampled again. Field screening results indicated PCB concentrations were less than 0.5 mg/kg at location 31SL007.
6. Because excavation 31A-2 was deeper than 1.5 feet, a sidewall soil sample 05NEC31SL31A-2W was obtained from the west sidewall of the excavation, at a depth of 2.5 feet bgs. Confirmation samples 05NEC31SL006, 007, and 008Re were also obtained at depths of 2.0, 2.5, and 2.0 feet bgs, respectively. As shown on Figure 6-1, analytical results indicated that soil in the bottom of excavation 31A-2 at sample location 05NEC31SL006, still contains PCBs at concentrations greater than 1.0 mg/kg. PCB concentrations in all of the other confirmation soil samples from this excavation were less than 1.0 mg/kg.

#### **6.4.1.2 Soil Excavation Area 31B**

The field screening and laboratory analytical results for Soil Excavation Area 31B are summarized on Figure 6-1. The field activities were performed in the following order:

1. Area 31B was excavated to a depth of 0.5 feet bgs.

2. Soil samples 31SL015 through 31SL017 were collected and an EnSys field screening was performed. As shown on Figure 6-1, the field screening results indicated that PCB concentrations in soil were above 0.5 mg/kg at all three sample locations.
3. Soil samples from locations 31SL015 and 016 were sent to the project laboratory for analyses. The analytical results confirmed that PCB concentrations in the samples were above the 0.5 mg/kg screening level and the 1.0 mg/kg cleanup criteria.
4. Area 31B was then excavated to a depth of 2.5 feet bgs and resampled. Field screening results indicated that PCB concentrations at sample locations 31SL015 and 016 were still above the 0.5 mg/kg screening level. The excavation was then deepened to 4.5 feet bgs at these two locations.
5. Field screening results indicated that soil at sample location 31SL015 remained above the 0.5 mg/kg screening level. Area 31B was then deepened to 6.5 feet bgs in the immediate vicinity of sample location 31SL015 and, resampled. Field screening results indicated the PCB concentration in soil at this location was finally below the 0.5 mg/kg screening level.
6. Because excavation 31B was deeper than 1.5 feet, sidewall soil samples 05NEC31SL31BN, BE, and BW, were obtained from the north, east, and west sidewalls, respectively, of the excavation at a depth of 2.5 feet bgs. Laboratory analytical data indicated that PCB concentrations in confirmation soil samples from this excavation were all less than the 1.0 mg/kg cleanup criteria.

#### **6.4.1.3 Soil Excavation Area 31 C**

Excavation Area 31 C (Figure 6-2) was initially excavated to a depth of 0.5 feet bgs, and sampled at three locations. EnSys field screening indicated PCB concentrations above 0.5 mg/kg throughout, so the excavation was deepened to 1.5 feet bgs. Subsequent field screening indicated PCB concentrations were still above 0.5 mg/kg, so the excavation was deepened to 2.0 feet bgs. At 2.0 feet bgs, EnSys field screening indicated that PCB levels were below 0.5 mg/kg. Two samples (05NEC31SL19 and 20) were sent to the analytical laboratory. As shown on Figure 6-2, the analytical results were well below the cleanup criterion of 1.0 mg/kg PCB. Consequently, no further excavation was performed at Area 31 C.

#### **6.4.2 Concrete Sample Results**

Concrete powder sampling performed in 2003 confirmed that PCBs were present at concentrations above the cleanup criterion in the floor slab of the former Building 1001 Main Electronics Center (MEC). As a result, BEESC demolished and disposed of approximately 1,300 square feet of the slab as described in Section 5.3. The portions of the slab that were

demolished and disposed of are shown on Figure 6-3. Per the requirements set forth in the SAP, soil samples were taken to determine if PCBs were present in the soil beneath the floor slab. Soil samples were obtained at the locations shown on Figure 6-3. Eight EnSys field screenings were performed in Room A, 3 in rooms C and E, 9 in Room F, and 3 in Room G. All field screening results indicated that PCB concentrations were below 0.5 mg/kg. Results of confirmation samples sent to the analytical laboratory showed that one location (05NEC31SL109) had PCB concentrations in excess of 1.0 mg/kg.

As a result, soil in this area was excavated to a depth of 0.5 feet bgs and resampled. Analytical results for sample 05NEC31SL109Re indicated a PCB concentration of 0.145 mg/kg, well below the 1.0 mg/kg action level. The results of the sampling and analytical work performed in 2003 and 2005 indicate that no concrete or soil remaining at, or below the former Building 1001 MEC floor slab, contains PCB at concentrations in excess of the 1.0 mg/kg action level.

#### **6.5 SITE 7 SOIL SAMPLE RESULTS**

Six excavations, measuring 5 feet by 5 feet, were performed at Site 7 (Figures 6-4 and 6-5). Areas 7A through 7F were initially excavated to depths ranging between 1 foot and 2.5 feet bgs. The first round of EnSys field screening indicated that soil in Excavations 7A and 7E contained PCB at concentrations above 0.5 mg/kg. Excavations 7A and 7E were then deepened to 3.5 feet and 2.0 feet bgs, respectively, and resampled. EnSys field-screening results indicated that the PCB concentrations in soil remained above 0.5 mg/kg. No more soil was removed from these areas because landfill debris was encountered in the floor of both excavations.

Analytical samples 05NEC07SL032, 05NEC07SL038, and 05NEC07SL042 from Excavations 7B, 7C, and 7D, respectively, had PCB concentrations below the 1.0 mg/kg action level. No confirmation samples from excavation 7F were analyzed, however, results from three field-screening samples were below 0.5 mg/kg PCB. All of the Site 7 excavations were lined with plastic sheeting, and then backfilled with clean fill. Based on the field screening results and observations made in the field, the landfill debris and soil encountered in

the floor of Excavations 7A and 7E contain PCB at concentrations above the 1.0 mg/kg action level.

## **6.6 SITE 98 SOIL SAMPLE RESULTS**

Excavations 14A and 14B were completed adjacent to the floor slab at the former Building 98 (Figure 6-6). Both areas were initially excavated to a depth of 0.5 feet bgs. EnSys field screening results indicated that soil in both excavations at a depth of 0.5 feet bgs contained PCB at concentrations above 0.5 mg/kg. The excavations were then deepened in increments of 0.5 feet, and the soil was field-screened using the EnSys PCB Field-screening Kit. Field screening results indicated that soil PCB concentrations were less than 0.5 mg/kg at depths of 3.0 feet bgs in Excavation 14A, and 1.5 feet bgs in Excavation 14B. Analytical results for samples 05NECAFSL022 (Excavation 14A) and 05NECAFSL026 (Excavation 14B) confirmed that PCB concentrations in both excavations were less than the 1.0 mg/kg action level. After the laboratory results were received, both excavations were lined with plastic sheeting and backfilled with clean borrow material.

## **6.7 AFS OPS SOIL AND CONCRETE SAMPLE RESULT**

### **6.7.1 Soil Results**

#### **6.7.1.1 Soil Excavation Areas 13A-1, 13A-2, 13B-1, and 13B-2**

As shown on Figure 6-7, Excavations 13A-1, 13A-2, 13B-1 and 13B-2, lie immediately west of the former Building 110 floor slab. BEESC demolished CTP 13-1 to provide access to the underlying soil in this area. Concrete rubble from CTP 13-1 was disposed of off-island as described in Section 5.3. Areas 13A-2 and 13B-2 were initially excavated to a depth of 1.5 feet bgs, and Areas 13A-1 and 13B-1 were initially excavated to a depth of 2.5 feet bgs. Field screening results (Figure 6-7) indicated that soils in these excavations contained PCBs at concentration in excess of 0.5 mg/kg. However, budget constraints prevented additional excavation in these areas. Analytical results for samples 05NECAFSL062 and 05NECAFSL064 from Excavation 13B-2, confirmed that PCB concentrations in soil in these excavations were greater than the 1.0 mg/kg action level. All of the excavations were lined with plastic sheeting and backfilled with clean borrow material.

**6.7.1.2 Soil Excavation Areas 13C, 13D, and 13E**

Excavations 13C, 13D, and 13E lie immediately north of the former Building 110 floor slab (Figure 6-8). Area 13C was initially excavated to a depth of 1.5 feet bgs. EnSys field screening results indicated that PCB concentrations in soil at 1.5 feet bgs were greater than 0.5 mg/kg, and the excavation was deepened to 2.5 feet bgs. Field screening results at a depth of 2.5 feet bgs indicated that PCB concentrations were below 0.5 mg/kg. Analytical results from sample 05NECAFSL061Re confirmed that PCB concentrations in soil were below the 1.0 mg/kg action level. No further excavation or sampling was performed at Excavation 13C.

Area 13D was initially excavated to a depth of 0.5 feet bgs. EnSys field screening indicated PCB levels greater than 0.5 mg/kg, and the excavation was deepened to between 1.5 feet and 2.0 feet bgs. The second round of EnSys field screening results indicated that PCB concentrations were below 0.5 mg/kg. Analytical results from sample 05NECAFSL056Re confirmed that PCB concentrations in soil were below the 1.0 mg/kg action level. No further excavation or sampling was performed at Excavation 13D.

Area 13E was initially excavated to a depth of 1.0 feet bgs. EnSys field screening at 1.0 feet bgs indicated PCB levels less than 0.5 mg/kg for two of these samples (AFSL051 and 053). Sample AFSL052 results indicated PCB concentrations greater than 0.5 mg/kg, and this portion of the excavation was deepened to 2.0 feet bgs. Field screening results from a sample at 2.0 feet bgs indicated PCB concentrations in soil were below 0.5 mg/kg. Analytical results from sample 05NECAFSL053 confirmed that PCB concentrations in soil were below the 1.0 mg/kg action level. No further excavation or sampling was performed at Excavation 13 E.

**6.7.1.3 Soil Beneath CTP 13-3**

The location of CTP 13-3 is shown on Figure 6-9. BEESC demolished and disposed approximately 25 square feet of the slab as described Section 5.3. The portions of the slab that were demolished and disposed are shown on Figure 6-9. Per the requirements set forth in the SAP, field-screening samples were taken of the underlying soil to determine if PCBs were present in the soil beneath the floor slab. Three soil samples were obtained at the locations shown on Figure 6-9, and screened using the EnSys PCB Field-screening Kit. The screening

results from sample AFSL113 indicated that PCBs were present at a concentration in excess of 0.5 mg/kg. Due to budget constraints, the soil underlying CTP 13-3 was not excavated.

## **6.7.2 Concrete Results**

### **6.7.2.1 Former Building 108 Floor Slab**

Concrete powder sampling performed in 2003 confirmed that PCBs were present at concentrations above the cleanup criterion in the concrete comprising the northwest corner of the floor slab at the former Building 108 (Figure 6-10). As a result, BEESC demolished and disposed of a portion of the floor slab, an approximately 14- by 14-foot square (196 square feet). The floor slab at the former Building 108 was constructed in two layers. The upper layer was separated from the lower layer by a pipe grid that probably provided in-slab heat to the building. BEESC demolished the upper layer of the slab, exposing the piping and the lower layer. The piping was removed and recycled as scrap metal off-island. Concrete powder samples were taken of the lower layer, and analyzed to determine if PCBs were present in the lower layer of the floor slab. Eight concrete powder samples were collected at the locations shown on Figure 6-10, and screened using the EnSys PCB Field-screening Kit. The screening results indicated that all of the samples contained PCB at concentrations below the 0.5 mg/kg screening level. The samples were then shipped to the analytical laboratory, where composite samples were prepared and analyzed per the requirements of the SAP. Analytical results for samples 05NECAFCC221, 231, and 241, confirmed that PCB concentrations in the concrete comprising the lower layer of the floor slab, were less than the 1.0 mg/kg action level.

As shown on Figure 6-10, soil was exposed in the extreme northwest corner of the former Building 108 floor slab. Per the requirements set forth in the SAP, one soil sample was obtained at the location shown on Figure 6-10, and analyzed to determine if PCBs were present in the soil beneath the floor slab. The field screening and analytical results indicated that PCBs were not present in the soil beneath this corner of the former Building 108 floor slab. The area where the concrete was removed is generally at grade with the surrounding soil. No fill was placed in areas where concrete was removed.



**6.7.2.2 Former Building 109 Floor Slab**

Concrete powder sampling performed in 2003 confirmed that PCBs were present at concentrations above the cleanup criterion in the floor slab of the former Building 109. As a result, BEESC demolished and disposed of a portion of the floor slab approximately 30 feet by 70 feet (2,100 square feet) as described Section 5.3. The portions of the slab that were demolished and disposed are shown on Figure 6-11. The floor slabs at former Building 109 was constructed in two layers as described above. BEESC demolished the upper layer of the slab, exposing the piping and the lower layer. The piping was removed and recycled as scrap metal off-island. Concrete powder samples were taken of the lower layer, and analyzed to determine if PCBs were present in the lower layer of the floor slab. Eighty-four concrete powder samples were collected at the locations shown on Figure 6-11, and screened using the EnSys PCB Field-screening Kit. The screening results indicated that all of the samples contained PCBs at concentrations below the 0.5 mg/kg screening level. The samples were then shipped to the analytical laboratory, where composite samples were prepared and analyzed per the requirements of the SAP. Analytical results for 21 composite samples (see Figure 6-11) confirmed that PCB concentrations in the concrete comprising the lower layer of the floor slab were less than the 1.0 mg/kg action level.

## 7.0 REFERENCES

- Alaska Administrative Code, 2003 (August 8). Title 18, Section 75.341(c), Table B1, Method 2, Soil Cleanup Levels, and Table B2, Method 2, Petroleum Hydrocarbon Cleanup Levels.
- Alaska Department of Environmental Conservation. 2003 (November 24). Technical Memorandum 01-007, Additional Cleanup Values.
- Bristol Environmental & Engineering Services Corporation (BEESC), 2004 (December). Removal Action Report (Revision 2). Prepared for U.S. Army Corps of Engineers (USACE), Northeast Cape, St. Lawrence Island, Alaska.
- Montgomery Watson Harza Americas, Inc., 2003 (May). Technical Memorandum – Background Determination for Risk Assessment, Derivation of Ambient Concentrations for Abiotic Media Associated with the Northeast Cape, St. Lawrence Island, Alaska. Final.
- U.S. Army Corps of Engineers (USACE), 2003 (November). *Safety and Health Requirements Manual*. Engineer Manual (EM) 385-1-1.
- USACE, 2002 (March). Engineering Evaluation and Cost Analysis, Environmental Assessment and Finding of No Significant Impact, White Alice Site Removal Action, Northeast Cape, St. Lawrence Island, Alaska.

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## FIGURES

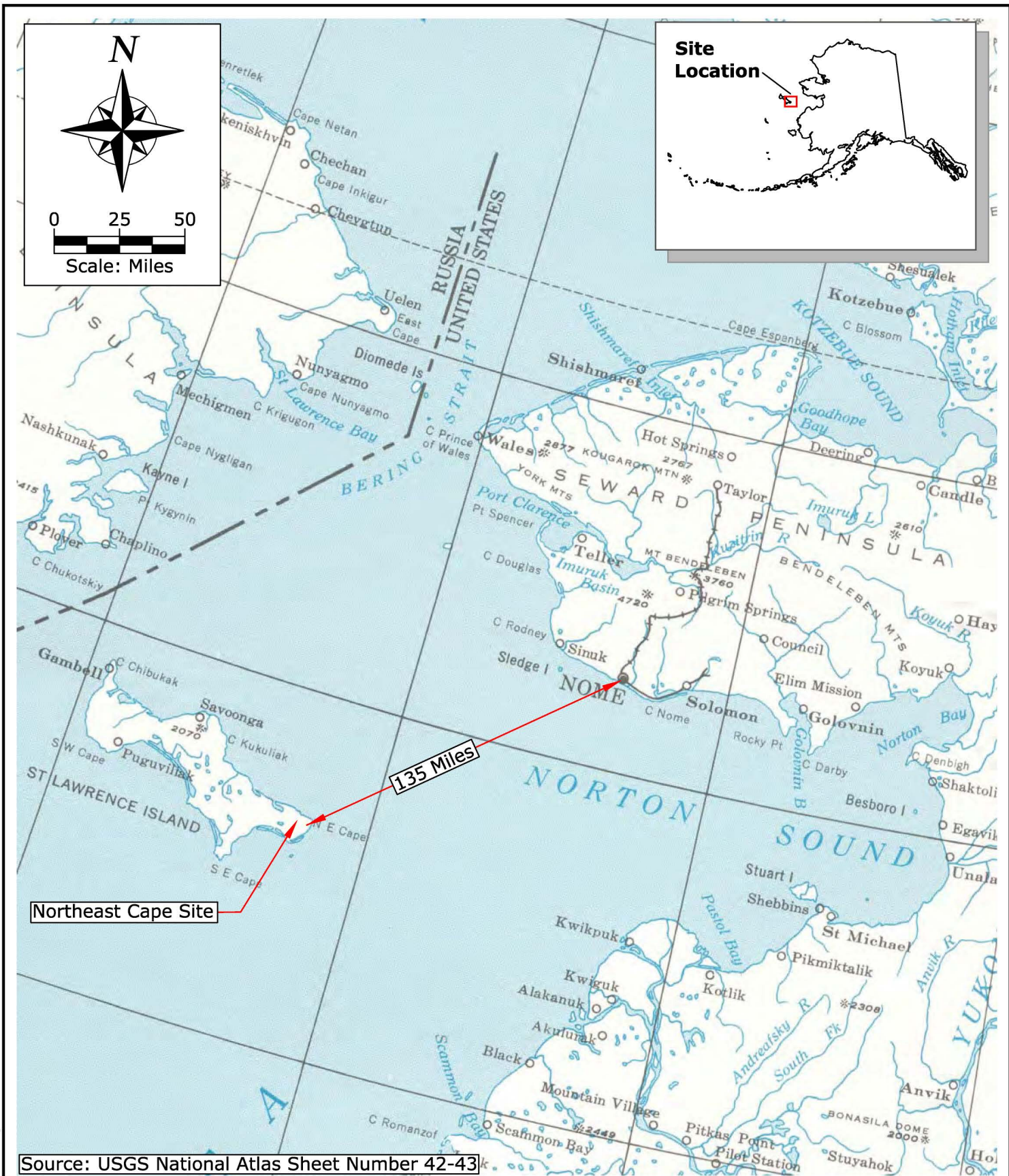







FIGURE 2-2  
 WHITE ALICE SITE REMOVAL ACTION  
 NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
 LOCATION MAP

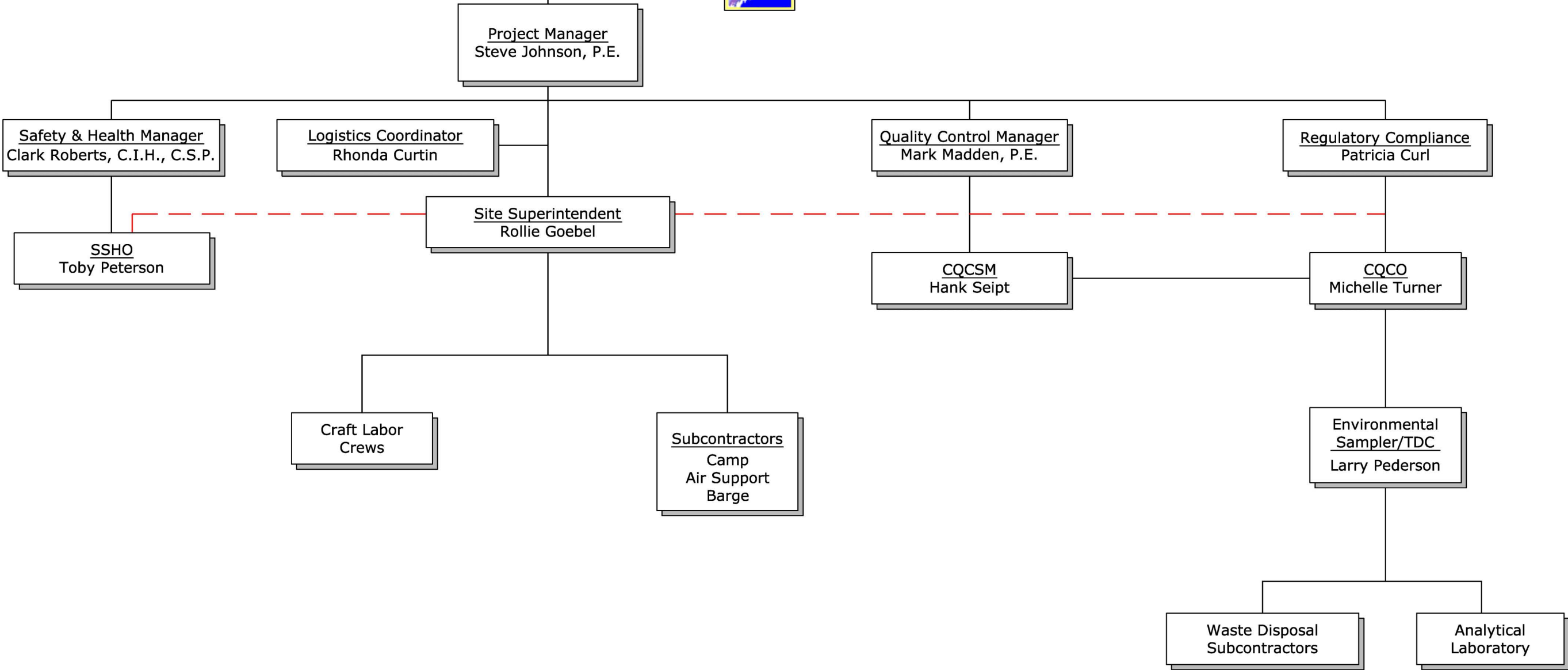
 <b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM:	DATE	09/22/05	SHEET
	N/A	DWN.	MTG	<b>2</b>
	PROJECTION:	SCALE	SHOWN	of
	N/A	CONTRACT NO:	DACA85-02-C-0011	2
		APPRVD.	SJ	







U. S. Army Corps of Engineers,  
Alaska District



— Direct Reporting  
- - - Lines of Communication

SSHO: Site Safety & Health Officer  
CQCSM: Contractor Quality Control System Manager  
TDC: Transportation & Disposal Coordinator  
CQCO: Chemical Quality Control Officer

FIGURE 4-1  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
PROJECT ORGANIZATION

**Bristol**  
ENVIRONMENTAL & ENGINEERING  
SERVICES CORPORATION  
Phone (907) 563-0013 Fax (907) 563-6713  
Project No. 25037

DATUM:  
N/A  
PROJECTION:  
N/A  
CONTRACT NO:  
DACA85-02-C-0011

DATE 09/22/05  
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### Figure 5-1 Mobilization Activities



Photograph 1. Unloading heavy equipment during mobilization activities. Photo facing northeast.



Photograph 2. Landing craft unloaded and ready to depart after mobilization activities. Photo facing north.

### Figure 5-2 Barge Offloading Activities



Photograph 3. Temporary construction camp being set up during mobilization activities. Photo facing northeast.



Photograph 4. Remaining camp trailers on cargo beach during mobilization activities. Photo facing northeast.

**Figure 5-3 Demobilization Activities**



Photograph 5. A mobile demolition trailer is being placed on a shipping flat as part of demobilization activities. Photo facing north.



Photograph 6. Removal of the truck/waste scale during demobilization activities. Photo facing southwest.

**Figure 5-4 Temporary Construction Camp**



Photograph 7. NE Cape temporary campsite. Note the camp is parallel to the NE Cape runway, behind the camp in this picture. Photo facing north.



Photograph 8. Fully operational temporary construction camp. Note the weather station located on top of the trailer to the right. Photo facing southwest.



**Figure 5-5 Existing Road System Improvements**



Photograph 9. Existing Cargo Beach road conditions during removal activities. Photo taken from Site 7 facing north.



Photograph 10. BEESC repaired existing roadways throughout NE Cape including Cargo Beach road seen here. Note that the vehicles and people in the upper left background are at Site 7. Photo facing southwest.

**Figure 5-6 Existing Cat Trail Improvements**



Photograph 11. Existing cat trail between the lower and upper mountain areas. Note the large washout area. Photo facing northeast.



Photograph 12. The same Cat Trail area between the lower and upper mountain after BEESC's trail improvements. Photo facing northeast.



**Figure 5-7 Steep Grades Along Cat Trails**



Photograph 13. Cat trails traversed steep terrain using a series of sharp switchbacks. Photo facing northeast.



Photograph 14. A steeper area along the mountain cat trail with a sharp switchback. Photo facing northwest.

**Figure 5-8 Steepest Grades Encountered During Tram Removal**



Photograph 15. A steeper area along the mountain with terrain in excess of 100 percent grade. Photo facing southwest.



Photograph 16. Removing debris below the steepest portion of the mountain complex area. Photo facing west.



**Figure 5-9 Tram Tower and Cable Demolition**



Photograph 17. The existing tram system connecting the lower and upper mountain areas. Photo facing southwest.



Photograph 18. BEESC crews used chop saws to notch the tram towers above their concrete footings. Photo facing north.

**Figure 5-10 Tram Tower and Cable Demolition**



Photograph 19. After the tram tower bases were notched, two D-8 Cats were attached to the existing tram cables to pull all the tram towers down the Kinipaghulghat Mountain slopes at one time. Photo facing northeast.



Photograph 20. The tram line area, after BEESC removed all the towers and debris from the mountain side. Photo facing southwest.



### Figure 5-11 Water Line Removal



Photograph 21. D-8 Cat pulling the upper mountain complex water line down to the base of the mountain for cutting and disposal. Photo facing southwest.



Photograph 22. Excavator outfitted with hydraulic shears was used to cut the water line. Note the BEESC crew in the foreground, placing the cut pieces of piping into a Conex. Photo facing north.

**Figure 5-12 Pole Line and Debris Field Removal Methods and Equipment**



Photograph 23. Chain saws were used to cut existing wooden poles down.



Photograph 24. Chop saws with grinder blades were used to cut existing metal poles.



**Figure 5-13 Pole Line and Debris Field Removal Methods and Equipment**



Photograph 25. A hydraulic log grapple was used to pull wooden poles out of the ground and pick up fallen poles. Note the wooden pole in the back of the Morooka track vehicle. Photo facing northeast.



Photograph 26. The log grapple was also used to place various metal towers and poles into Morooka tracked vehicles for transport to the scrap metal staging areas.

**Figure 5-14 Pole Line and Debris Field Removal Methods and Equipment**



Photograph 27. Various cables and wires were spooled with a custom spooler mounted on a Morooka tracked vehicle. Note the White Alice Communications Towers footing in the background. Photo facing north.



Photograph 28. The spooled cable was placed into Conexes for disposal.



**Figure 5-15 Pole Line and Debris Field Removal Methods and Equipment**



Photograph 29. Various forms of debris were removed from NE Cape, the majority being scrap wood and metal. Photo facing southeast.



Photograph 30. A belay system was used to remove various forms for wood and metal debris from steep slopes. Photo facing north.

**Figure 5-16 Burn Pit Used to Reduce Wood Waste**



Photograph 31. Two quarters of an old AST was placed inside the 5 by 30-foot burn pit to minimize ash amounts left in the burn pit and to make removing the ash more efficient. Photo facing west.



Photograph 32. The burn pit in action. Note that very little, if any, smoke is coming out of the burn pit as a result of the air curtain blower to the left of the pit. Photo facing southwest.



**Figure 5-17 Final Seeding of Disturbed Areas**



Photograph 33. Fertilizer being loaded into a spreader mounted on an ATV as part of the final seeding process around the AFS Ops Area.



Photograph 34. Applying fertilizer and seeding was performed throughout Site 31, Site 7, and the AFS Ops Area. Photo facing west.

**Figure 5-18 Site 7 Pre- and Post-removal Action**



Photograph 35. Debris along the south side of Cargo Beach Road in Site 7. Photo facing north.



Photograph 36. After BEESC removed debris from the area previously mentioned. Note that although a lot of debris was removed, some still remains. Photo facing north.



**Figure 5-19 Debris Field 1 Pre- and Post-removal Action**



Photograph 37. Various forms of debris were removed from the slopes below Sites 33 and 34 (Upper Mountain Complex). Note the small pieces of debris scattered throughout the site. Photo facing southeast.



Photograph 38. The same site as previously mentioned after debris removal. Photo facing southeast.

**Figure 5-20 AFS Ops Scrap Metal Pre- and Post-demolition**



Photograph 39. Old AST scrap metal piles located along the north side of the AFS Ops Area. Photo facing west.



Photograph 40. BEESC nearing completion of tank scrap metal removal in the previously mentioned area. Note that all the tank scrap was removed and shipped off-island from this area. Photo facing north.

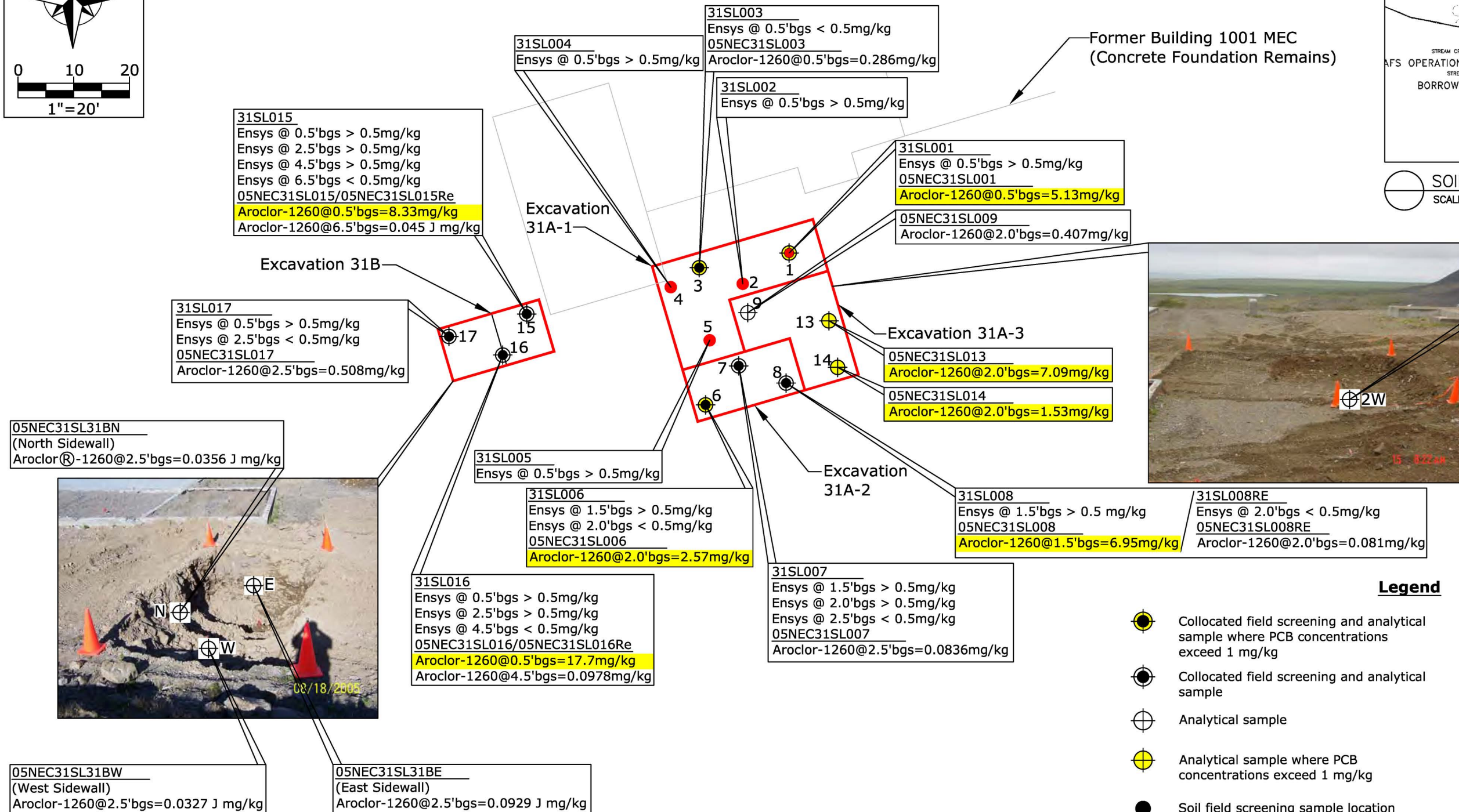
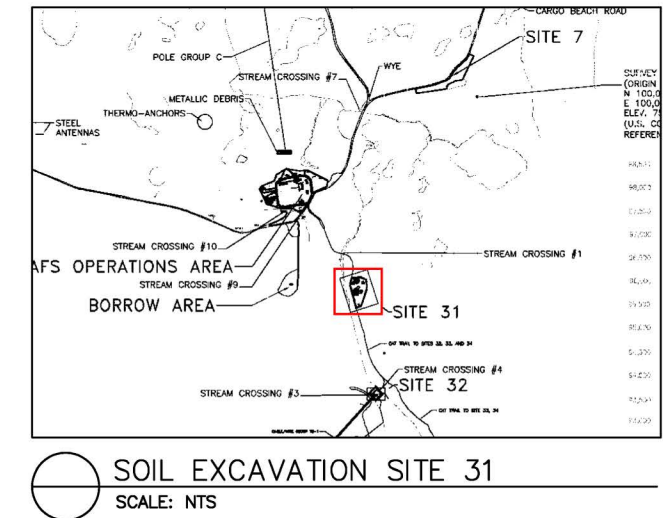
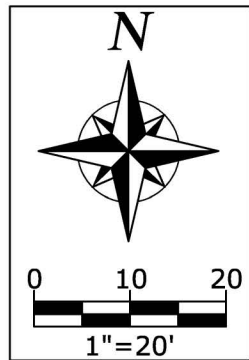
**Figure 5-20a AFS Ops Post-Demolition**



Photograph 41. AFS Ops Area after removal of tank scrap metal. Photo facing north.



Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS DEBRIS REMOVAL\DWG\25037 RA\_FIGS\THRU11.DWG - Layout: FIG-6-1  
User: MGARCIA Mar 24, 2006 - 6:57am Xrefs: - Images: D1.CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-1B.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG



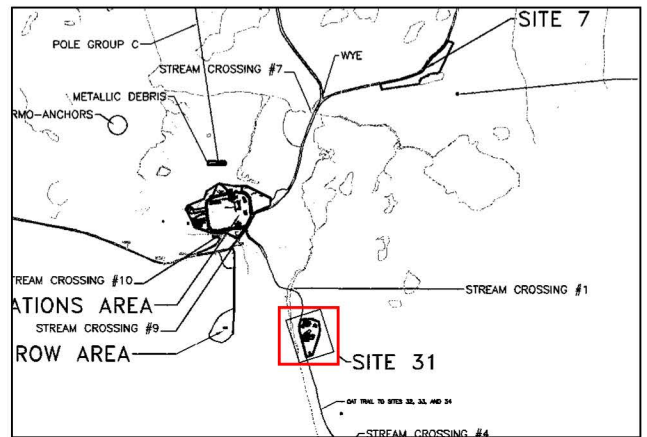
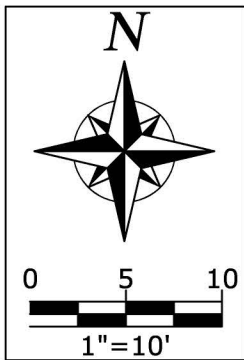
### Legend

	Collocated field screening and analytical sample where PCB concentrations exceed 1 mg/kg	31SL005	= Location ID for field screen sample only
	Collocated field screening and analytical sample	05NEC31SL006	= Sample number for laboratory analysis
	Analytical sample	bgs	= below ground surface
	Analytical sample where PCB concentrations exceed 1 mg/kg	mg/kg	= milligrams per kilogram
	Soil field screening sample location	N	= North Sidewall sample
	Soil field screening sample location where Ensyls result exceeds 0.5mg/kg	E	= East Sidewall sample
		W	= West Sidewall sample
		>	= greater than
		<	= less than
		J	= The associated value is an estimated quantity
		'	= foot/feet
		PCB	= polychlorinated biphenyls

FIGURE 6-1  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AREAS 31A AND 31B SAMPLE  
LOCATIONS AND RESULTS

<b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM: N/A	DATE 09/22/05
	PROJECTION: N/A	DWN. MTG
	CONTRACT NO: DACA85-02-C-0011	SCALE 1"=20'
		APPRVD. SAJ

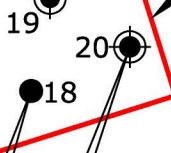
Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS\_DEBRIS\_REMOVAL\DWG\25037\_RA\_FIGS3THRU11.DWG - Layout: FIG6-2  
User: MGARCIA Mar 24, 2006 - 6:58am Xrefs: - Images: D1\CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG



Former WAC Antennae  
(Concrete foundation remains)

31SL019  
Ensys @ 0.5'bgs > 0.5mg/kg  
Ensys @ 1.5'bgs > 0.5mg/kg  
Ensys @ 2.0'bgs < 0.5mg/kg  
05NEC31SL019  
Aroclor®-1260@2.0'bgs=ND(0.0576mg/kg)

Excavation 31C



31SL018  
Ensys @ 0.5'bgs > 0.5mg/kg  
Ensys @ 1.5'bgs > 0.5mg/kg  
Ensys @ 2.0'bgs < 0.5mg/kg

31SL020  
Ensys @ 0.5'bgs > 0.5mg/kg  
Ensys @ 1.5'bgs > 0.5mg/kg  
Ensys @ 2.0'bgs < 0.5mg/kg  
05NEC31SL020  
Aroclor-1260@2.0'bgs=0.0589mg/kg

### Legend



Collocated field screening and analytical sample



Soil field screening sample location

31SL018 = Location ID for field screen sample only

05NEC31SL006 = Sample number for laboratory analysis

bgs = below ground surface

mg/kg = milligrams per kilogram

> = greater than

< = less than

ND = Not detected at or above concentration shown

' = foot/feet

FIGURE 6-2  
WHITE ALICE SITE REMOVAL ACTION  
NOTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AREA 31C  
SAMPLE LOCATIONS AND RESULTS



**Bristol**

ENVIRONMENTAL & ENGINEERING  
SERVICES CORPORATION

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Project No. 25037

DATUM:  
N/A

PROJECTION:  
N/A

CONTRACT NO:  
DACA85-02-C-0011

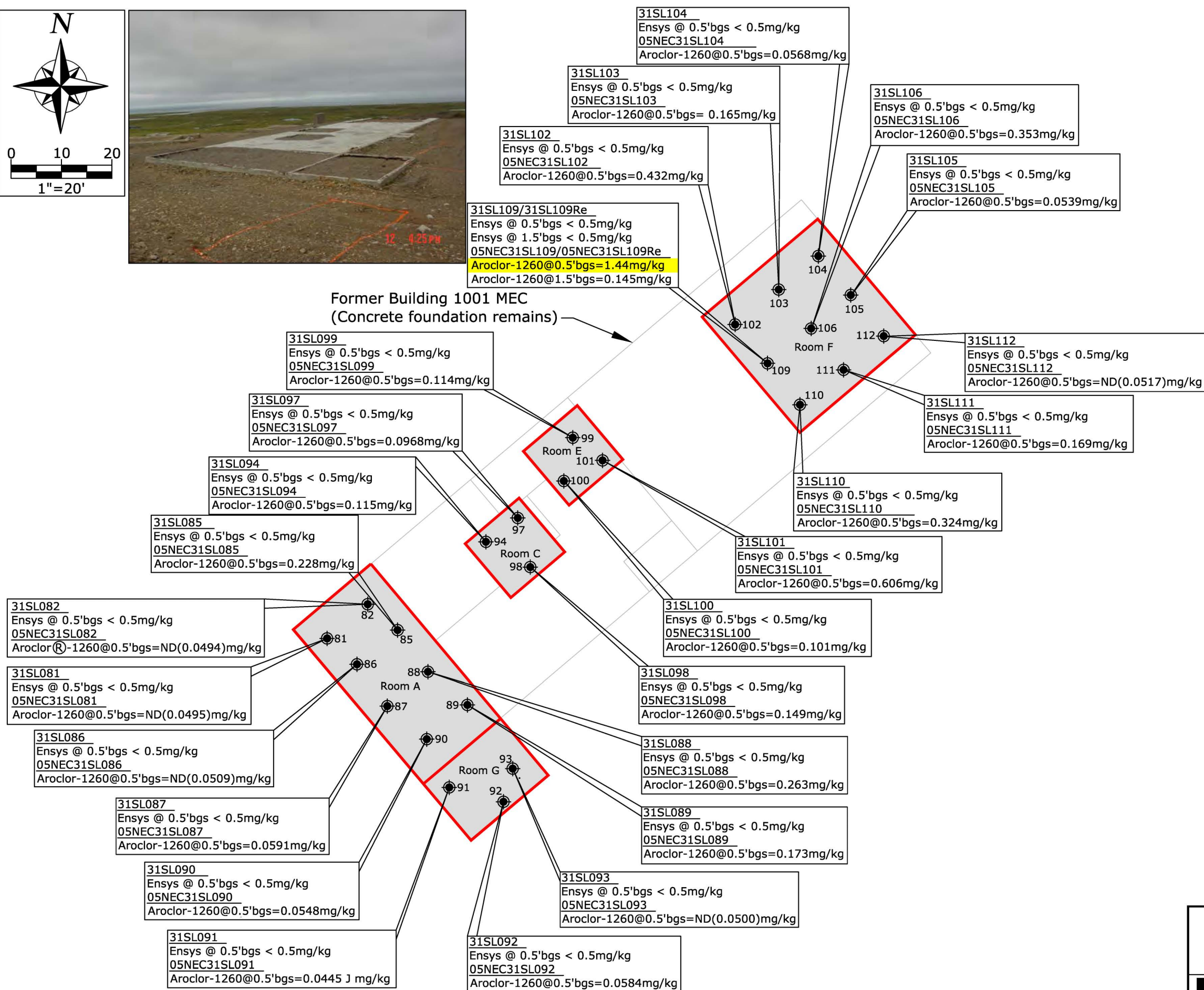
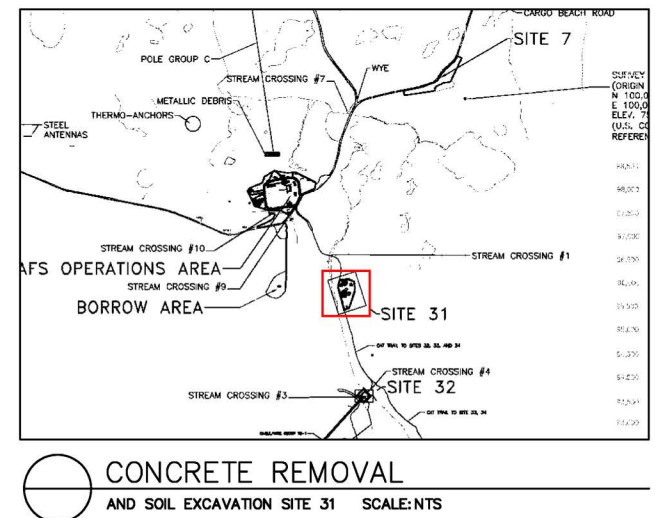
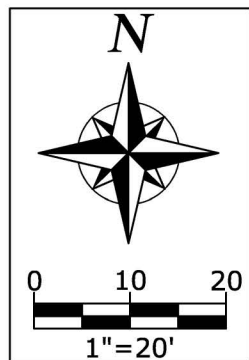
DATE 09/22/05

DWN. MTG

SCALE 1"=10'

APPRVD. SAJ





### Legend



Collocated field screening and analytical sample



Concrete demolished and disposed of in this area

31SL005 = Location ID for field screen sample only

05NEC31SL006 = Sample number for laboratory analysis

bgs = below ground surface  
mg/kg = milligrams per kilogram

mg/kg = milligrams per kilogram  
< = less than

ND = Not detected at or above concentration shown

J = The associated value is an estimated quantity

' = foot/feet

**FIGURE 6-3**  
**WHITE ALICE SITE REMOVAL ACTION**  
**NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA**  
**SOIL SAMPLE LOCATIONS AND RESULTS BENEATH**  
**CONCRETE AT BUILDING 1001 MEC**



DATUM:	N/A
PROJECTION:	N/A
CONTRACT NO:	DACA85-02-C-001

DATE 09/22/05  
DWN. MTG  
SCALE 1"=20'  
APPRVD. SAJ



## Legend



Collocated field screening and analytical sample



Soil field screening sample location



Soil field screening sample location where Enslys result exceeds 0.5mg/kg

07SL032

= Location ID for field screen sample only

05NEC07SL032

= Sample number for laboratory analysis

bgs

= below ground surface

mg/kg

= milligrams per kilogram

>

= greater than

<

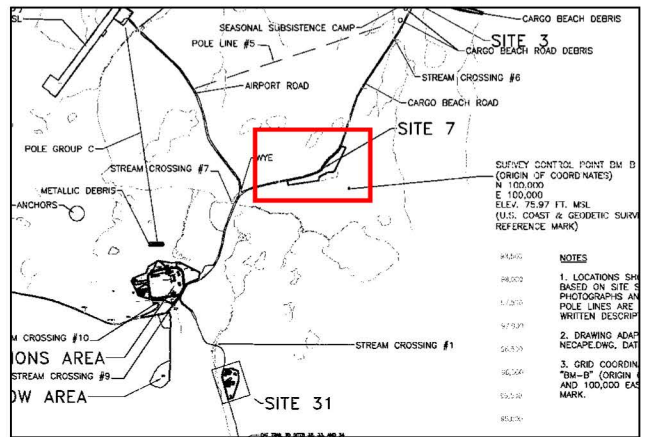
= less than

J

= The associated value is an estimated quantity

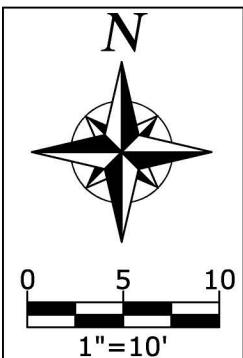
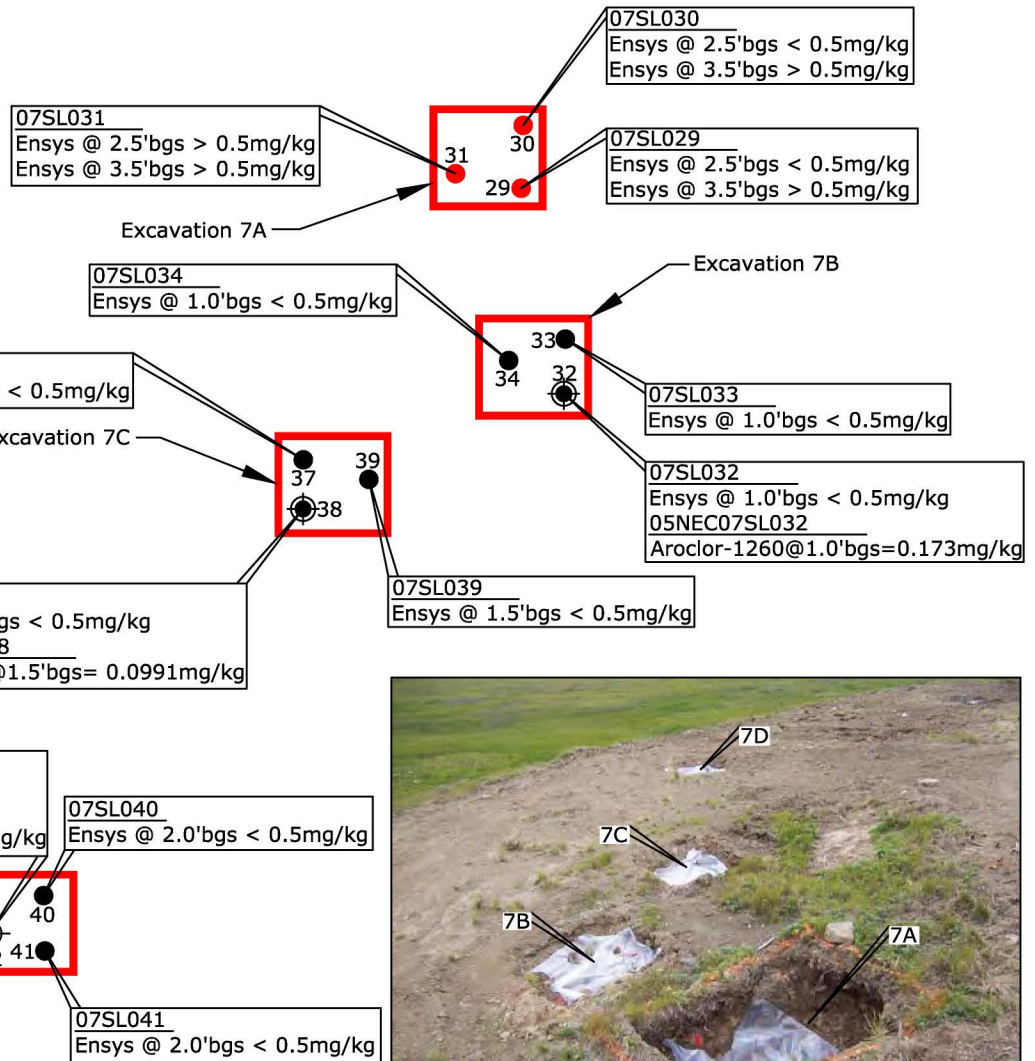
'

= foot/feet



SOIL EXCAVATION SITE 7

SCALE: NTS



**FIGURE 6-4**  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AREAS 7A, 7B, 7C, AND 7D  
SAMPLE LOCATIONS AND RESULTS



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SERVICES CORPORATION

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Project No. 25037

DATUM:

N/A

PROJECTION:

N/A

CONTRACT NO:  
DACA85-02-C-0011

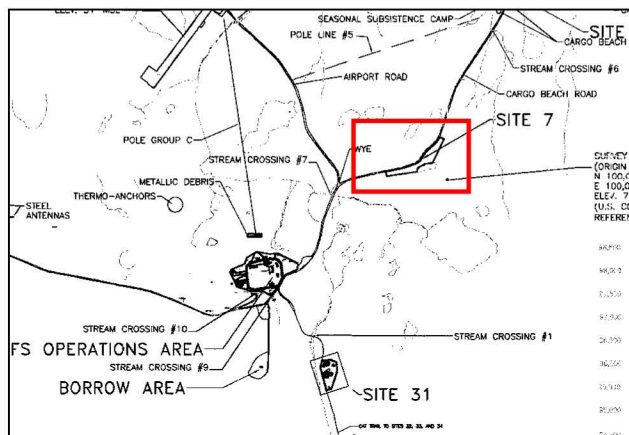
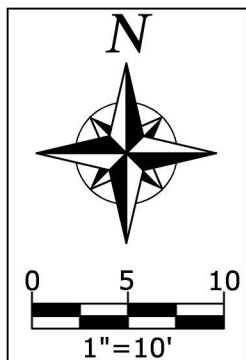
DATE 09/22/05

DWN. MTG

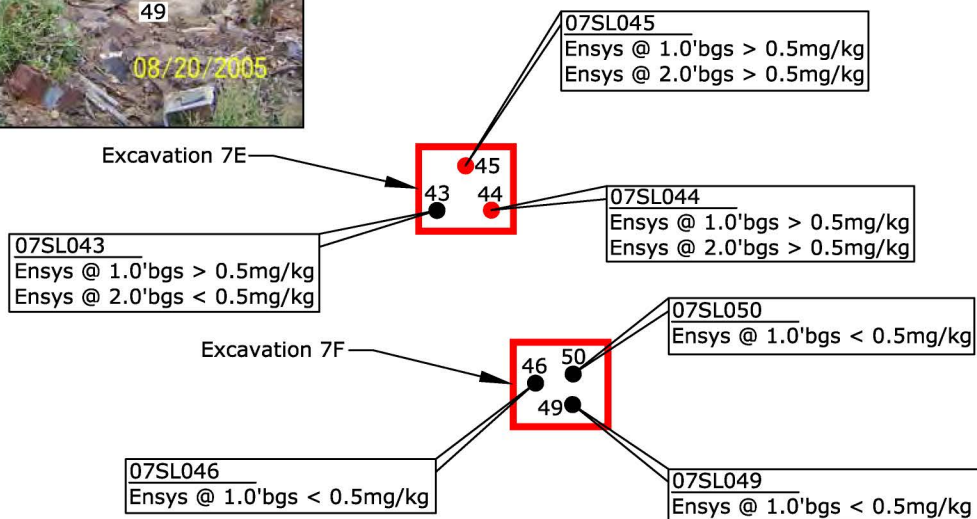
SCALE 1"=10'

APPRVD. SAJ

Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS\_DEBRIS\_REMOVAL\DWG\25037\_RA\_FIGS3THRU11.DWG - Layout: FIG6-5  
 User: MGARCIA Mar 24, 2006 - 7:02am Xrefs: - Images: D1\CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG



SOIL EXCAVATION SITE 7  
 SCALE: NTS



### Legend

- Soil field screening sample location
- Soil field screening sample location where Ensys result exceeds 0.5mg/kg
- 07SL043 = Location ID for field screen sample only
- bgs = below ground surface
- mg/kg = milligrams per kilogram
- > = greater than
- < = less than
- ' = foot/feet

**FIGURE 6-5**  
**WHITE ALICE SITE REMOVAL ACTION**  
**NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA**  
**SOIL EXCAVATION AREAS 7E AND 7F**  
**SAMPLE LOCATIONS AND RESULTS**

**Bristol**  
 ENVIRONMENTAL & ENGINEERING  
 SERVICES CORPORATION  
 Phone (907) 563-0013 Fax (907) 563-6713  
 Project No. 25037

DATUM:  
 N/A  
 PROJECTION:  
 N/A  
 CONTRACT NO:  
 DACA85-02-C-0011

DATE 09/22/05  
 DWN. MTG  
 SCALE 1"=10'  
 APPRVD. SAJ



Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENV\TRANS\_DEBRIS\_REMOVAL\DWG\25037\_RA\_FIGS3THRU11.DWG - Layout: FIG6-6  
User: MGARCIA Mar 24, 2006 - 7:02am Xrefs: - Images: D1.CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG

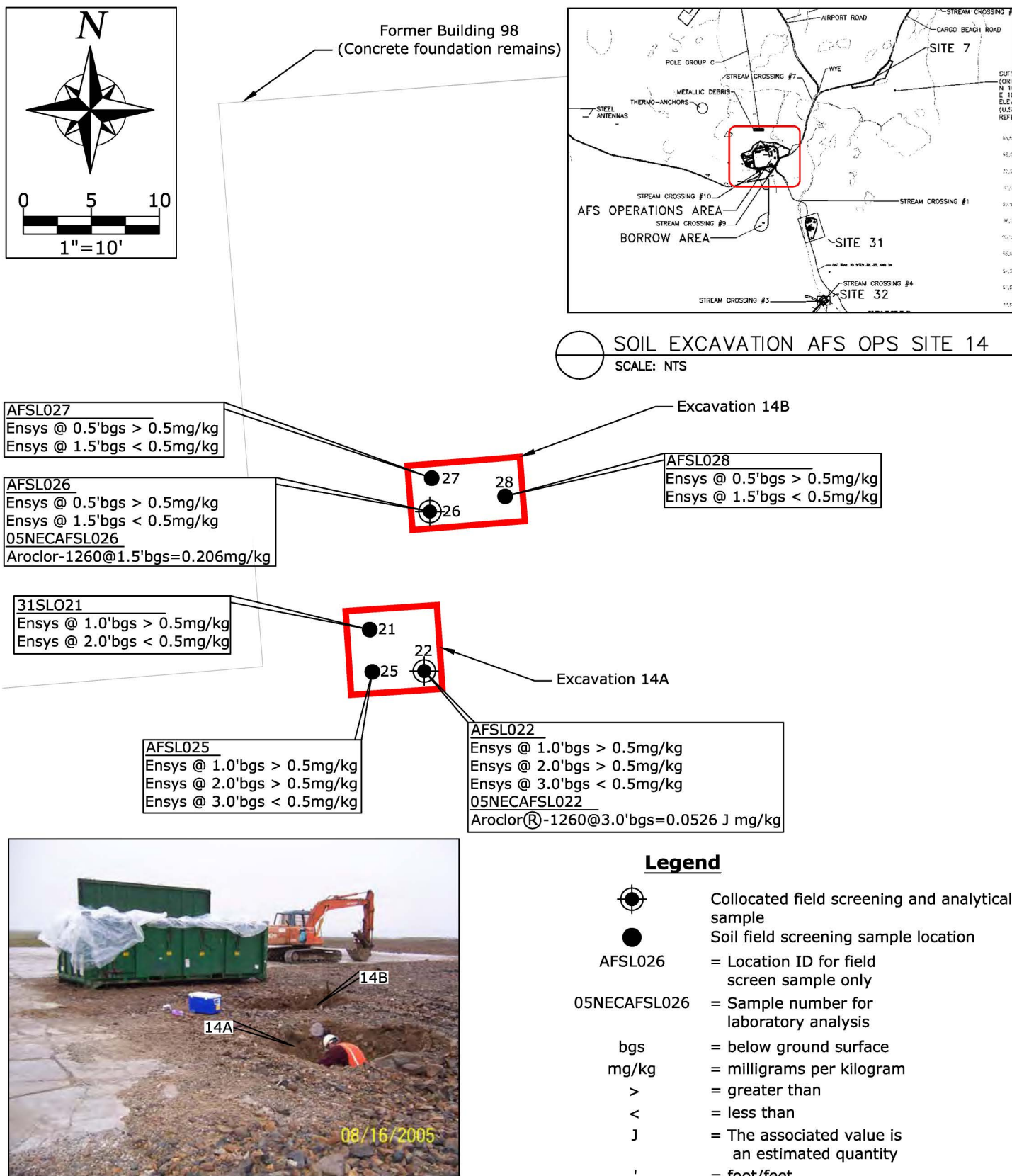



FIGURE 6-6  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AFS OPS SITE 14  
SAMPLE LOCATIONS AND RESULTS

 <b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM: N/A	DATE 09/22/05
	PROJECTION: N/A	DWN. MTG
	CONTRACT NO: DACA85-02-C-0011	SCALE 1"=10'
		APPRVD. SAJ

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User: MGARCIA Mar 24, 2006 - 7:03am Xrefs: - Images: D1.CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-1B.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG

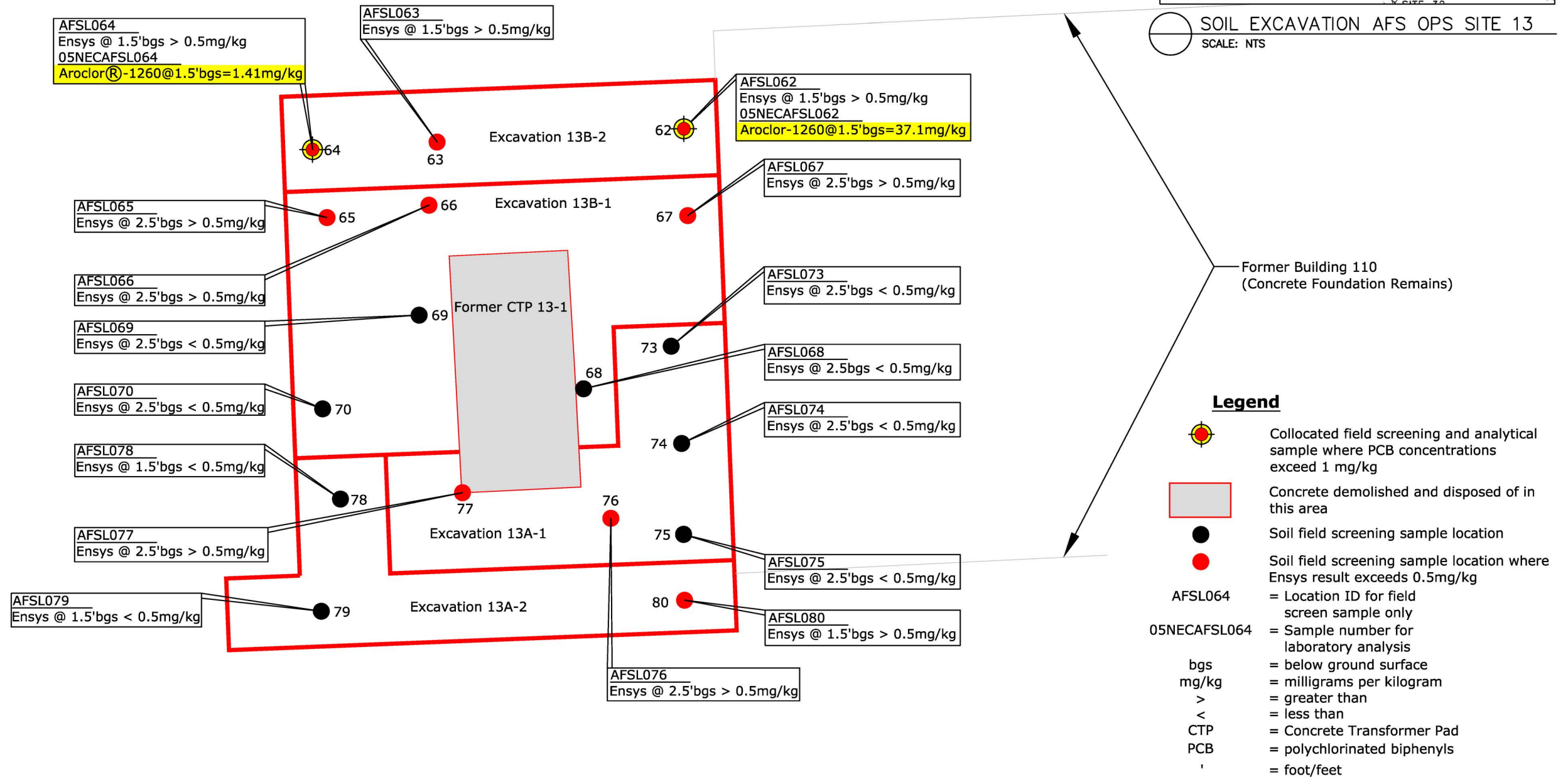
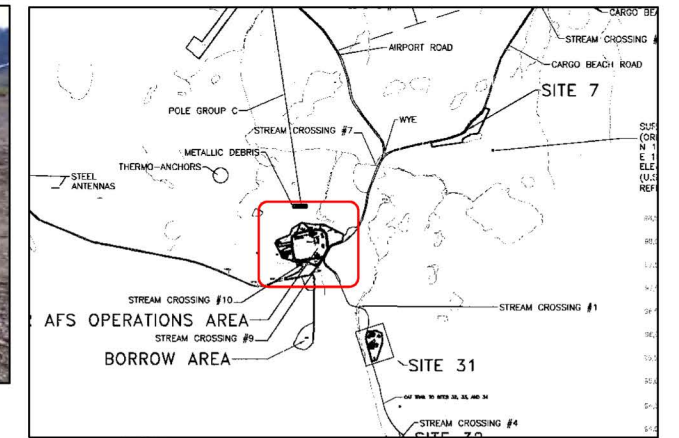
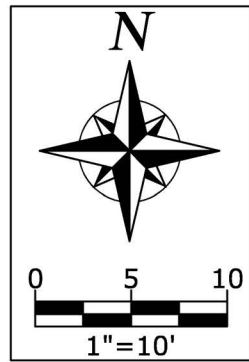

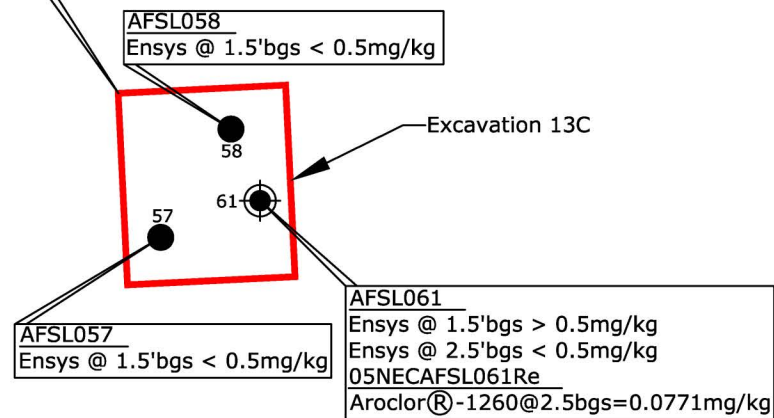
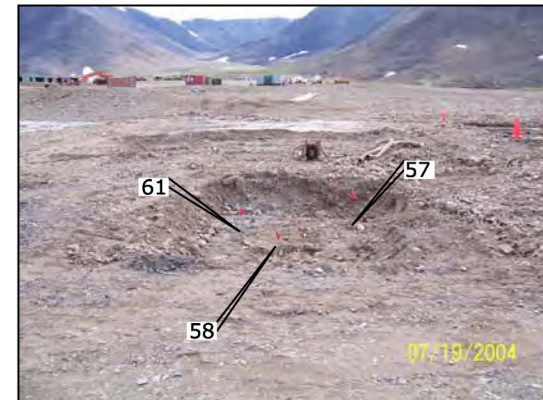
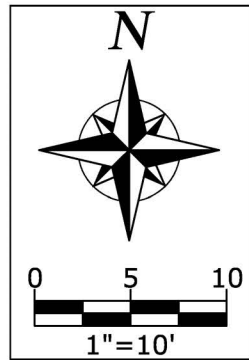


FIGURE 6-7  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AREAS 13A AND 13B  
SAMPLE LOCATIONS AND RESULTS

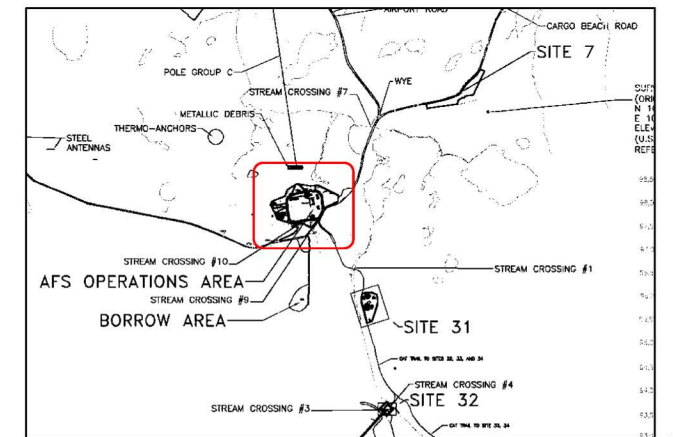
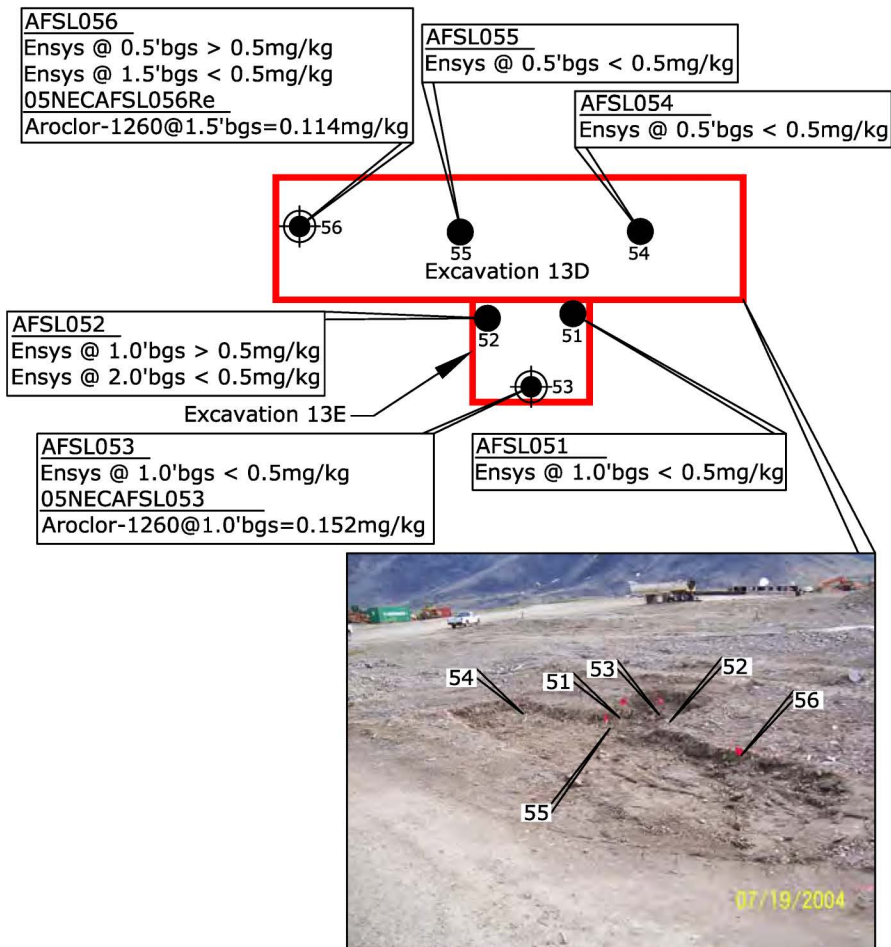
 <b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM: N/A	DATE 09/22/05
	PROJECTION: N/A	DWN. MTG
	CONTRACT NO: DACA85-02-C-0011	SCALE 1"=10'
		APPRVD. SAJ



Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS DEBRIS REMOVAL\DWG\25037 RA\_FIGS\THRU11.DWG - Layout: FIG-8  
User: MGARCIA Mar 24, 2006 - 7:04am Xrefs: - Images: D1.CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-1B.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG



Former Building 110



SOIL EXCAVATION AFS OPS SITE 13  
SCALE: NTS

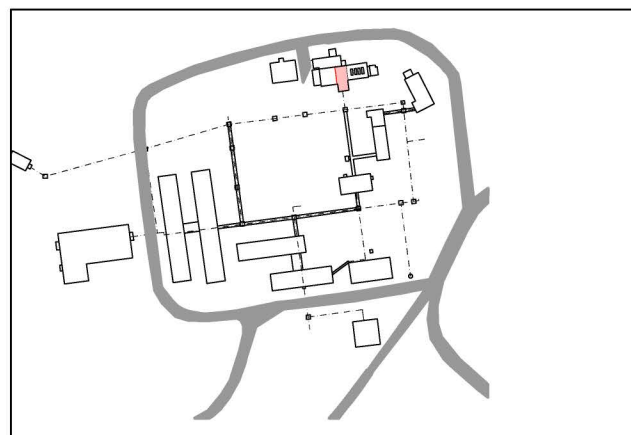
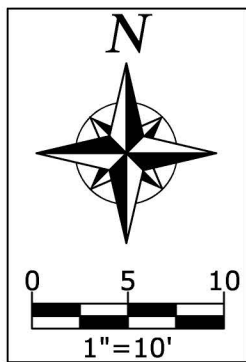
#### Legend

- Collocated field screening and analytical sample
- Soil field screening sample location
- AFSL056** = Location ID for field screen sample only
- 05NECAFSL056** = Sample number for laboratory analysis
- bgs** = below ground surface
- mg/kg** = milligrams per kilogram
- >** = greater than
- <** = less than
- '** = foot/feet

FIGURE 6-8  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION AREAS 13C, 13D, AND 13E  
SAMPLE LOCATIONS AND RESULTS

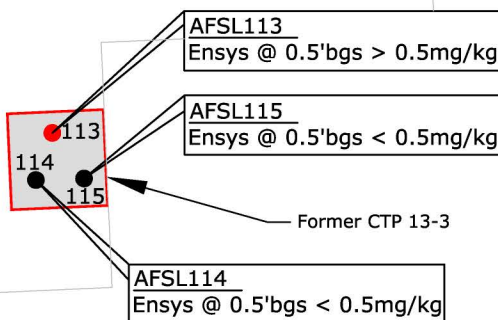
<b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM: N/A	DATE 09/22/05
	PROJECTION: N/A	DWN. MTG
	CONTRACT NO: DACA85-02-C-0011	SCALE 1"=10'
		APPRVD. SAJ

Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS\_DEBRIS\_REMOVAL\DWG\25037\_RA\_FIGS3THRU11.DWG - Layout: FIG6-9  
User: MGARCIA Mar 24, 2006 - 7:06am Xrefs: - Images: D1\CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG



Former Building 110  
(Concrete foundation remains)

SOIL EXCAVATION BUILDING 110  
SCALE: NTS



### Legend

- Soil field screening sample location
- Soil field screening sample location where Ensys result exceeds 0.5mg/kg
- Concrete demolished and disposed of in this area
- CTP = Concrete Transformer Pad
- AFSL113 = Location ID for field screen sample only
- bgs = below ground surface
- mg/kg = milligrams per kilogram
- > = greater than
- < = less than
- ' = foot/feet

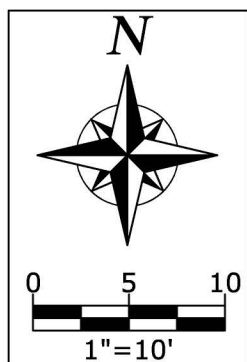
FIGURE 6-9  
WHITE ALICE SITE REMOVAL ACTION  
GAMBELL ST. LAWRENCE ISLAND, ALASKA  
SOIL EXCAVATION BUILDING 110  
SAMPLE LOCATIONS AND RESULTS

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Project No. 25037

DATUM:  
N/A  
PROJECTION:  
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CONTRACT NO:  
DACA85-02-C-0011

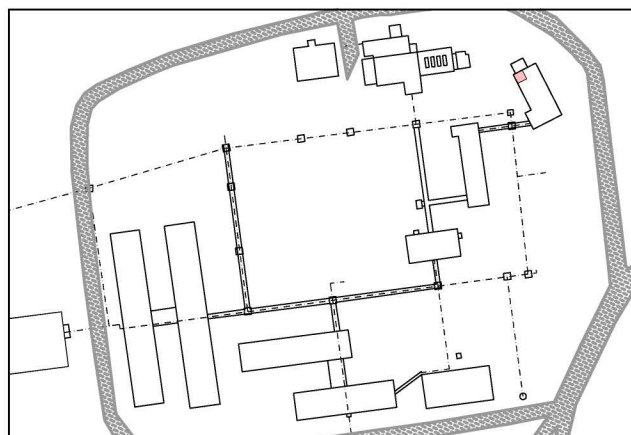
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DWN. MTG  
SCALE 1"=10'  
APPRVD. SAJ

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User: MGARCIA Mar 24, 2006 - 7:06am Xrefs: - Images: D1.CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-12.JPG FIGURE 6-13.JPG FIGURE 6-14.JPG FIGURE 6-15.JPG FIGURE 6-16.JPG FIGURE 6-17.JPG FIGURE 6-18.JPG FIGURE 6-19.JPG FIGURE 6-20.JPG FIGURE 6-21.JPG FIGURE 6-22.JPG FIGURE 6-23.JPG FIGURE 6-24.JPG FIGURE 6-25.JPG FIGURE 6-26.JPG FIGURE 6-27.JPG FIGURE 6-28.JPG FIGURE 6-29.JPG FIGURE 6-30.JPG FIGURE 6-31.JPG FIGURE 6-32.JPG FIGURE 6-33.JPG FIGURE 6-34.JPG FIGURE 6-35.JPG FIGURE 6-36.JPG FIGURE 6-37.JPG FIGURE 6-38.JPG FIGURE 6-39.JPG FIGURE 6-40.JPG FIGURE 6-41.JPG FIGURE 6-42.JPG FIGURE 6-43.JPG FIGURE 6-44.JPG FIGURE 6-45.JPG FIGURE 6-46.JPG FIGURE 6-47.JPG FIGURE 6-48.JPG FIGURE 6-49.JPG FIGURE 6-50.JPG FIGURE 6-51.JPG FIGURE 6-52.JPG FIGURE 6-53.JPG FIGURE 6-54.JPG FIGURE 6-55.JPG FIGURE 6-56.JPG FIGURE 6-57.JPG FIGURE 6-58.JPG FIGURE 6-59.JPG FIGURE 6-60.JPG FIGURE 6-61.JPG FIGURE 6-62.JPG FIGURE 6-63.JPG FIGURE 6-64.JPG FIGURE 6-65.JPG FIGURE 6-66.JPG FIGURE 6-67.JPG FIGURE 6-68.JPG FIGURE 6-69.JPG FIGURE 6-70.JPG FIGURE 6-71.JPG FIGURE 6-72.JPG FIGURE 6-73.JPG FIGURE 6-74.JPG FIGURE 6-75.JPG FIGURE 6-76.JPG FIGURE 6-77.JPG FIGURE 6-78.JPG FIGURE 6-79.JPG FIGURE 6-80.JPG FIGURE 6-81.JPG FIGURE 6-82.JPG FIGURE 6-83.JPG FIGURE 6-84.JPG FIGURE 6-85.JPG FIGURE 6-86.JPG FIGURE 6-87.JPG FIGURE 6-88.JPG FIGURE 6-89.JPG FIGURE 6-90.JPG FIGURE 6-91.JPG FIGURE 6-92.JPG FIGURE 6-93.JPG FIGURE 6-94.JPG FIGURE 6-95.JPG FIGURE 6-96.JPG FIGURE 6-97.JPG FIGURE 6-98.JPG FIGURE 6-99.JPG FIGURE 6-100.JPG

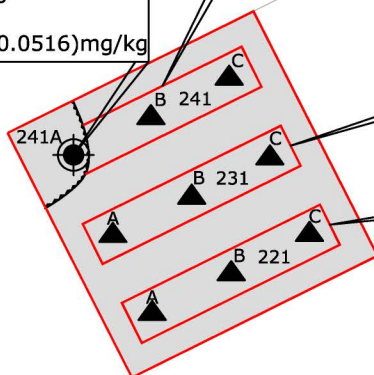


AFCC241  
Ensys < 0.5mg/kg  
05NECAFCC241  
Aroclor®-1260=ND(0.0491)mg/kg

AFSL241A  
Ensys @ 0.5'bgs < 0.5mg/kg  
05NECAFSL241A  
Aroclor-1260@0.5'bgs=ND(0.0516)mg/kg



CONCRETE REMOVAL BUILDING 108  
SCALE: NTS



AFCC231  
Ensys < 0.5mg/kg  
05NECAFCC231  
Aroclor-1260=ND(0.0498)mg/kg

AFCC221  
Ensys < 0.5mg/kg  
05NECAFCC221  
Aroclor-1260=ND(0.0507)mg/kg

Former Building 108  
(Concrete foundation remains)



Concrete Removal  
Area

### Legend



Collocated soil field screening and  
analytical sample



Upper layer of concrete demolished  
and disposed of in this area

AFCC241

= Location ID for field  
screen sample only

05NECAFCC241

= Sample number for  
laboratory analysis

bgs

= below ground surface

mg/kg

= milligrams per kilogram

<

= less than

ND

= Not detected at or above  
concentration shown

221

= Composite concrete  
sample with location ID



= Concrete powder field  
screening sample  
location where Ensys  
result less than 0.5mg/kg



= soil-concrete boundary

'

= foot/feet

FIGURE 6-10  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
CONCRETE REMOVAL AND POWDER SAMPLE  
LOCATIONS AT BUILDING 108



Bristol

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Project No. 25037

DATUM:

N/A

PROJECTION:

N/A

CONTRACT NO:

DACA85-02-C-0011

DATE 09/22/05

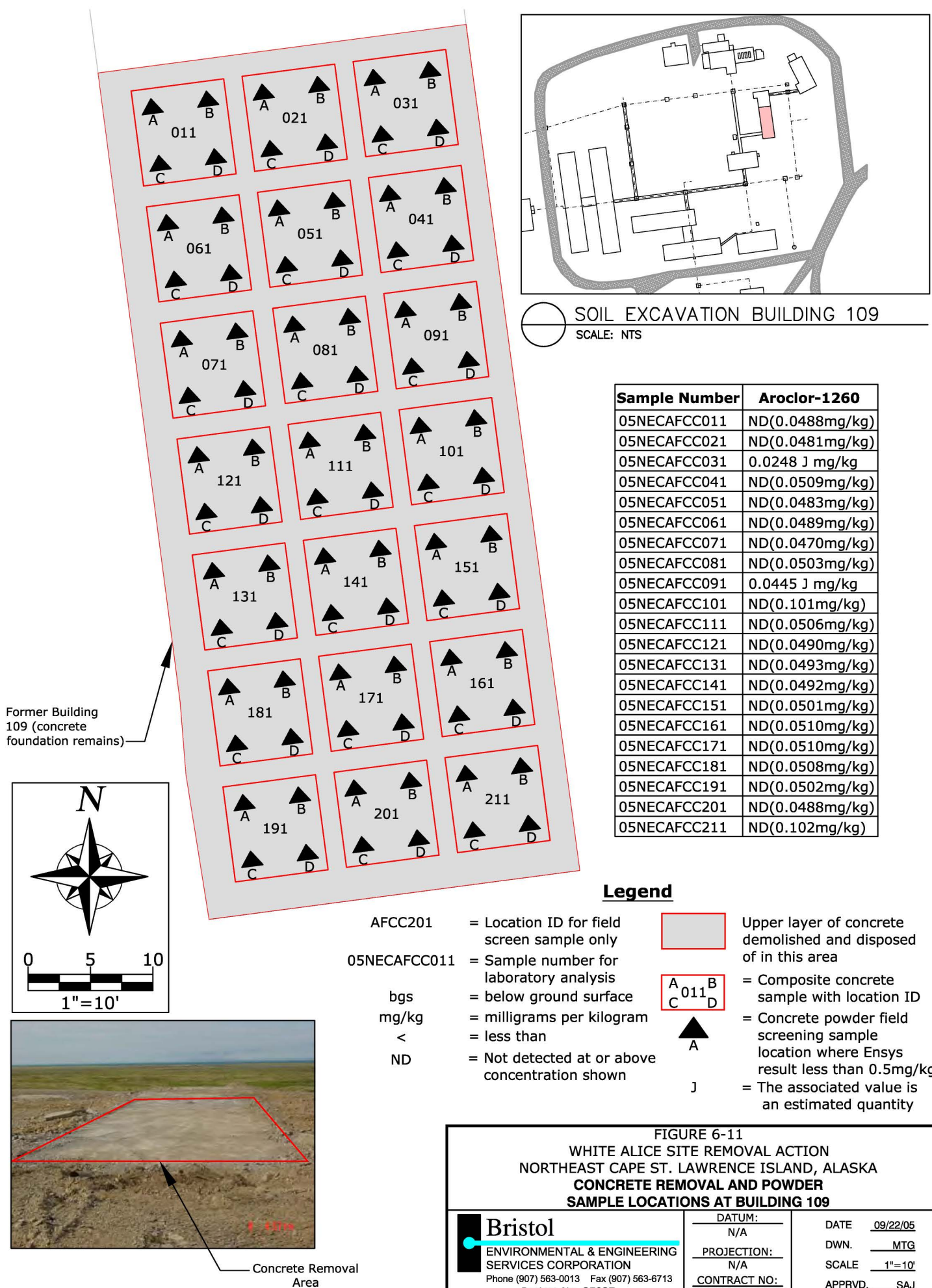
DWN. MTG

SCALE 1"=10'

APPRVD. SAJ



Drawing: I:\25037 NE CAPE TRAM & DEBRIS REMOVAL\ACAD-ENVIRO\TRANS\_DEBRIS\_REMOVAL\DWG\25037\_RA\_FIGS3THRU11.DWG - Layout: FIG6-11  
User: MGARCIA Mar 24, 2006 - 7:07am Xrefs: - Images: D1\CAL FIGURE 6-10.JPG FIGURE 6-11.JPG FIGURE 6-1A.JPG FIGURE 6-2.JPG FIGURE 6-3.JPG FIGURE 6-4.JPG FIGURE 6-5.JPG





## **APPENDIX A**

### **Daily Quality Control Reports**

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 001**

Date or Time Period  
**Saturday June 25, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?  
N/A ☒

Yes ☐ No ☐

Have samples been properly labeled and packaged?  
N/A ☒

Yes ☐ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐

N/A ☒

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
CL000103-Site 1 Mobilization	<ol style="list-style-type: none"><li>6 BEESC personnel (Goebel, MacDonald, Calugen, Whitmore, Beasley and Leach) arrived on site at approx. 1330 hrs. Crew arrived on Navaho. This was followed by a CASA load of freight and baggage at 1730 hrs.</li><li>The Greta and barge Koyak arrived at Northeast Cape at 1730 hrs and unloading operations began at 1745 hrs. Unloading was finished at 2330 hrs and the end of the shift ended at 0200 hrs 6-26-05.</li><li>All of the heavy equipment and the basic camp set up was received today.</li><li>Total personnel on site: 6.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>6-25-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent	13		
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman	13		
Kim Leach	Driver/Operator	13		
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic	13		
Troy Whitmore	Oiler/Mechanic	13		
Carl Calugen	Laborer Foreman	13		
Eugene Toolie	Laborer			
Sam Mokiuyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook			
Tim Gregory	Maintenance Personnel			
Jay Bird	Maintenance Personnel			
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech			
Logan Thorton	IT Tech			
Brian Welsh	IT Tech			
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

**Complete List of Equipment On Site**

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									
Allmand 4kw Light Plant/Tower	52-112									
Allmand 4kw Light Plant/Tower	52-113									
10' X 70' Truck Scale & House	52-115									
McPhearson M30F Air Curtain	52-116									
ISO Tank Group 8ea Units	52-405									
Leroi Air Compressor	52-600									

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Materials Received to be Used on or Incorporated into Site

Barge load of site/camp equipment, machinery, and full/empty connexes.

---

Instructions Given by \_\_\_\_\_ to BEESC (include names, reactions, and remarks.)

None.

---

Instructions Given by BEESC to Subcontractors (include names, reactions, and remarks.)

None.

---

**Work Progress**

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

---

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

---

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Site Supt., Rollie Goebel, on site today with a crew of 5 BEESC employees (L.F. MacDonald-Op. Foreman, Carl Calugan-Laborer Foreman, Lim Leach-Operator, Rick Beasley-Mechanic, and Troy Whitmore-Oiler) in preparation of a Barge load of equipment reaching the Northeast Cape Site.
- All of the main camp pieces and all of the heavy equipment was received on site today.

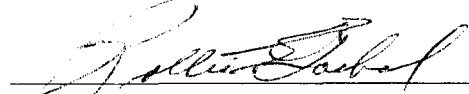
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Comments: None.

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

CQCSM Signature

Date

  
Site Superintendent Signature

June 26, 05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date



---

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

---

CQCSM Signature

---

Date

---

Site Superintendent Signature

---

Date

---

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily – Good idea . QAR reviewed this report on-site at St. Lawrence camp on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *AGE/QAR* *15 JULY '05*

---

QAR Signature

Date

Supervisor's Initials

Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 002**

**Date or Time Period**  
**Sunday June 26, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?  
N/A ☒

Yes ☐ No ☐

Have samples been properly labeled and packaged?  
N/A ☒

Yes ☐ No ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐

N/A ☒

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0800.</li><li>2. Mobilized the camp units from the beach to the airport.</li><li>3. 3 Kupik Arctic Catering personnel (Swank, Gregory and Bird) arrive on site at 1330 hrs.</li><li>4. BEESC personnel helped Arctic Catering set up camp units. Units were set by 1930 hrs.</li><li>5. Set and hooked up camp fuel tanks.</li><li>6. Camp's electrical system set up.</li><li>7. End of shift at 2130 hrs.</li><li>8. Total personnel on site: 9.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Sunday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>6-26-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent	13		
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman	13		
Kim Leach	Driver/Operator	13		
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic	13		
Troy Whitmore	Oiler/Mechanic	13		
Carl Calugen	Laborer Foreman	13		
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Jay Bird	Camp Maintenance/Set Up		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech			
Logan Thorton	IT Tech			
Brian Welsh	IT Tech			
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

# Vehicle and Heavy Equipment On Site

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									



Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									
Allmand 4kw Light Plant/Tower	52-112									
Allmand 4kw Light Plant/Tower	52-113									
10' X 70' Truck Scale & House	52-115									
McPhearson M30F Air Curtain	52-116									
ISO Tank Group 8ea Units	52-405									
Leroi Air Compressor	52-600									

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Materials Received to be Used on or Incorporated into Site

Barge load of site/camp equipment, machinery, and full/empty connexes.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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**Work Progress**

Are there any Contractor-caused delays or potential finding of fact? Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact? Yes ☐ No ☒

Are there any unforeseeable or weather-related delays? Yes ☐ No ☒

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**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Site Supt., Rollie Goebel, on site today with a crew of 5 BEESC employees (L.F. MacDonald-Op. Foreman, Carl Calugan-Laborer Foreman, Lim Leach-Operator, Rick Beasley-Mechanic, and Troy Whitmore-Oiler) in preparation of a Barge load of equipment reaching the Northeast Cape Site.
- All of the main camp pieces and all of the heavy equipment was received on site today.

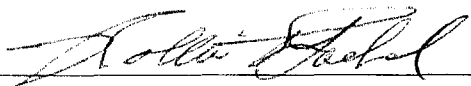
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Comments: None.

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

CQCSM Signature

Date



6-27-05

Site Superintendent Signature

Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

CQCSM Signature

Site Superintendent Signature

7

### CLIN COMPLETION SUMMARY

<u>Reference (CLIN No.)</u>	<u>Activity</u>	<u>Location</u>	<u>Contractor/ Subcontractor</u>	<u>Complete/ % Complete</u>
<u>CL000101-1</u>	<u>Ice Recon flights</u>	<u>Nome</u>	<u>BEESC/Bering Air</u>	<u>100%</u>
<u>CL000102-1</u>	<u>Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.</u>	<u>Anchorage</u>	<u>BEESC</u>	<u>100%</u>
<u>CL000103-1</u>	<u>Mobilize from the Port of Anchorage to St. Lawrence Island.</u>	<u>Bering Sea</u>	<u>BEESC/Northlan d Barge</u>	
<u>CL000104-1</u>	<u>Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000105-1</u>	<u>Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.</u>	<u>Bering Sea</u>	<u>BEESC/Northlan d Barge</u>	
<u>CL000205-2</u>	<u>Pr-Mobilization Conference</u>	<u>Anchorage</u>	<u>BEESC</u>	
<u>CL000206-2</u>	<u>Surveys and Benchmarks</u>	<u>NE Cape</u>	<u>BEESC/Terra Surveyors</u>	
<u>CL000207-2</u>	<u>As-built surveys and final sample locations</u>	<u>NE Cape</u>	<u>BEESC/Terra Surveyors</u>	
<u>CL000211-2</u>	<u>Project Management</u>	<u>Anchorage/ NE Cape</u>	<u>BEESC</u>	
<u>CL000301-3</u>	<u>Work Site Access, Lower Mountain</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000302-3</u>	<u>Work Site access, Upper Mountain</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000401-4</u>	<u>Field Overhead, Including camp and other support.</u>	<u>NE Cape</u>	<u>BEESC/Others</u>	
<u>CL000501-5</u>	<u>Two 11/4" steel Tram cables. Above ground supported by tran towers.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000502-5</u>	<u>Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000503-5</u>	<u>One 2" armored marine wire. Assume PCBs and asbestos.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000504-5</u>	<u>One 2 1/4" armored marine wire. Assume PCBs and asbestos.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000505-5</u>	<u>One line of 1/2" steel cable, attached to marine wire and to sup Towers.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000506-5</u>	<u>One line of 11/4" steel support cable.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000507-5</u>	<u>One 3/4" dia. Line. Indestructo P-106 BM</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000508-5</u>	<u>Wire bundle comprised of 3 wires plus steel cable. Cable is se ate. 3 lines of 1" dia. Cable. On grnd. Surface</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000509-5</u>	<u>One 1/2" steel cable. Attached to lines above. On grnd. Surface</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000510-5</u>	<u>Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000511-5</u>	<u>One 1/2" steel cable. Attached to lines above. On grnd. Surface</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000512-5</u>	<u>Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000513-5</u>	<u>One 1/2" steel cable. Attached to lines above. On grnd. Surface</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000514-5</u>	<u>One 1 1/4" dia. Steel cable.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000515-5</u>	<u>One 1/2" dia steel cable.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000516-5</u>	<u>Two 1/2" dia. Black wires.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000517-5</u>	<u>Four lines of approx. No. 14 black wire.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000518-5</u>	<u>Coiled Line comprised of 3-lines of 1" dia. Black wire.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000601-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad.</u>	<u>NE Cape</u>	<u>BEESC</u>	

<u>Reference (CLIN No.)</u>	<u>Activity</u>	<u>Location</u>	<u>Contractor/ Subcontractor</u>	<u>Complete/ % Complete</u>
<u>CL000602-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000603-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000604-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000605-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000606-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000607-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000608-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000609-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000610-6</u>	<u>Tram Tower. Painted. Steel. Anchored to concrete pad</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000611-6</u>	<u>Tower. 3 tower posts. Painted Anchored to concrete.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000612-6</u>	<u>Tower. 3 tower posts. Painted Anchored to concrete.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000613-6</u>	<u>Tower. Multiple tower posts. Painted. Anchored to concrete.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000614-6</u>	<u>Tower. Multiple tower posts. Painted. Anchored to concrete</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000615-6</u>	<u>Tower. Multiple tower posts. Painted. Anchored to concrete</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000616-6</u>	<u>Tower. Multiple tower posts. Painted. Anchored to concrete</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000617-6</u>	<u>Tower. One tower post. Painted. Anchored to concrete.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000618-6</u>	<u>Tower. One tower post. Painted. Anchored to concrete</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000619-6</u>	<u>2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000620-6</u>	<u>48" CMP. Vertical and horizontal w/valve and piping, electrical.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000701-7</u>	<u>Drums containing gravel. Misc. debris.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000702-7</u>	<u>Misc. debris removal from North facing slope.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000703-7</u>	<u>Misc. debris removal from South facing slope.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000704-7</u>	<u>Misc. debris removal. Marston matting, wood debris, tram bldg.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000801-8</u>	<u>Welder. Near AFS Ops area at debris staging.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000802-8</u>	<u>3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000803-8</u>	<u>2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000804-8</u>	<u>Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000805-8</u>	<u>Blazer style vehicle. Near AFS Ops area and debris staging.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000806-8</u>	<u>4 Cummins generators from former Bldg. 110. Near AFS Ops</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000807-8</u>	<u>Metal and wood debris on E. side of road embankment, Site 7 landfill area.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000901-9</u>	<u>6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000902-9</u>	<u>Two steel tanks, approx. 1500' north of AFS Ops area.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000903-9</u>	<u>8ea wooden poles, 12-15' Long, ±12" dia.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000904-9</u>	<u>3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000905-9</u>	<u>±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000906-9</u>	<u>Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000907-9</u>	<u>4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000908-9</u>	<u>Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000909-9</u>	<u>Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500'</u>	<u>NE Cape</u>	<u>BEESC</u>	



<u>Reference (CLIN No.)</u>	<u>Activity</u>	<u>Location</u>	<u>Contractor/ Subcontractor</u>	<u>Complete/ % Complete</u>
	<u>north of AFS Ops.</u>			
<u>CL000910-9</u>	<u>One strand of 1 1/2" dia. Armored cable. Bldg. 98 west 1000'.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000911-9</u>	<u>Eight strands of 1 1/2" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000912-9</u>	<u>Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000913-9</u>	<u>Galvanized steel antenna, 60' long. ±1300' SE of Site 24.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000914-9</u>	<u>Galvanized steel antenna, 60' long. ±1300' SE of Site 24.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL000915-9</u>	<u>Concrete pedestals, 20" X 20", Remove and bury at AFS area</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001001-10</u>	<u>Concrete transformer pad. W of Bldg. 110 slab.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001002-10</u>	<u>Concrete transformer pad. N end of Bldg. 110 slab.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001003-10</u>	<u>Concrete transformer pad. S end of Bldg. 110 slab.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001004-10</u>	<u>Concrete floor slab. S end of Bldg. 1001 MEC slab.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001101-11</u>	<u>Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001102-11</u>	<u>Same as above. Along beach in vicinity of the barge ramp.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001103-11</u>	<u>Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001104-11</u>	<u>Same as above. In former AFS Ops area.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001105-11</u>	<u>Same as above. In tundra Site 24.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001106-11</u>	<u>Same as above. In tundra Site 25.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001107-11</u>	<u>Same as above. In tundra Site 31.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001108-11</u>	<u>Same as above. In tundra Site 32.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001401-14</u>	<u>Excavate soil to 0.05 bgs. Excavation 31A</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001402-14</u>	<u>Excavate soil to 0.5' bgs. Excavation 31B</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001403-14</u>	<u>Excavate soil to 0.5' bgs. Excavation 31C.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001404-14</u>	<u>Excavate soil to 1.0' bgs. Excavation 14A.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001405-14</u>	<u>Excavate soil to 0.5' bgs. Excavation 14B.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001406-14</u>	<u>Excavate soil to 2.5' bgs. Excavation 13A.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001407-14</u>	<u>Excavate soil to 4.5' bgs. Excavation 13B.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001601-16</u>	<u>PCB-Contaminated Concrete, Building 109.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001602-16</u>	<u>PCB-Contaminated Concrete, Building 108.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001603-16</u>	<u>PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A &amp; G.</u>	<u>NE Cape</u>	<u>BEESC</u>	
<u>CL001604-16</u>	<u>PCB-Contaminated concrete, CTP-3.</u>	<u>NE Cape</u>	<u>BEESC</u>	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 003**

Date or Time Period  
**Monday June 27, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

N/A ☒

Yes ☐ No ☐

Have required amount of QC trip blanks and rinsates been achieved?

N/A ☒

Yes ☐ No ☐

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### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700.</li><li>2. Mobilized some connexes and vehicles to the camp and shop area.</li><li>3. Dug in power and waste water lines.</li><li>4. Hooked up water system.</li><li>5. Bristol Endeavor and the barge Stony arrived at approximately 1800.</li><li>6. Finished unloading both sea vessels by approximately 2110.</li><li>7. Total personnel on site: 9.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	<b>6-27-05</b>		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		13	
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		13	
Kim Leach	Driver/Operator		13	
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		13	
Troy Whitmore	Oiler/Mechanic		13	
Carl Calugen	Laborer Foreman		13	
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Jay Bird	Camp Maintenance/Set Up		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech			
Logan Thorton	IT Tech			
Brian Welsh	IT Tech			
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

<b>Equipment Type</b>	<b>BEESC Number</b>	<b>M</b>	<b>T</b>	<b>W</b>	<b>TH</b>	<b>F</b>	<b>S</b>	<b>Week's Total</b>	<b>Prior Week</b>	<b>Total</b>
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

Materials Received to be Used on or Incorporated into Site

Miscellaneous site/Camp equipment and materials that arrived by barge.

Instructions Given by \_\_\_\_\_ to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

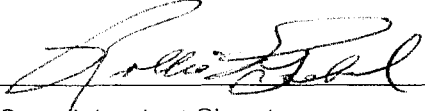
Yes ☐ No ☒



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

CQCSM Signature

Date

  
Site Superintendent Signature

6-28-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily – Good idea. 2<sup>nd</sup> barge arrived today with more camp equipment and the sub-ktr Arctic Services camp support employees. QAR reviewed this report on-site at St. Lawrence camp, on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ALOE/QAR* *15 JULY '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grd. And some on grd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 004**

**Date or Time Period**  
**Tuesday June 28, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Work efforts started with mobbing equipment from the beach to the shop area.</li><li>3. The tug Greta and the barge Koyak arrived at site at 1230 hrs. Finished unloading at 1600 hrs. Barge brought 96 connexes , additional vehicles, and the shop tent.</li><li>4. Freight from the barge included one connex for Arctic Catering and one connex for Terra Communications, which were hauled to the camp area.</li><li>5. Crew spent the remainder of the shift cleaning up around the Airport apron.</li><li>6. End of shift was at 1830 hrs.</li><li>7. Total personnel on site: 9.</li></ol>



**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>		<b>6-28-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent	11		
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Pederson	SSHO			
Larry Petersen	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman	11		
Kim Leach	Driver/Operator	11		
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic	11		
Troy Whitmore	Oiler/Mechanic	11		
Carl Calugen	Laborer Foreman	11		
Eugene Toolie	Laborer			
Sam Mokiyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Jay Bird	Camp Set Up		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech			
Logan Thorton	IT Tech			
Brian Welsh	IT Tech			
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

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**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

---

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Crew continued mobilization activities (site and camp set up). Third barge load of site and camp equipment and materials arrived and was offloaded.

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Comments:

- None.
-

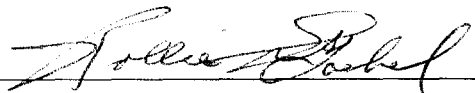
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Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

---

CQCSM Signature

Date



6-29-05

Site Superintendent Signature

Date

---

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

---

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. 96 connexes unloaded via barge today. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ALB/QAR* *15 JULY '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
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CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
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Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
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CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 005**

Date or Time Period  
**Wednesday June 29, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Continued moving connexes and equipment off beach to camp and shop area.</li><li>3. 2 IT personnel (Thorton and Roberts) arrived on site.</li><li>4. 1 camp contractor personnel (Bird) left island.</li><li>5. Built dikes for fuel cell in AFS Ops Area.</li><li>6. Installed post for communication satellite dish.</li><li>7. Total personnel on site: 10.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Wednesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>6-29-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Pederson	SSHO			
Larry Petersen	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiuyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Jay Bird	Camp Set Up			Today
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech		1 Day	
Logan Thorton	IT Tech		1 Day	
Brian Welsh	IT Tech			
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

# Equipment On Site

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	---	---	

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Two IT personnel arrived to establish on site computer network system. IT personnel also installing TV satellite hook up to living quarters.
- Crew continued mobilization activities (site and camp set up).
- One camp contractor left island.

Comments:

- None.

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Site Superintendent Signature

6-30-05  
\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

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Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

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Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. Sub-ktr IT personnel on site for satellite tele-comm' set-up. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ACE* *QAR* *15 JULY* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

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Supervisor's Initials

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CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 006**

Date or Time Period  
**Thursday June 30, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

No weather station established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: Yes. Preparatory Meeting for Removal of PCB-contaminated soil and concrete DFWs was complete with USACE and BEESC representatives in Fairbanks, AK.

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒



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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Installed padding and liner for fuel cell in AFS Ops area.</li><li>3. Placed 8 tanks in fuel cell.</li><li>4. Completed berming fuel cell and set up pumps for use.</li><li>5. Hauled weigh scale from beach to shop area.</li><li>6. Re-installed satellite dish for Arctic Catering.</li><li>7. 1 IT personnel (Welsh) arrived on site.</li><li>8. End of shift was at 1830 hrs.</li><li>9. Total personnel on site: 11.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Thursday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>6-30-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiuyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic			
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech		1 Day	
Logan Thorton	IT Tech		1 Day	
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Crew continued mobilization activities (site and camp set up).None.

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Comments:

- None.
-

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

CQCSM Signature

Date

  
Site Superintendent Signature

7-1-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. Project Pre-Performance Mtg is held at the US ACoE NAO Conference Room this morning, Fri., 30 June. As reported, a General Site Orientation and a Preparatory Planning Mtg for the removal of the contract-targeted PCB-contaminated soil and remaining concrete foundations were conducted after the Pre-Performance is held. This planning mtg is held so that the crew can commence this clean-up work on-island before the QAR can arrive to the site.

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ABE* *QAR* *15 JULY*  
*05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

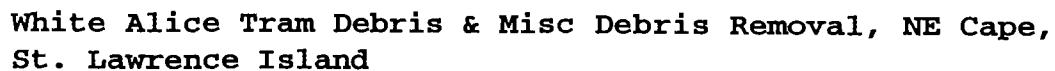
## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



Pre-Performance Meeting Sign in Sheet, 30 June, 2005

[illegible]

## PREPARATORY INSPECTION CHECKLIST

CONTRACT NO: W911KB-04-C-0019

DATE: 06/30/2005

PROJECT: White Alice Tram and Debris Removal, Northeast Cape, St. Lawrence Island, Alaska

CLIN No: CLIN 0010 & 0016 Mitigate PCB-contaminated Concrete & Additional PCB-contaminated Concrete Mitigation; CLIN 0014 & 0015 Remove PCB-contaminated soil & Remove additional PCB-contaminated soil.

TASK ORDER: N/A

DEFINABLE FEATURE OF WORK: Removal of PCB-contaminated concrete for Disposal and excavate PCB-contaminated soil for disposal.

GOVERNMENT REPRESENTATIVE NOTIFIED 0 HOURS IN ADVANCE.

### I. Persons Required To Attend

Name	Position	Company/Government
Sam Mills <i>[Signature]</i>	QAR	USACE
Steve Johnson <i>[Signature]</i>	Project Manager	BEESC
Rollie Goebel <i>[Signature]</i>	Site Supt.	BEESC
Hank Seipt <i>[Signature]</i>	CQCSM	BEESC
Chuck Croley <i>[Signature]</i>	Alt. CQCSM	BEESC
Toby Peterson <i>[Signature]</i>	SSHO	BEESC
Carl Calugan <i>[Signature]</i>	Labor Foreman	BEESC
L.F. Macdonald <i>[Signature]</i>	Foreman	BEESC

### II. Contractor/Subcontractors Involved With Activity

1. Business License on hand/Insurance @ BEESC office Insurance current & on hand? Yes
2. \_\_\_\_\_ Insurance current & on hand? Yes
3. \_\_\_\_\_ Insurance current & on hand?

### III. Submittal Review

Have all transmittals been submitted and approved? Yes

What items are delinquent or awaiting comments/approval?

1. All items and documents have been approved.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

What items require re-submittal and why? \_\_\_\_\_

1. An item not required for re-submittal, but that is a change to the plans is the USACE directed change to the Sampling Plan as related to PCB-contaminated soil.
2. \_\_\_\_\_

CASE 02 CHANGE : NEW TO SAP; SIGNED 6/30 A.M.

#### IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?

Yes

Section – Sections covered in below stated scope.

Section –

Section –

List of items you want to ensure were covered:

1. Accident Prevention Plan of EM385-1-1 is in use on site.
2. Safety plan requires the wearing of reflective vests in addition to the normal safety gear of hardhats, safety shoes, and safety glasses for personnel working on the ground in the area of clearing.
3. Activity Hazard Analysis No. 4—Stained Soil & PCB Soil Removal and Disposal.
4. Activity Hazard Analysis No. 6—Concrete Pad testing and removal.
5. Site Safety & Health Plan, Page 7 Lines 8 & 13.
6. Site Safety & Health Plan, Page 12—Change in Site Safety & Health Officer from Hank Seipt to Toby Peterson.
7. Site Safety & Health Plan, Page 16, Section 4.1.1 Polychlorinated Biphenyls (Read)
8. Site Safety & Health Plan, Page 19, Section 4.2.1 Heavy Equipment Operation.
9. Site Safety & Health Plan, Page 19, Section 4.2.2 Vehicle Inspections.
10. Site Safety & Health Plan, Page 20, Section 4.2.4 Equipment and Vehicle Safe Work Practices.
11. Site Safety & Health Plan, Page 23, Section 4.2.10 Excavations and Earthwork.
12. Site Safety & Health Plan, Page 24, Section 4.2.11 Slips, Trips, & Falls.
13. Site Safety & Health Plan, Page 36, Section 4.4.6 PCB-Contaminated Soils Removal and Disposal.
14. Site Safety & Health Plan, Page 38, Section 4.4.10 Sampling.
15. Site Safety & Health Plan, Page 65, Section 9.0 Site Control Measures & Section 9.1 Work Zones.
16. P. 12 HANK E. WILL SHIFT FROM ~~SSHO~~ TO CQE; TOBY PETERSEN WILL BECOME ~~SSHO~~.

Work efforts to be accomplished:

1. Excavation of PCB-contaminated Soil: Survey of Sites to be excavated and sampled, excavate PCB-contaminated soil (to the extent specified in the Sampling & Analysis plan) and place in bins for disposal, soils to be weighed over truck scales, Environmental sampler to screen excavations to determine if further excavation is needed or if Laboratory samples should be collected, collect laboratory samples and ship, after laboratory confirmation excavations will be sampled.
2. PCB-contaminated concrete Mitigation: Determine the concrete pad thickness of all of the documented concrete pads. Determine if the concrete pads are to be removed or mitigated. Remove concrete and place in bins to be weighed for disposal, mitigate concrete to specified depths, screen concrete and if screening is within limits collect laboratory samples.

## PREPARATORY INSPECTION CHECKLIST

### V. List of Specific Construction Tolerances/Testing

1. Sampling & Analysis Plan lists, in depth the locations (to be located by a qualified surveyor), depths of excavations, and areas of concrete to be mitigated.
2. Sampling and Analysis Plan lists the sample screening tolerances, number of laboratory samples to be collected (including QA/QC) and depths of the excavations, as well as, the total tonnage of PCB-contaminated soil to be excavated.
3. Case No. 2, Modification P000, Chemistry & Site Visit Changes, list changes to excavation and sampling areas.

Are all reference publications/manufacturer's recommendations on hand and reviewed? \_\_\_\_\_ N/A

### VI. Material/Equipment Review

Are all materials as submitted? \_\_\_\_\_ N/A

Do materials comply with Buy America Act? \_\_\_\_\_ N/A

Is equipment required? \_\_\_\_\_ Yes

Have equipment checklists been provided? \_\_\_\_\_ Yes

### VII. Safety/Job Hazard Analysis

Was Hazard Analysis submitted for review prior to prep? \_\_\_\_\_ Yes

Are there additions for JHA and were they incorporated? \_\_\_\_\_ No

Are Material Safety Data Sheets on hand and reviewed? \_\_\_\_\_ Yes

Does Resident Office have copies of 1566 and insurance? \_\_\_\_\_ Yes

Have items in Site Safety Health Plan been reviewed? \_\_\_\_\_ Yes

Is there a confined space? \_\_\_\_\_ NO

### VIII. Any Additional Concerns

Are there permits required for work? \_\_\_\_\_ No

Is notification for outage/work required? \_\_\_\_\_ No

What is time frame for any notifications? \_\_\_\_\_ N/A

What NAS Numbers are covered/used with this work? \_\_\_\_\_ Yes

Did CQC cover all elements on their checklists? \_\_\_\_\_ Yes

Has prep been completed successfully? \_\_\_\_\_ Yes

\_\_\_\_\_  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

Activity Hazard Analysis No. 4 Stained Soil & PCB Soil Removal and Disposal		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
General Activity	<p>Slips, trips, falls</p> <p>Back Injury</p> <p>Crushing Injuries</p> <p>Dropped Objects</p> <p>Eye Injury / Hearing Loss</p> <p>Struck by equipment/objects</p> <p>Contact with or inhalation of hazardous materials</p>	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE: <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control and Watchman</li> <li>• Limit personnel in area (site control)</li> <li>• Use impermeable PPE/Level C protection as warranted</li> </ul> <p>FOR EVERYTHING</p> <p>CONSCIOUS OF DUST CONTROL</p>

SAMPLING WILL BE SEPARATE FROM EXC.'N

<b>Activity Hazard Analysis No. 4</b> <b>Stained Soil &amp; PCB Soil Removal and Disposal (cont.)</b>		<b>Analyzed By/Date:</b> _____ <b>Reviewed By/Date:</b> _____
<b>Principal Tasks</b>	<b>Potential Hazards</b>	<b>Recommended Controls (Level D PPE site wide for all operations)</b>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
Vehicle Operation	Rollover  Material Spill/Contact	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> <li>• Inspect containers before transport</li> <li>• Spill Kits</li> <li>• Use impermeable PPE/Level C protection as warranted</li> </ul>
<b>Equipment to be Used</b>	<b>Inspection Requirements</b>	<b>Training Requirements</b>
Trucks, Hand Tools, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site specific training – Toolbox safety meetings</li> <li>• 40 hr Hazwoper</li> <li>• HazCom Training</li> </ul>

SOIL TO BE EMPLACED INTO CONTAINERS ((BAGS))  
 (NO SUPER-SACKS)



Activity Hazard Analysis No. 6 Concrete Pad Testing and Removal		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Site Prep	Slips, trips, falls  Back Injury  Crushing Injuries  Dropped Objects  Eye Injury / Hearing Loss  Contact with PCBs	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE:               <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE. SIDE SHIELDS TO EYE PROT<sup>n</sup>.</li> <li>• Wear required PPE</li> <li>• Use MSDS</li> </ul>

Activity Hazard Analysis No. 6 Concrete Pad Testing and Removal (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Cutting/Grinding concrete	Flying Debris	<ul style="list-style-type: none"> <li>Isolate area (site control)</li> <li>Wear face shield/eye protection</li> <li>Wear required PPE (Level C) – combination HEPA/OV</li> <li>Wear double hearing protection (muffs and plugs)</li> </ul>
	Inhalation of mineral dusts	<ul style="list-style-type: none"> <li>Wear required PPE (Level C – combination HEPA/OV)</li> </ul>
	Inhalation of PCBs	<ul style="list-style-type: none"> <li>Wear required PPE (Level C – combination HEPA/OV)</li> </ul>
Collection of PCB contaminated waste	Slips, trips, falls	<ul style="list-style-type: none"> <li>Use care during foot travel, and clear the area of slip and trip hazards</li> <li>Use barricades</li> <li>Use guardrails</li> <li>Cover holes.</li> </ul>
	Back Injury	<ul style="list-style-type: none"> <li>Use proper lifting technique.</li> <li>Buddy system for heavy lifts</li> <li>Use lifting/transport equipment</li> </ul>
	Crushing Injuries	<ul style="list-style-type: none"> <li>Use caution when setting loads.</li> <li>Machine guards/enclosures</li> <li>Wear required PPE.</li> </ul>
	Dropped Objects	<ul style="list-style-type: none"> <li>Use caution around equipment lift materials.</li> <li>Wear required PPE.</li> </ul>
	Contact with PCBs	<ul style="list-style-type: none"> <li>Wear required PPE</li> <li>Use MSDS</li> </ul>

MAJOR CONCRETE SECTIONS TO BE  
FRACTURED FOR BAKER BOXES.

Activity Hazard Analysis No. 6 Concrete Pad Testing and Removal (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Collection of PCB contaminated waste (cont.)	Inhalation of PCB contaminated dusts  Spill of waste material	<ul style="list-style-type: none"> <li>Wear required PPE (Level C – combination HEPA/OV)</li> <li>IF NO GRAZING, NO DUST CONCERN.</li> <li>Spill Kits</li> <li>Minimize personnel in area (site control)</li> </ul>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>Inspect equipment prior to daily operation.</li> <li>Ensure all roll cages and guards are in place and back up alarms operate</li> <li>OEM equipment modifications <u>only</u>.</li> <li>Machine guarding and enclosures</li> </ul>
Equipment to be Used	Inspection Requirements	Training Requirements
Trucks, Hand Tools, Hammer Drill, Concrete grinder	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>Utilize only trained and experienced operators for operation of equipment.</li> <li>Site specific training – Toolbox safety meetings</li> <li>40 hr Hazwoper</li> <li>HazCom Training</li> </ul>

SAFETY INSPECTION FOR MISCELLANEOUS EQUIPMENT  
U.S. Army Engineer District, New Orleans

Date of Inspection:

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

<b>EXCAVATION AND EMBANKMENT OPERATIONS</b>		Yes	No	N/A
NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.				
1	When operations are near highways; are danger, caution, traffic control signs and/or signal lights provided? (Section 08) See Table 8-1			
2	Are signal persons in reflectorized apparel provided to direct operations? (08.B.08)			
3	Does all moving equipment being operated at night have adequate head and tail lights? (16.A.07)(b) and 16.A.11)			
4	Are adequate brakes provided on mobile equipment? (16.A.07 (d) )			
5	Do hauling units have emergency braking systems, operated from operator's position, that works automatically when regular brakes fail? (16.A.07 (d) )			
6	Does maintenance or slow moving equipment have a flashing light to warn other traffic? (16.A.13)			
7	Where metal scaffold towers are used, are they properly secured, plumb, rigidly braced, and resting on solid foundations? (21.A.07)			
8	Where traffic or personnel cross pits or excavations do bridges have adequate guard rails? (21.B.01 and 21.F.02)			
9	Are adequate haul roads provided for hauling units? (21.I)			
10	What means are used to control dust? (21.I.10) (f)			
11	Are bracing, shoring, cribbing inspected daily and after rains? (25.A.02 (a)			
12	Are the sides of excavations shored up or cut to angle or repose? (25.A.03 (a) (25.C)			
13	Is ground water and surface water adequately controlled to prevent its entering the excavation? 25.A.06)(a)			
14	Is wire netting, rock bolts, fencing, etc. used to prevent rock falls? (25.A.07 (a)			
15	Have all stumps, boulders, or other materials that might slide or roll into an excavation been removed or barricaded? (25.A.07 (b)			
16	Is excavated material stored and retained at least 2ft. from the excavation's edge? Is it placed at a safe distance so as to prevent overloading on the face of the excavation? (25.A.07 (c)			
17	Where vehicular or haulage traffic is near excavation, are adequate stop logs provided so as to prevent equipment from falling into excavation? (25.A.08) (a)			
18	Is safe access into excavations provided? (25.B.05) <b>NOTE:</b> Ramps, stairs or mechanical man hoists shall be used for depths over 20ft. Properly placed and constructed ladders as well as ramps, stairs, or mechanical man hoists may be used up to 20ft.			
19	Are at least two means of exit provided workers in excavations? (25.B.05 (a) )			
20	Are adequate guard rails, barricades, lights and warnings provided as well as safe access? (25.B)			
21	Remarks			

SAFETY INSPECTION FOR MISCELLANEOUS EQUIPMENT  
U.S. Army Engineer District, New Orleans

Date of Inspection:

Contractor or Unit	Contract No. or Activity
Inspected by (Signature)	Witness (Signature)

<b>CRAWLER MOUNTED BACKHOES, POWER SHOVELS, EXCAVATORS, FRONT-END LOADERS</b>				
NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.				
		Yes	No	N/A
1	Is the unit equipped with a suitable fire extinguisher (5BC)? (16.A.26)			
2	Is a safe means of access to the cab provided (steps, grab bars, non-slip surfaces)? (16.B.03 (d) )			
3	Is the operator protected against weather, falling or flying objects? (16.B.10 and 16.B.11)			
4	Are seat belts and adequate rollover protection provided where applicable? (16.B.08 & 16.B.12)			
5	Are sufficient lights provided for night operations? (16.A.11)			
6	Have brakes been tested and found satisfactory? (16.A.07 (d) )			
7	Does the unit have an emergency brake system? (16.A.07 (d) )			
8	Can the emergency system be activated from cab? (16.A.07 (d) )			
9	Have air tanks been tested and certified? (20.A.01 (b) (c)			
10	Is an air pressure gage in working condition installed on the unit? (20.A.12)			
11	Does the air tank have an accessible drain valve? (20.B.18)			
12	Are the units equipped with windshield wipers, defrosting and defogging equipment that are in good operating condition? (16.A.07)(c)			
13	Is there an effective reverse signal where applicable? (16.B.01)			
14	Has the unit been inspected and certified mechanically safe by a qualified person before being placed in use? (16.A.01)			
15	Is the record of the test available? (16.A.01 (b) )			
16	Are pressurized cylinders, actuating booms, outriggers, etc., equipped with pilot check valves? (20.A.17)			
17	Are only designated qualified operators being assigned to operate mechanized equipment? (16.A.04)			
18	Are fuel tanks located in a manner to prevent spills or overflows from running onto engine, exhaust, or electrical equipment? (16.B.04)			
19	Are exhaust discharges from equipment so directed that they do not endanger persons or obstruct the view of the operator? (16.B.05)			

REMARKS:

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## 2.4 TASK-SPECIFIC ACTIVITIES

The Scope of Work requires that a variety of tasks and activities be accomplished for each of the work sites. Those tasks and activities include the following:

- **Barge Loading and Unloading.** Excavated soil and demolition debris will be packaged at the site in Conexes. Workers will remain at a safe distance during the loading of these Conexes and will not stand under the loader or adjacent to the Conex being loaded.
- **Concrete Pad Testing and Removal.** Concrete transformer pads are suspected of containing PCBs from spills. PCB-contaminated concrete will be mechanically removed to a depth of approximately 0.25 inch. Appropriate worker protection will be required for this activity in accordance with the activity hazard analysis (AHA) (Appendix A).
- **PCB Soil Removal and Disposal.** A limited amount of stained soil will be removed and excavated during operations. The soil will be taken to a lined stockpile area where it will be tested to determine disposal options in accordance with the EPP.
- **Cat Trail Repair.** The Cat Trail to the Upper Mountain is completely washed out in one location and is in generally poor condition in many other sections. The trail must be repaired to access the Upper Mountain with construction equipment, and significant repair work is necessary. Because the Cat Trail is very steep and exceeds the EM 385-1-1, Section 21.I.07b, maximum allowable grade of 10 percent, a waiver request was submitted to the USACE to use the trail with the existing grades and has been approved.
- **Debris Removal and Staging.** Many of the sites at the NE Cape facility have miscellaneous debris ranging in size from very small to large items, such as old D-8 tractors. This debris will be collected manually and by using heavy equipment. Most of the debris can be reached from existing roads; in some cases, it will be collected after road improvement is completed. In instances where equipment is required for debris removal in the tundra, low-ground-pressure equipment will be used. The debris will be hauled to one or more staging areas, as directed by the WDP. Debris will be wetted and covered as necessary before hauling to prevent visible emissions. Debris will be placed in appropriate storage containers and staged at the Conex Storage Area shown on Figure 11.
- **Water Collector Decommissioning.** Wells at the site will be decommissioned in accordance with Alaska Department of Environmental Conservation procedures and the WDP.
- **Tower Demolition.** Demolition of the tram system will involve special requirements described in the WDP. These include specialized use of fall protection and use of heavy equipment and/or vehicles on grades in excess of 10 percent, which is normally prohibited by the USACE's EM 385-1-1. Because of the extreme slopes of the natural terrain, which cannot be engineered to conform to the 10 percent slope rule, a waiver

1 contact by having the disposal crews wear chemical protective clothing and, if warranted, air-  
2 purifying respirators. These personal protective controls will be applied to all situations  
3 involving the handling of unknown materials.

4 OSHA Permissible Exposure Limits (PELs) and Threshold Limit Values (TLVs) established  
5 by the American Conference of Governmental Industrial Hygienists (ACGIH) have been  
6 identified in this SSHP for chemicals of concern that could present industrial hygiene hazards  
7 to workers at the NE Cape site. Differences between exposure limits set by these two entities  
8 will result in BEESC complying with the more restrictive limit(s).

#### 9 **4.1.1 Polychlorinated Biphenyls**

10 PCB is a generic term for a range of polychlorinated biphenyl compounds used commercially  
11 in heat transfer media and in the chemical/coatings industry. PCBs have been marketed  
12 commercially under the trade names Askarel® and Aroclor® with a designation referring to  
13 the percent weight of chlorine. Prolonged skin contact with PCBs may cause acne-like  
14 symptoms, known as chloracne. Irritation to eyes, nose, and throat may also occur. Acute  
15 and chronic exposure can cause liver damage and symptoms of edema, jaundice, anorexia,  
16 nausea, abdominal pain, and fatigue. PCBs are a suspect carcinogen. Skin exposure may  
17 contribute to uptake of these chemicals; therefore, skin exposure potential will be evaluated  
18 and controlled. The likelihood of exposure should be minimal because of the extremely low  
19 vapor pressure of PCBs, which prevents evaporation (and inhalation) of these compounds and  
20 the fact that these compounds are insoluble in water. The primary route of potential exposure  
21 for workers is anticipated to be through skin contact. Therefore, PPE will be in frequent use  
22 to prevent contact with PCBs. At a minimum, workers are required to wear appropriate  
23 gloves (latex or nitrile) when handling materials suspected of being contaminated with PCBs  
24 or when sampling transformer pads. The PEL and TLV time-weighted average (TWA) for  
25 PCBs with 54 percent chlorine content is 0.5 milligram per cubic meter ( $\text{mg}/\text{m}^3$ ), while the  
26 PEL and TLV TWA for PCBs with 42 percent chlorine is 1  $\text{mg}/\text{m}^3$ . Sources of PCBs include  
27 fluorescent light ballasts, transformer oil, waste oil, tank sediments, and transformer pads.  
28 There is also potential for PCB contamination in some painted surfaces.

1 associated with cold/hot work environments, noise, hand/arm vibration and ultraviolet (UV)  
2 light.

#### 3 **4.2.1 Heavy Equipment and Vehicle Operation**

4 Excavators, front-end loaders, haul trucks, graders, and other heavy equipment will be used  
5 on this project to demolish the tram and power towers, excavate contaminated soil, construct  
6 and repair roads, grade work areas, and remove debris. There is a potential for workers to be  
7 struck by these vehicles or to be injured by contact with exposed mechanical parts (i.e., gears  
8 and pulleys). In addition, there is a risk of vehicle accidents and of fire during refueling.  
9 AHA 10 provides specific guidance for refueling of vehicles and equipment. The majority of  
10 the fuels at the site will be diesel which has a low vapor pressure and is a relatively low fire  
11 risk. To control these hazards, regulated work areas will be established around each job site,  
12 and safe distances will be maintained between workers and mechanical equipment. Mobile  
13 equipment will be equipped with backup alarms, and spotters will be used to direct equipment  
14 operators, particularly when dumping soil and rock, operating cranes, and loading haul trucks.  
15 In addition, all exposed gears and pulleys on mechanical equipment will be guarded to  
16 eliminate pinch and grab hazards. Vehicles will be equipped with fire extinguishers, and  
17 spill-control equipment will be available during refueling operations in case a fuel, hydraulic  
18 fluid, or lubricant release occurs.

#### 19 **4.2.2 Vehicle Inspections**

20 All equipment and vehicles brought to the job site will be inspected for structural integrity,  
21 cleanliness, operational performance, and proper functioning of safety devices in accordance  
22 with the manufacturers' specifications before being put into service. Equipment not  
23 conforming to operational and safety requirements will be repaired and re-inspected. Daily  
24 inspections of vehicles and heavy equipment will follow the requirements of the equipment  
25 manufacturers and EM 385-1-1, Section 16. Inspection forms are included in Appendix C.

26 Industrial vehicles will have backup alarms, seat belts, brakes, and lights. The operator will  
27 take out of service any equipment that does not comply with the manufacturer's



1 specifications. Deficiencies will be noted and referred to the SS, who, in turn, will ensure that  
2 all repairs are made before the vehicle is returned to service.

### 3 **4.2.3 Operator Qualifications**

4 Equipment operators must be qualified to operate the specific type of equipment or vehicle to  
5 which each has been assigned. In addition, each operator must be proficient in the type of  
6 equipment he/she will be using. The SS will ensure that a proficiency test is administered to  
7 each operator for each type of equipment operated. Equipment operators may also be  
8 required to be certified to operate certain types of OSHA-regulated vehicles, such as forklifts.  
9 The SS will maintain a list of each operator and the equipment the operator is qualified to  
10 operate.

### 11 **4.2.4 Equipment and Vehicle Safe Work Practices**

12 Operators, drivers, and passengers must wear seat belts at all times. Drivers and operators  
13 must comply with state regulations governing the safe and legal operation of vehicles. Each  
14 driver is responsible for ensuring that passengers are seated and properly secured before  
15 moving the vehicle. Under no circumstance will personnel ride on fenders, running boards, or  
16 vehicle tops; in buckets; on the lift forks of a forklift; on beds of dump trucks or pickup  
17 trucks; or in any other area where a passenger cannot be secured by a properly installed seat  
18 belt. Operators of heavy equipment must follow the regulations specific for the type of  
19 equipment they are operating. Operators and drivers will obey signs, postings, and  
20 instructions.

21 Those personnel directly involved with spotting for an operator are typically the personnel  
22 allowed on the ground in the vicinity of the heavy equipment. Other personnel will remain a  
23 safe distance away from operations. Personnel needing to approach heavy equipment while  
24 the equipment is operating will observe the following protocols:

- 25 ■ Make eye contact with the operator (and spotter),
- 26 ■ Signal the operator to cease heavy equipment activity, if applicable, and
- 27 ■ Approach the equipment operator and inform the operator of intentions.

use of “warm-up sheds” as necessary. The SSHO, for example, will monitor ambient temperatures in the work area, track thermal workloads, and determine the need for personal protective and administrative controls. In addition, all site workers will be instructed in the recognition and control of thermal stress symptoms and in treatment procedures. To guard against cold injury, appropriate clothing and warm shelters for rest periods will be provided. ACGIH practices for cold stress will be implemented. A summary of the cold stress prevention guidelines is provided as Appendix D. A copy of the ACGIH TLV handbook will be available on site.

#### **4.2.9 Unexploded Ordnance/Explosives**

If unexploded ordnance (UXO) is found or suspected, workers will stop work and immediately clear the area. The location of the UXO will be noted, and the SS will be contacted for further instructions. Under no circumstances will suspected UXO locations be left unmarked before workers leave the area.

#### **4.2.10 Excavations and Earthwork**

PCB-contaminated soils will be excavated at Site 31 (Figure 8) and in the AFS Ops Area (Figure 9). Open excavations present a fall hazard to personnel and equipment working near them. They can also collapse on and bury workers who enter them. To control these hazards, soil conditions, excavation methods, and site entry/control will be closely monitored by the SSHO.

Excavated soils will not be placed closer than 3 feet to the edge of an excavation, and excavations greater than 4 feet in depth will be sloped 1.5 horizontal to 1 vertical as necessary to ensure stability and prevent collapse. Under no circumstances will workers be allowed to enter excavations deeper than 4 feet unless the excavations have been appropriately sloped. If at all possible, work will be conducted in a manner that precludes the need for workers to enter excavations, with the exception of soil sample collection. When sampling is necessary, only trained workers will be used, and the SSHO will monitor the entire sampling activity.

#### **4.2.11 Slips, Trips, and Falls**

There is a potential for site personnel to fall off heavy equipment, ladders, towers, and other structures, and to fall into open excavations. In addition, debris within the work area (i.e., drums, containers, building debris, abandoned equipment, etc.) could present a trip hazard for site personnel. Also, the entire project site is subject to wet weather that makes most walking surfaces slick and increases the potential for slips and falls.

These slip, trip, and fall hazards will be addressed by keeping the work area as free as possible of debris and other litter. Before beginning site activities, the site will be inspected for hazards. Removable objects that present hazards will be marked, and holes (if any) will be covered or marked. Site workers will wear high-traction, steel-toed safety boots and will pay careful attention to surface conditions to prevent slip, trip, and fall injuries. The work area will be inspected before the start of each workday to identify any hazards that could cause injury. The results of these inspections will be communicated to site personnel during the daily toolbox safety meetings.

#### **4.2.12 Lockout/Tagout**

Portable electrical generators are used to supply power to the base camp and demolition equipment. The generators will be maintained by site personnel, including a qualified operator, as directed by the SS. There are no other sources of electrical energy at the job site, besides the portable generators, that would require lockout/tagout. When it becomes necessary to install or repair portable electrical power systems, appropriate lockout/tagout protocols will be followed. Implementation of this lockout/tagout program will be administered by the SSHO, in accordance with EM 385-1-1 and the BEESC Safety and Health Program Manual.

#### **4.2.13 Hot Work**

Hot work is welding, cutting, open flame, grinding, or other spark-producing activities. Hot work will be performed on a very limited basis at the NE Cape site. Hot work methods may be necessary to support demolition of steel tram towers and may be used on an incidental

1 used to spread seed. Site workers will be advised to be aware of vehicular traffic and will be  
2 required to wear reflective vests when working around equipment. Operators will be  
3 informed daily and as often as necessary of the workers' whereabouts. Another physical  
4 hazard is associated with lifting heavy bags of seed. Lifting bags weighing more than 60  
5 pounds will require two workers. Workers will be instructed in proper lifting techniques to  
6 minimize the potential for injury.

7 Site restoration will include the use of heavy equipment to blade out excavated terrain, debris  
8 removal areas, and areas where demolition has taken place. Physical hazards associated with  
9 this activity are posed by the use of heavy equipment in areas where workers are performing  
10 specific tasks. All site workers will wear reflective vests to increase visibility while working  
11 around heavy equipment. Workers will be trained about the operator's visibility limitations.  
12 Operators will be informed daily and as often as necessary of the workers' whereabouts.  
13 Manual lifting may be required during the site restoration activities. Site workers will be  
14 trained in proper lifting techniques to minimize the potential for injury.

#### 15 **4.4.6 PCB-contaminated Soils Removal and Disposal**

16 PC-contaminated soil will be removed and disposed of in accordance with the WDP. The  
17 stained soil will be excavated manually and/or with heavy equipment, depending on the  
18 quantity of soil. Workers will be trained about the operator's visibility limitations. Operators  
19 will be informed daily and as often as necessary of the workers' whereabouts. A designated  
20 transportation route will be established to isolate the area of vehicular traffic. This route will  
21 be communicated to the site workers. Site workers will also wear reflective vests to increase  
22 their visibility. Soil removed manually will be dug with shovels and placed in the appropriate  
23 container. There is a potential for injury if proper lifting techniques are not used. The  
24 workers will be trained in proper lifting techniques.

#### 25 **4.4.7 Water Collector Decommissioning**

26 Water collector decommissioning will be performed in accordance with the WDP. The CMP  
27 will be extracted with heavy equipment, and the void will be backfilled with borrow material.

1 spotter to ensure the material is placed on the barge correctly and the equipment does not  
2 drive off the barge. The spotter will be in the line of sight of the operator for communication.

#### 3 **4.4.10 Sampling**

4 Sampling activities will be performed in accordance with the SAP. Environmental samples  
5 will be collected from different matrices. Hazards associated with sampling are primarily  
6 chemical in nature and are discussed in Section 4.1 of this SSHP. The level of PPE used will  
7 depend on the type and location of samples being collected. The physical hazards include  
8 sprains and strains from improper lifting or overexertion and cuts from sharp metal edges, as  
9 well as slips, trips, and falls. Sampling crews may be required to walk on uneven or slick  
10 surfaces. Running and "horse play" will not be tolerated on site, and workers will "stop and  
11 look" when entering a new area.

#### 12 **4.4.11 Tram and Line Tower Demolition**

13 Tram tower demolition will be accomplished in accordance with the WDP. A crew from the  
14 top of the mountain will access Tram Towers 5 through 7 in Debris Field No. 1. The towers  
15 will be dropped using man-portable cutting equipment. Workers will use appropriate PPE  
16 during cutting operations, and site access will be carefully controlled during tower dropping.

17 The downhill tower structural supports will be cut through near the concrete foundation pads.  
18 With slight tension applied to a cable attached to the upper part of each tower, the uphill  
19 tower structural supports will be cut through except for the flange of angle iron facing uphill.  
20 A winch will pull the tower over as it pivots about the uphill flange. Once on the ground and  
21 secure, the remaining flanges will be cut through. The debris will be winched up the  
22 mountain where an excavator equipped with a hydraulic shear will cut the debris to size. It  
23 will then be strapped into manageable bundles and loaded on tracked trailers. Strapping and  
24 transport of the bundles will require protective measures similar to those to be applied during  
25 debris pickup, as discussed in Section 4.4.1 of this SSHP.

## 9.0 SITE CONTROL MEASURES

### 9.1 WORK ZONES

Traditional hazardous waste operations work zones will be established when mitigating PCB-contaminated concrete and excavating PCB-contaminated soil. An EZ, a CRZ, and a support zone (SZ) will be established. An EZ is the area in which contamination and other site hazards are either known to be present or are likely to be present. A CRZ is the area in which hazardous substances are removed *located by survey of sites* from site personnel and their equipment as they exit the EZ. An SZ is a noncontaminated area in which support services, storage of nonhazardous materials, and administrative activities may occur. No smoking, eating, or drinking will be allowed within the EZs and CRZs. Signal cones, barricades, or other portable means will demarcate zones.

The configuration of the work zones will depend on the type of activity being performed. For most sites, the work zones will feature an EZ around the area to be remediated and/or sampled, a CRZ through which workers will pass and in which they will remove PPE and wash their boots, and an SZ or clean area. The configuration of these work zones may change on the basis of field findings.

Excavations and other hazards will be barricaded to prevent people and vehicles from entering work zones.

### 9.2 BUDDY SYSTEM

The buddy system will be employed at all times during site activities. Employees will be required to be within the visual or aural presence of at least one other person when in a designated work zone.

### 9.3 COMMUNICATIONS

A variety of communications systems will be used for on-site and off-site communication. These include hand radios, telephones, air horns, hand signals, and posting of information.

1    **3.4    SITE SAFETY AND HEALTH OFFICER, MR. HANK SEIPT**

2    The SSHO will be responsible for overall planning and compliance with safety and health  
3    activities. He/she will conduct daily safety meetings and address worker safety concerns.  
4    The SSHO will be responsible for communicating safety issues and concerns, and reporting  
5    safety incidents to the SS and the Project Manager. The SSHO will be responsible for the  
6    following:

- 7        ■ Assisting with on-site training and representing the SHM during the day-to-day on-site  
8        implementation and enforcement of the SSHP; being present on site on a full-time  
9        basis for the duration of field activities (the SSHO will have no duties other than  
10       safety- and health-related duties; if operations are performed during more than one  
11       work shift per day, an SSHO will be present for each shift);
- 12       ■ Ensuring site compliance with specified safety and health requirements; federal, state,  
13       and OSHA regulations; and all aspects of the SSHP including, but not limited to,  
14       AHA, air monitoring, use of PPE, decontamination, site control, standard operating  
15       procedures used to minimize hazards, safe use of engineering controls, the Emergency  
16       Response Plan, confined space entry procedures, the spill containment program, and  
17       preparation of records by performing a daily safety and health inspection and  
18       documenting results on the Daily Safety Inspection Log;
- 19       ■ Stopping work if unacceptable health or safety conditions exist, and taking necessary  
20       action to re-establish and maintain safe working conditions;
- 21       ■ Consulting with and coordinating any modifications to the SSHP with the SHM, the  
22       SS, and the Contracting Officer;
- 23       ■ Serving as a member of BEESC's QC staff on matters relating to safety and health,  
24       conducting accident investigations, and preparing accident reports;
- 25       ■ Reviewing results of daily QC inspections and documenting safety and health findings  
26       in the Daily Safety Inspection Log; and
- 27       ■ Recommending corrective actions for identified deficiencies, in coordination with site  
28       management and the SHM, and overseeing the corrective actions.

29    **3.5    OCCUPATIONAL PHYSICIAN, DR. ALEXANDER T. BASKOUS**

30    The Occupational Physician (OP) designated by BEESC for the White Alice Tram and Debris  
31    Removal project is Dr. Alexander T. Baskous. Dr. Baskous has been briefed about the project  
32    hazards and the project scope. He will determine medical surveillance protocols and review  
33    examination/test results performed in compliance with 29 CFR 1910.120(f) and 29 CFR  
34    1926.65(f), Medical Surveillance. The OP has received a copy of the project specifications

## SECTION 16

# MACHINERY AND MECHANIZED EQUIPMENT

## 16.A GENERAL

16.A.01 Before any machinery or mechanized equipment is placed in use, it shall be inspected and tested in accordance with the manufacturer's recommendations and requirements of this manual and shall be certified in writing by a competent person to meet the manufacturer's recommendations and requirements of this manual. Subsequent reinspections will be conducted at least annually thereafter. All safety deficiencies noted during the inspection shall be corrected prior to the equipment being placed in service at the project. If at anytime the machinery or mechanized equipment is removed and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

a. The Contractor shall keep records of tests and inspections. These records shall be made available in a timely manner upon request of the GDA and, when submitted, shall become part of the official project file.

b. The Contractor shall provide the GDA ample notice in advance of any equipment entering the site so that he/she may observe the Contractor's inspection process and so that spot checks may be conducted.

### 16.A.02 Daily/shift inspections and tests.

a. All machinery and equipment shall be inspected daily (when in use) to ensure safe operating conditions. The employer shall designate competent persons to conduct the daily inspections and tests.

b. Tests shall be made at the beginning of each shift during which the equipment is to be used to determine that the brakes



and operating systems are in proper working condition and that all required safety devices are in place and functional.

16.A.03 Whenever any machinery or equipment is found to be unsafe, or whenever a deficiency that affects the safe operation of equipment is observed, the equipment shall be immediately taken out of service and its use prohibited until unsafe conditions have been corrected.

- a. A tag indicating that the equipment shall not be operated, and that the tag shall not be removed, shall be placed in a conspicuous location on the equipment. **>See Section 8.** Where required, lockout procedures shall be used. **> See Section 12.**
- b. The tag shall remain in its attached location until it is demonstrated to the individual deadlining the equipment that it is safe to operate.
- c. When corrections are complete, the machinery or equipment shall be retested and re-inspected before being returned to service.

16.A.04 Machinery and mechanized equipment shall be operated only by designated qualified personnel.

- a. Machinery or equipment shall not be operated in a manner that will endanger persons or property nor shall the safe operating speeds or loads be exceeded.
- b. Getting off or on any equipment while it is in motion is prohibited.
- c. Machinery and equipment shall be operated in accordance with the manufacturer's instructions and recommendations.
- d. The use of headphones for entertainment purposes (e.g., AM/FM radio or cassette) while operating equipment is prohibited.

16.A.05 When the manufacturer's instructions or recommendations are more stringent than the requirements of this manual, the manufacturer's instructions or recommendations shall apply.

16.A.06 Inspections or determinations of road and shoulder conditions and structures shall be made in advance to assure that clearances and load capacities are safe for the passage or placing of any machinery or equipment.

16.A.07 Equipment requirements.

- a. Seats or equal protection must be provided for each person required to ride on equipment.
- b. Equipment operated on the highway shall be equipped with headlights, taillights, brake lights, backup lights, and turn signals that are visible from the front and rear.
- c. All equipment with windshields shall be equipped with powered wipers. Vehicles that operate under conditions that cause fogging or frosting of windshields shall be equipped with operable defogging or defrosting devices.
- d. Mobile equipment, operating within an off-highway job site not open to public traffic, shall have a service brake system and a parking brake system capable of stopping and holding the equipment while fully loaded on the grade of operation. In addition, it is recommended that heavy-duty hauling equipment have an emergency brake system that will automatically stop the equipment upon failure of the service brake system. This emergency brake system should be manually operable from the driver's position.

16.A.08 Maintenance and repairs.

- a. Maintenance, including preventive maintenance, and repairs shall be in accordance with the manufacturer's recommendations and shall be documented. Records of

maintenance and repairs conducted during the life of a contract shall be made available upon request of the GDA.

b. All machinery or equipment shall be shut down and positive means taken to prevent its operation while repairs or manual lubrications are being done. Equipment designed to be serviced while running are exempt from this requirement.

c. All repairs on machinery or equipment shall be made at a location that will protect repair personnel from traffic.

d. Heavy machinery, equipment, or parts thereof that are suspended or held apart by slings, hoist, or jacks also shall be substantially blocked or cribbed before personnel are permitted to work underneath or between them.

16.A.09 Bulldozer and scraper blades, end-loader buckets, dump bodies, and similar equipment shall be either fully lowered or blocked when being repaired or when not in use. All controls shall be in a neutral position, with the engines stopped and brakes set, unless work being performed on the machine requires otherwise.

16.A.10 Stationary machinery and equipment shall be placed on a firm foundation and secured before being operated.

16.A.11 All mobile equipment and the areas in which they are operated shall be adequately illuminated while work is in progress.

16.A.12 Equipment powered by an internal combustion engine will not be operated in or near an enclosed area unless adequate ventilation is provided to ensure the equipment does not generate a hazardous atmosphere.

16.A.13 All vehicles that will be parked or are moving slower than normal traffic on haul roads shall have a yellow flashing light or four-way flashers visible from all directions.

16.A.14 No one shall be permitted in the truck cab during loading operations except the driver, and then only if the truck has a cab protector. > **See also 18.B.17a.**

16.A.15 Mechanized equipment shall be shut down before and during fueling operations. Closed systems, with an automatic shut-off that will prevent spillage if connections are broken, may be used to fuel diesel powered equipment left running.

16.A.16 Towing.

- a. All towing devices used on any combination of equipment shall be structurally adequate for the weight drawn and securely mounted.
- b. Persons shall not be permitted to get between a towing vehicle and the piece of towed equipment until both have been completely stopped with all brakes set and wheels chocked on both vehicle and equipment.

16.A.17 All machinery or equipment operating on rails, tracks, or trolleys (except railroad equipment) shall be provided with substantial track scrapers or track clearers (effective in both directions) on each wheel or set of wheels.

16.A.18 Parking.

- a. Whenever equipment is parked, the parking brake shall be set.
- b. Equipment parked on an incline shall have the wheels chocked or track mechanisms blocked and the parking brake set.
- c. All equipment left unattended at night, adjacent to a highway in normal use or adjacent to construction areas where work is in progress, shall have lights or reflectors, or barricades equipped with lights or reflectors, to identify the location of the equipment.

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16.A.19 No modifications or additions that affect the capacity or safe operation of machinery or equipment shall be made without the manufacturer's written approval.

a. If such modifications or changes are made, the capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.

b. In no case shall the original safety factor of the equipment be reduced.

16.A.20 Steering or spinner knobs shall not be attached to the steering wheel unless the steering mechanism prevents road reactions from causing the steering handwheel to spin. When permitted, the steering knob shall be mounted within the periphery of the wheel.

16.A.21 Safeguards shall be provided to prevent machinery and equipment operating on a floating plant from going into the water.  
> **See also 16.F.06.**

16.A.22 All powered-industrial trucks shall meet the requirements of design, construction, stability, inspection, testing, maintenance, and operation defined in ANSI/ASME B56.1.

16.A.23 All powered-industrial trucks, lift trucks, stackers, and similar equipment shall have the rated capacity posted on the vehicle so as to be clearly visible to the operator. When the manufacturer provides auxiliary removable counterweights, corresponding alternate rated capacities also shall be clearly shown on the vehicle. The ratings shall not be exceeded.

16.A.24 Only trained and authorized operators shall be permitted to operate a powered-industrial truck. Training must be both classroom and practical operation of the same type of truck the student uses on the job. Training shall be provided in accordance with OSHA Standard 29 CFR 1910.178. The employer must certify that the operator has been trained and evaluated as required by the standard. The certification shall include the name of the operator.

the date of the training, the date of the evaluation, and the identity of the person(s) performing the training or evaluation. Refresher training shall be provided as indicated by the standard.

16.A.25 When a powered-industrial truck is left unattended, load engaging means shall be fully lowered, controls shall be neutralized, power shall be shut off, and brakes shall be set. Wheels shall be blocked if the truck is parked on an incline.

16.A.26 An overhead guard shall be used as protection against falling objects. It should be noted that an overhead guard is intended to offer protection from the impact of small packages, boxes, bagged material, etc., representative of the job application, but not to withstand the impact of a falling capacity load.

16.A.27 Dock board or bridge plates shall be properly secured before they are driven over. Dock board or bridge plates shall be driven over carefully and slowly and their rated capacity shall never be exceeded.

16.A.28 Under all travel conditions the powered-industrial truck shall be operated at a speed that will permit it to be brought to a stop in a safe manner.

16.A.29 On all grades the load and load engaging means shall be tilted back if applicable, and raised only as far as necessary to clear the road surface.

16.A.30 When ascending or descending grades in excess of 10%, loaded powered-industrial trucks shall be driven with the load upgrade.

16.A.31 The controls of loaders, excavators, or similar equipment with folding booms or lift arms shall not be operated from a ground position unless so designed.

16.A.32 Personnel shall not work in, pass under, or ride in the buckets or booms of loaders in operation.

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16.A.33 Tire service vehicles shall be operated so that the operator will be clear of tires and rims when hoisting operations are being performed. Tires large enough to require hoisting equipment will be secured from movement by continued support of the hoisting equipment unless bolted to the vehicle hub or otherwise restrained.  
> **Also see 16.B.06.**

16.A.34 Each bulldozer, scraper, dragline, crane, motor grader, front-end loader, mechanical shovel, backhoe, and other similar equipment shall be equipped with at least one dry chemical or CO<sub>2</sub> fire extinguisher with a minimum rating of 5-B:C.

16.A.35 Fill hatches on water haul vehicles shall be secured or the opening reduced to a maximum of 8 in (20.3 cm).

## 16.B GUARDING AND SAFETY DEVICES

16.B.01 Reverse signal (back-up) alarm.

a. All self-propelled construction and industrial equipment, whether moving alone or in combination, shall be equipped with a reverse signal alarm. > **Equipment designed and operated so that the operator is always facing the direction of motion does not require a reverse signal alarm.**

b. Reverse signal alarms shall be audible and sufficiently distinct to be heard under prevailing conditions.

c. Alarms shall operate automatically upon commencement of backward motion. Alarms may be continuous or intermittent (not to exceed 3-second intervals) and shall operate during the entire backward movement.

d. Reverse signal alarms shall be in addition to requirements for signal persons.

16.B.02 A warning device or signal person shall be provided where there is danger to persons from moving equipment, swinging loads, buckets, booms, etc.

12/14 ?

16.B.03 Guarding.

- a. All belts, gears, shafts, pulleys, sprockets, spindles, drums, flywheels, chains, or other reciprocating, rotating, or moving parts of equipment shall be guarded when exposed to contact by persons or when they otherwise create a hazard.
- b. All hot surfaces of equipment, including exhaust pipes or other lines, shall be guarded or insulated to prevent injury and fire.
- c. All equipment having a charging skip shall be provided with guards on both sides and open end of the skip area to prevent persons from walking under the skip while it is elevated.
- d. Platforms, foot walks, steps, handholds, guardrails, and toe boards shall be designed, constructed, and installed on machinery and equipment to provide safe footing and access ways.
- e. Equipment shall be provided with suitable working surfaces of platforms, guard rails, and hand grabs when attendants or other employees are required to ride for operating purposes outside the operator's cab or compartment. Platforms and steps shall be of nonskid material.
- f. Substantial overhead protection shall be provided for the operators of forklifts and similar material handling equipment.

16.B.04 Fuel tanks shall be located in a manner that will not allow spills or overflows to run onto engine, exhaust, or electrical equipment.

16.B.05 Exhaust or discharges from equipment shall be so directed that they do not endanger persons or obstruct the view of the operator.

16.B.06 A safety tire rack, cage, or equivalent protection shall be provided and used when inflating, mounting, or dismounting tires



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installed on split rims, or rims equipped with locking rings of similar devices. > **Also see 16.A.33.**

16.B.07 No guard, safety appliance, or device shall be removed from machinery or equipment, or made ineffective, except for making immediate repairs, lubrications, or adjustments, and then only after the power has been shut off. All guards and devices shall be replaced immediately after completion of repairs and adjustments and before power is turned on.

16.B.08 Seatbelts and anchorages meeting the requirements of 49 CFR 571 shall be installed and worn in all motor vehicles (installation and usage on buses is optional). Two-piece seat belts and anchorages for construction equipment shall comply with applicable Federal specifications or Society of Automotive Engineers (SAE) Standard J386.

16.B.09 All high rider industrial trucks shall be equipped with overhead guards that meet the structural requirements defined in paragraph 4.21 of ANSI/ASME B56.1.

16.B.10 Suitable protection against the elements, falling or flying objects, swinging loads, and similar hazards shall be provided for operators of all machinery or equipment. Glass used in windshields or cabs shall be safety glass.

16.B.11 Falling object protective structures (FOPS).

a. All bulldozers, tractors, or similar equipment used in clearing operations shall be provided with guards, canopies, or grills to protect the operator from falling and flying objects as appropriate to the nature of the clearing operations.

b. FOPS for other construction, industrial, and grounds-keeping equipment will be furnished when the operator is exposed to falling object hazards.

c. FOPS will be certified by the manufacturer or a licensed engineer as complying with the applicable recommended practices of SAE Standards J231 and J1043.

16.B.12 Rollover protective structures (ROPS).

a. In addition to the requirements of 16.B.08 and 16.B.11, seat belts and ROPS shall be installed on:

- (1) Crawler and rubber-tire tractors including dozers, push and pull tractors, winch tractors, and mowers;
- (2) Off-the-highway self-propelled pneumatic-tire earth movers such as trucks, pans, scrapers, bottom dumps, and end dumps;
- (3) Motor graders;
- (4) Water tank trucks having a tank height less than the cab; and
- (5) Other self-propelled construction equipment such as front-end loaders, backhoes, rollers, and compactors.

b. ROPS are not required on:

- (1) Trucks designed for hauling on public highways;
- (2) Crane-mounted dragline backhoes;
- (3) Sections of rollers and compactors of the tandem steel-wheeled and self-propelled pneumatic tired type that do not have an operator's station;
- (4) Self-propelled, rubber-tired lawn and garden tractors and side boom pipe laying tractors operated solely on flat terrain (maximum 10° slope; 20° slope permitted when off-loading from a truck) not exposed to rollover hazards; and

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(5) Cranes, draglines, or equipment on which the operator's cab and boom rotate as a unit.

c. ROPS may be removed from certain types of equipment when the work cannot be performed with the ROPS in place and when ROPS removal is justified and delineated in an AHA and accepted in writing by the GDA.

d. The operating authority shall furnish proof from the manufacturer or certification from a licensed engineer that the ROPS complies with SAE Standards J167, J1040, J1042, J1084, and J1194, as applicable.

e. ROPS shall also be acceptable if they meet the criteria of any State ~~that~~ has a Department of Labor approved OSHA program or meet Water and Power Resources Service requirements.

f. The following information permanently affixed to the ROPS is acceptable in lieu of a written certification:

(1) Manufacturer's or fabricator's name and address;

(2) ROPS model number, if any; and

(3) Machine make, model, or series number that the structure is designed to fit.

g. Field welding on ROPS shall be performed by welders who are certified by the contractor as qualified in accordance with ANSI/AWS D1.1, Naval Sea Systems Command (NAVSEA) S9074-AQ-GIB-010/248, or the equivalent.

16.B.13 All points requiring lubrication during operation shall have fittings so located or guarded to be accessible without hazardous exposure.

16.B.14 All machinery or equipment and material hoists operating on rails, tracks, or trolleys shall have positive stops or limiting devices either on the equipment, rails, tracks, or trolleys to prevent overrunning safe limits.

16.B.15 Under the following circumstances, long-bed end-dump trailers used in off-road hauling should be equipped with a roll-over warning device. The device should have a continuous monitoring display at the operator station to give the operator a quick and easily read indicator and audible warning of an unsafe condition.

- a. The material being dumped is subject to being stuck or caught in the trailer rather than exiting the bed freely, and
- b. The dumpsite cannot be maintained in a nominally level condition (lateral slope less than  $1^{\circ}$  -  $2^{\circ}$ ).

#### **16.C CRANES AND DERRICKS - GENERAL**

16.C.01 Unless otherwise specified, the requirements of this Section are applicable to all cranes and derricks of the types listed in Table 16-1.

16.C.02 Every crane shall have the following documents with them (in the cab) at all times they are to be operated:

- a. A copy of the operating manual developed by the manufacturer for the specific make and model of the crane; a copy of the operating manual for any crane operator aids with which the crane is equipped.
- b. A copy of the load-rating chart for the crane/derrick in use (separate or included in the operating manual), which shall include:
  - (1) The crane make and model, serial number, and year of manufacturer;

## SECTION 25

### EXCAVATIONS

#### 25.A GENERAL

##### 25.A.01 Planning.

N/A

a. Prior to opening an excavation, underground installations (e.g., sewer, communication lines, water, fuel, electric lines) shall be located and protected from damage or displacement. Utility companies and other responsible authorities shall be contacted to locate and mark the locations and, if they so desire, direct or assist with protecting the underground installations. When required, the Contractor shall obtain a "Digging Permit" (excavation permit) from Base Civil Engineers or other authority having jurisdiction prior the initiation of any excavation work. Requests for the permits will be processed through the GDA.

b. Where excavations are to be performed in areas known or suspected to be contaminated with explosives, unexploded munitions, or military ordnance, surface and subsurface clearance by qualified explosive ordnance disposal (EOD) personnel shall be accomplished prior to excavation work.

##### 25.A.02 Excavation inspection and testing.

a. When persons will be in or around an excavation, a competent person shall inspect the excavation, the adjacent areas, and protective systems daily, as needed throughout the work shifts, and after every rainstorm or other hazard-increasing occurrence.

b. If evidence of a situation that could result in possible cave-ins, slides, failure of protective systems, hazardous atmospheres, or other hazardous condition is identified, exposed workers shall be removed from the hazard and all work

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in the excavation stopped until all necessary safety precautions have been implemented.

c. In locations where oxygen deficiency or gaseous conditions are known or suspected, air in the excavation shall be tested prior to the start of each shift or more often if directed by the GDA. A log of all test results shall be maintained at the work site. > **See Sections 5 and 6.**

25.A.03 Protective systems.

a. The sides of all excavations in which employees are exposed to danger from moving ground shall be guarded by a support system, sloping or benching of the ground, or other equivalent means.

*4<sup>th</sup> state of AK*

b. Excavations less than 5 ft (1.5 m) in depth and which a competent person examines and determines there to be no potential for cave-in do not require protective systems.

c. Sloping or benching of the ground shall be in accordance with 25.C.

d. Support systems shall be in accordance with 25.D.

e. Protective systems shall have the capacity to resist without failure all loads that are intended or could reasonably be expected to be applied to the system.

f. Shoring shall be used for unstable soil or depths >5 ft (>1.5 m) unless benching, lay-back, or other acceptable plan is implemented by the Contractor.

25.A.04 Stability of adjacent structures. *N/A*

a. Except in stable rock, excavations below the level of the base of footing of any foundation or retaining wall shall not be permitted unless:

(1) A support system, such as underpinning, is provided to ensure the stability of the structure and to protect employees involved in the excavation work or in the vicinity thereof; or

(2) A registered professional engineer has approved the determination that the structure is sufficiently removed from the excavation so as to be unaffected by the excavation and that the excavation will not pose a hazard to employees.

b. If the stability of adjoining buildings or walls is endangered by excavations, shoring, bracing, or underpinning designed by a qualified person shall be provided to ensure the stability of the structure and to protect employees.

c. Sidewalks, pavements, and related structures shall not be undermined unless a support system is provided to protect employees and the sidewalk, pavement, or related structure.

25.A.05 Where it is necessary to undercut the side of an excavation, overhanging material shall be safely supported.

25.A.06 Protection from water.

a. Diversion ditches, dikes, or other means shall be used to prevent surface water entering an excavation and to provide good drainage of the area adjacent to the excavation.

b. Employees shall not work in excavations in which there is accumulated water or in which water is accumulating unless the water hazards posed by accumulation is controlled.

(1) Freezing, pumping, drainage, and similar control measures shall be planned and directed by a registered engineer. Consideration shall be given to the existing moisture balances in surrounding soils and the effects on foundations and structures if it is disturbed.

(2) When continuous operation of ground water control equipment is necessary, an emergency power source shall

be provided. Water control equipment and operations shall be monitored by a competent person to ensure proper operation.

25.A.07 Protection from falling material.

a. Employees shall be protected (by scaling, ice removal, benching, barricading, rock bolting, wire mesh, or other means) from loose rock or soil that could create a hazard by falling from the excavation wall: special attention shall be given to slopes that may be adversely affected by weather, moisture content, or vibration.

b. Materials, such as boulders or stumps, that may slide or roll into the excavation shall be removed or made safe.

c. Excavated material shall be placed at least 2 ft (0.6 m) from the edge of an excavation or shall be retained by devices that are sufficient to prevent the materials from falling into the excavation. In any case, material shall be placed at a distance to prevent excessive loading on the face of the excavation.

*Most will be placed in containers.*

25.A.08 Mobile equipment and motor vehicle precautions.

a. When vehicles or mobile equipment are used or allowed adjacent to an excavation, substantial stop logs or barricades shall be installed. The use of a ground guide is recommended.

*Excavation Controlled*

b. Workers shall stand away from vehicles being loaded or unloaded to avoid being struck by spillage or falling materials.

c. Excavating or hoisting equipment shall not be allowed to raise, lower, or swing loads over personnel in the excavation without substantial overhead protection.

25.A.09 Employees shall not be permitted to work on the faces of sloped or benched excavations at levels above other employees except when employees at lower levels are adequately protected from the hazard of falling material or equipment.



25.A.10 When operations approach the location of underground utilities, excavation shall progress with caution until the exact location of the utility is determined. Workers shall be protected from the utility and the utility shall be protected from damage or displacement.

25.A.11 Employees shall wear a harness with a lifeline securely attached to it when entering excavations classified as confined spaces or that otherwise present the potential for emergency rescue. > **See 5.F.**

## **25.B SAFE ACCESS**

25.B.01 Protection shall be provided to prevent personnel, vehicles, and equipment from falling into excavations. Protection shall be provided according to the following hierarchy. > **See Appendix Q for definitions of Class I, Class II, and Class III perimeter protection.**

- a. If the excavation is exposed to members of the public (e.g., other than those individuals engaged in project-specific work at the site) or vehicles or equipment, then Class I perimeter protection is required;
- b. If the excavation does not meet the requirements for Class I perimeter protection but is (1) routinely exposed to employees, and (2) either is deeper than 6 ft (1.8 m) or contains hazards (e.g., impalement hazards, hazardous substances), then Class II perimeter protection is the minimum protection required. When workers are in the zone between the warning barricades/flagging and the excavation, they shall be provided with fall protection as specified in Section 21;
- c. If the excavation does not meet the requirements for either Class I or Class II perimeter protection, then Class III perimeter protection is the minimum protection required.

25.B.02 All wells, calyx holes, pits, shafts, etc., shall be barricaded or covered.

EM 385-1-1

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25.B.03 Excavations shall be backfilled as soon as possible. Upon completion of exploration and similar operations, test pits, temporary wells, calyx holes, etc., shall be backfilled immediately.

*Sites to remain open until lab confirmation. Keep up demarcation zones*

25.B.04 Walkways or bridges with standard guardrails shall be provided where people or equipment are required or permitted to cross over excavations.

25.B.05 Where personnel are required to enter excavations over 4 ft (1.2 m) in depth, sufficient stairs, ramps, or ladders shall be provided to require no more than 25 ft (7.6 m) of lateral travel.

a. At least two means of exit shall be provided for personnel working in excavations. Where the width of the excavation exceeds 100 ft (30.4 m), two or more means of exit shall be provided on each side of the excavation.

b. When access to excavations in excess of 20 ft (6 m) in depth is required, ramps, stairs, or mechanical personnel hoists shall be provided.

25.B.06 Ramps. > **See 21.B and 21.F**

a. Ramps used solely for personnel access shall be a minimum width of 4 ft (1.2 m) and provided with standard guardrails.

b. Ramps used for equipment access shall be a minimum width of 12 ft (3.6 m). Curbs not less than 8-in x 8-in (20.3-cm x 20.3-cm) timbers, or equivalent protection, shall be provided. Equipment ramps shall be designed and constructed in accordance with accepted engineering practice.

25.B.07 Ladders used as accessways shall extend from the bottom of the excavation to not less than 3 ft (0.9 m) above the surface.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 007**

Date or Time Period  
**Friday July 1, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Continued mobilization and equipment/camp set up.</li><li>3. Built containment around fuel tanks in camp.</li><li>4. 4 BEESC personnel (Seipt, Croley, Thorton and Petersen) and one Fairweather personnel (Leslie) arrive on site.</li><li>5. 2 Terra personnel (Roberts and Thorton) depart site.</li><li>6. Reworked beach road with D8.</li><li>7. End of shift was at 1830 hrs.</li><li>8. Total personnel on site: 14.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Friday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
		<b>7-1-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		4	
Chuck Croley	Alt. CQCSM		4	
Toby Petersen	SSHO		4	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		4	
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1/2 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brandy Roberts	IT Tech			Today
Logan Thorton	IT Tech			Today
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor			
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

Miscellaneous air cargo and crew personnel items.

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Instructions Given by the Government, to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Four BEESC personnel and one Fairweather medical personnel arrived. Two IT technicians left the island.
- Computer system installation completed. Crew continued mobilization activities (site and camp set up). Office set up initiated.

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Comments:

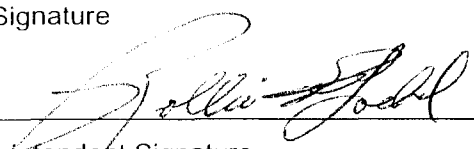
- None.
-



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Site Superintendent Signature

7-2-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. A sub-ktr Fairweather Medical P.A. is on-site; 4 BEESC personnel inclusive of the CQCSM & CQC Officer, and SS&HO. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *AGE/QAR* *15 JULY '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 008**

**Date or Time Period**  
**Saturday July 2, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

Weather station not established. No weather readings taken today.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Site orientation meeting completed for all on-island personnel.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1 Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Continued site mobilization and camp set up.</li><li>3. 1 Surveyor (Howland) arrived.</li><li>4. Total personnel on site: 15.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-2-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor		1/2 Day	
<b>USACE</b>				
Sam Mills	QAR			



# Equipment On Site

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

Parts for satellite dish arrived via air. One surveyor arrived.

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Instructions Given by \_\_\_\_\_ to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Feeder horn to internet satellite broken. Waiting on part to get internet and phone lines up and running. Part for satellite dish (TV) arrived.
- Crew continued mobilization activities (site and camp set up). Continued office set up.
- One surveyor arrived on island.

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Comments:

- None.
-

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Harry M. Seipt  
CQCSM Signature

7/4/05  
Date

Rollee G. Gabel  
Site Superintendent Signature

7-3-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. More satellite dish parts arrive; A sub-ktr surveyor is on-site. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ACE/QAR* *15 JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/N E Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 009**

Date or Time Period  
**Sunday July 3, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45  
Weather station established.

Temp High: 50-55

AM/PM: Low cloud cover and sustained winds of 10-20 MPH throughout day.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Surveyor established corners and perimeter of soil excavation sites.</li><li>3. Day off for labor crew.</li><li>4. SSHO and CQC paper work day.</li><li>5. Total personnel on site: 15.</li></ol>

**Manpower On Site**

Personnel	Classification	Sunday	Hours	Off Island
<b>BEESC</b>		<b>7-3-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent			
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman			
Kim Leach	Driver/Operator			
Bill Thorton	Operator		8	
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic			
Troy Whitmore	Oiler/Mechanic			
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer			
Sam Mokiuyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
SylviaToolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

# Equipment On Site

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	
Activity: Surveys and Benchmarks, CL000206			100%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Feeder horn fixed. Satellite communication system up and running.
- Completed CLIN Activity CL000206, Surveys and Benchmarks.
- Day off for BEESC field personnel.

Comments:

- None.

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CLOOO206	7/3/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seigt

7/4/05

CQCSM Signature

Date

Rollis Seibel

July 7, 05

Site Superintendent Signature

Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site; General day-off for the BEESC crew. Survey work CLIN 206-2 completed today; (Benchmarks set for soil excavation areas ). CLIN items are attached at the end of the Daily. Sat-comm' is reportedly running this day. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

B.A. Mills ACE 15 July  
/QAR '05

QAR Signature

Date

Supervisor's Initials

Date



### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 010**

Date or Time Period  
**Monday July 4, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45

Temp High: 50-55

AM/PM: Low cloud cover and sustained winds of 10-20 MPH throughout day. Sporadic light rain.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

ATV training for all crew members started.

---

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1 Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Set up weigh scale and scale house.</li><li>3. Completed mobilization activities.</li><li>4. ATV training.</li><li>5. Total personnel on site: 15.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-4-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiuyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100									
Chevy Blazer (QAR)	50-139									
GMC Extended Cab 4X4 Pickup	50-133									
GMC Sierra 1500 (CQC)	50-117									
Ford F150 XL Ext. Cab P/U (SSHO)	50-113									
Chevy Blazer 4X4	50-136									
Ford Super Crew Cab 4X4 Pickup	50-138									
GMC Crew Cab P/U	50-115									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330									
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M	T	W	TH	F	S	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911									
Honda Rancher 4 Wheeler	50-912									
Honda Rancher 4 Wheeler	50-915									
Arctic Cat 4 Wheeler	50-917									
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204									

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: Site Mobilization, CL000103	----	----	100%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activity, CLOOO101, Site Mobilization.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CLOOO206	7/3/05	CLOOO101	7/4/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Script  
CQCSM Signature

7/5/05  
Date

Rollie Gehl  
Site Superintendent Signature

7-5-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

---

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

---

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. Site Mob' CLIN 103-1 completed today. CLIN items are attached at the end of the Daily. ATV training conducted for crew by National ATV Institute-certified visiting CQCSM Chuck Croley. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ABSE/QAR* *15 JULY '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 011**

Date or Time Period  
**Tuesday July 5, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45

Temp High: 60-65

AM: Calm, low cloud cover and fog in AM.

PM: Calm, sunny, and warm in PM.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Continued ATV training of personnel.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
CL00103-1Site Mobilization	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Used hydraulic jackhammer to test thickness of concrete at Building 108, Building 109, and the MEC Building.</li><li>3. Staged Baker boxes at Building 108, Building 109, and the Building 1001 MEC. Removed PCB-impacted concrete will be placed in the boxes.</li><li>4. Completed electronics set up for weigh scale.</li><li>5. Total personnel on site: 15.</li></ol>



**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	7-5-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320									
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329									
Ford Utility/Mechanic Tk.	50-200									
Ford Lube/Fuel Tk	50-201									
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5							
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505									
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800									
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204		9.5							

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1 Day 7/5/05	0	1
Activity: CL00301, Work Site Access—Lower Mountain			
Activity: CL001001, CTP-1			
Activity: CL001002, CTP-2			100% (7/5/05)
Activity: CL001003, CTP-3			
Activity: CL001004, Bldg 1001 MEC, Rooms A & G			
Activity: CL001601, Bldg 109			
Activity: CL001602, Bldg 108			
Activity: CL001603, Bldg 1001 MEC, Rooms C, D & F			

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Initiated CLIN 4 (Activity CL000401, Field Overhead).
- Initiated CLIN 3 (Activity, CL00301, Work Site Access—Lower Mountain)
- Initiated CLINS 0010 (Activity, CL001001, CL001002, CL001003, CL001004) and 0016 (CL001601, CL001602, and CL001603)—PCB-Contaminated Concrete Mitigation.
- Pad CTP13-2 (Activity CL001002) not present at described location. Activity completed.
- No material (soil or concrete) was removed today.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CLOOO206	7/3/05	CLOOO101	7/4/05	CL001002	7/5/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/6/05  
Date

John Deibel  
Site Superintendent Signature

7-6-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN 1002-010 ( Concrete transformer slab at North end of Bldg 110 ) completed; Lower mtn work commenced. CLIN items are attached at the end of the Daily. QAR was ready to mob' to the island site tomorrow Wed., 06 July, but 1600 hours, the QAR is notified by District that planned Nome-to-island carrier, Cape Smythe Air, is not approved for DoD charters off normally scheduled routes. The QAR researched the issue for BEESC PM Steve Johnson and by day-end, forwarded a list of DoD-approved air carriers for charters. Quick calls to other air carriers reveal tight bookings.

The air flight for the QAR for tomorrow is tentatively cancelled until the BEESC PM and the QAR can confirm approved carriers and reservations possibilities. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ABE* *15 JULY*  
*QAR* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated (7/5/05)
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
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CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
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CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
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CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above gmd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 012**

Date or Time Period  
**Wednesday July 6, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45

Temp High: 50-55

AM: Breezy (10-20 MPH winds) and sunny in AM.

PM: Windy (sustained +20 MPH) and sunny in PM.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Site orientation meeting conducted for seven arriving BEESC personnel.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Set up compressor and generator for plasma cutting class at lower tank farm.</li><li>3. Continued testing concrete slabs at Building 109 and Building 1001 MEC.</li><li>4. Slab demolish area at Building 108, Building 109 and Building 1001 MEC delineated.</li><li>5. 2 BEESC personnel (Matson and S. Toolie) arrived in AM.</li><li>6. 1 Surveyor departed island.</li><li>7. 5 BEESC personnel (Pederson, G. Toolie, Mokiyyuk, Kava, and Rookok) arrive in PM.</li><li>8. Total personnel on site: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Wednesday	Hours	Off Island
<b>BEESC</b>		<b>7-6-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		4	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		4	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		4	
Sam Mokiuk	Laborer		4	
Truman Kava	Laborer		4	
Paul Rookok	Laborer		4	
Sylvia Toolie	Office Staff		4	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
Terrance Howland	Surveyor		1 Day	Today
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200			6						
Ford Lube/Fuel Tk	50-201									
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320			1						
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329			2						
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5	1.5						
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501									
Cat 988B loader w/bucket & forks	50-505			2						
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800			1.5						
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200									
Hitachi EX120 Excavator	51-204		9.5	8						

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?  
 Are there any Government-caused delays or potential finding of fact?  
 Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒  
 Yes ☐ No ☒  
 Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	1	2
Activity: CL00301, Work Site Access—Lower Mountain			
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL001004, Bldg 1001 MEC, Rooms A & G			
Activity: CL001601, Bldg 109			
Activity: CL001602, Bldg 108			
Activity: CL001603, Bldg 1001 MEC, Rooms C, D & F			

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Howland (surveyor) departed island. S. Toolie, G.Toolie, Pederson, Kava, Matson, Moki Yuk, and Rookok arrive on site.
- Breaking concrete pads. No concrete removed.
- Internet and telephone communications not working.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CLOOO206	7/3/05	CLOOO101	7/4/05	CL001002	7/5/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seibt  
CQCSM Signature

7/7/05  
Date

Robert J. Schell  
Site Superintendent Signature

7-7-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. More lower mtn and concrete slab work at Bldgs 108, 109 & the MEC 1001, with AST sections cutting underway. BEESC PM Steve Johnson confirms this morning, that although Cape Smythe Air is DoD-approved for normal public routing and reservations, the air carrier is not DoD-approved for charters off regularly-scheduled routes. Currently no other approved charters are available for QAR-mob'. Planned QAR-mob' flight to the island today is cancelled until a DoD-approved carrier can be ascertained and reservation made.

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Miller* *AGE* *15 JULY*  
*QAR* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## DAILY SITE SAFETY INSPECTION REPORT

**Date:** 07/06/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Three point contact for ingress/egress of heavy equipment  
Safety concerns when working around heavy equipment and use of a spotter  
Park vehicle into wind to prevent doors swinging open  
General site safety rules reviewed.

**Clin No:** CL001601

**Task to be accomplished:** PCB contaminated Concrete removal, Bldg 109.

### **Observations/Comments:**

Observed heavy equipment operations to facilitate the removal of pad 109. Utilizing an excavator with a drill point attachment, holes approximately 4 inches in depth, 3 inches in diameter and approximately 15 inches between each hole were create to assist removal. This operation was briefed by the Ops Foreman (Mac McDonald), Equipment Operator was Bill Thornton. All personnel were in the proper PPE for the work task assigned. During the drilling operation all non essential personnel were cleared of the work area. Works was conducted up wind of the pad. There were no personnel on the down wind side of the pad during drilling operations.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 013**

**Date or Time Period**  
**Thursday July 7, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45

Temp High: 50-55

AM: Windy (sustained +20 MPH) and sunny.

PM: Breezy (sustained <20 MPH) and sunny.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: Yes (PCB-Contaminated Concrete Mitigation)  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Continued ATV training.

Plasma cutting training for labor crew.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Breaking concrete slabs at Buildings 108, 109, and 1001 MEC.</li><li>3. Initiated loading of broken PCB-contaminated concrete into Baker box at Building 109.</li><li>4. Plasma cutting training.</li><li>5. Total personnel on site: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Thursday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	7-7-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Jeffrey Bigelow	IT Project Manager			
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			



**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200			6						
Ford Lube/Fuel Tk	50-201				2.5					
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320			1						
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329			2	2					
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5	1.5						
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									
RFR10 Log Loader (Bailey Truck)	50-426									

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Cat 980C loader w/bucket & forks	50-501				2.5					
Cat 988B loader w/bucket & forks	50-505			2	3					
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800			1.5	2					
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200				10					
Hitachi EX120 Excavator	51-204		9.5	8	5.5					

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Materials Received to be Used on or Incorporated into Site

None.

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Instructions Given by the Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	2	3
Activity: CL00301, Work Site Access—Lower Mountain			100%
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL001004, Bldg 1001 MEC, Rooms A & G			
Activity: CL001601, Bldg 109			
Activity: CL001602, Bldg 108			
Activity: CL001603, Bldg 1001 MEC, Rooms C, D & F			

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Initiated PCB-contaminated concrete removal from Building 109.
- Completed CLIN Activity CL000301, Work Site Access--Lower Mountain.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CLOOO206	7/3/05	CLOOO101	7/4/05	CL001002	7/5/05	CL00301	7/7/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seigt  
CQCSM Signature

7/8/05  
Date

Rollie Ebel  
Site Superintendent Signature

7-8-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily . Lower mtn, Work site access CLIN 301-3 completed this day. An approved DoD aircraft for charter is still un-available for the QAR to mob' to the island.

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S. A. Mills* *ABE* *15 JULY*  
*QAR '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



### INITIAL PHASE CHECKLIST

CONTRACT NO.: W911KB-04-C-0019

DATE: July 7, 2005, 8:00-8:45

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE WORK: Mitigate PCB-contaminated Concrete

GOVERNMENT REPRESENTATIVE NOTIFIED \_\_\_\_\_ HOURS IN ADVANCE (QAR off island).

**I. Personnel Present, Including Work Crew:**

	NAME	POSITION	COMPANY
1.	Henry Seipt	CQCSM	BEESC
2.	Rollie Goebel	Site Superintendent	BEESC
3.	Mac McDonald	Foreman	BEESC
4.			
5.			
6.			
7.			
8.			
9.			
10.			

**II. Indicate Exact Location of Feature / Item Inspected: Building 108, Building 109, and MEC Building.**

**III. Materials and Equipment Being Used Are In Strict Compliance With Contract**

**Requirements:** Yes. Heavy equipment to complete breaking of concrete and loading of concrete delineated in the scope of work are present on NE Cape. Also, receptacles (metal Baker boxes) to contain the PCB-contaminated concrete are present at NE Cape.

If Not, Explain: \_\_\_\_\_

**IV. Procedures and / or Work Methods Witnessed Are In Strict Compliance With Contract**

**Requirements:** Yes. PCB-contaminated concrete is to be broken up with a mechanical hydraulic jackhammer, loaded into Baker boxes, sealed, weighed, and the Baker boxes stockpiled for subsequent sea shipment from NE Cape to a designated hazardous material landfill in Oregon for disposal.

If Not, Explain: \_\_\_\_\_

**V. Construction Tolerances and Workmanship Standards Are In Strict Compliance**

**With Contract Requirements :** Yes. Concrete removal will follow the method delineated in section 4.3.7 of the Work and Demolition Plan, which, is complete removal of PCB-contaminated concrete.

State Areas Where Improvement is Needed: \_\_\_\_\_

**VI. Required Inspection and Tests Are Demonstrated and In Strict Compliance With**

**Contract Requirements:** Yes. Field screen samples will be analyzed at a BEESC on-site laboratory in adherence with specified EnSys testing protocols. Laboratory testing for PCB in concrete will be completed by a USACE/BEESC agreed upon analytical laboratory using EPA Method 8082. All samples will be collected, labeled, packaged, and transported in accordance with EPA guidelines.

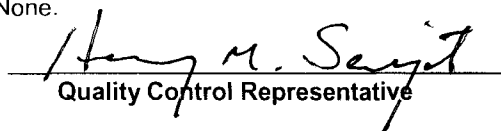
If Not, Explain: \_\_\_\_\_

**VII. Safety Procedures of Hazard Analysis Followed:** Yes. Chemical hazards of PCB and the physical hazards for removal of the PCB-contaminated concrete are addressed in the Activity Hazard Analysis section of the SSHP.

If Not, Explain Corrective Action: \_\_\_\_\_

**VIII. Instruction Received From Government Representative (Include Any Discussion On Testing, Control Procedures, and Definitive Description of the Agreed On Quality of Workmanship):**

1. None.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

<b>Activity Hazard Analysis No. 4</b> <b>Stained Soil &amp; PCB Soil Removal and Disposal</b>		<b>Analyzed By/Date:</b> _____ <b>Reviewed By/Date:</b> _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
General Activity	Slips, trips, falls  Back Injury  Crushing Injuries  Dropped Objects  Eye Injury / Hearing Loss  Struck by equipment/objects  Contact with or inhalation of hazardous materials	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE:               <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control and Watchman</li> <li>• Limit personnel in area (site control)</li> <li>• Use impermeable PPE/Level C protection as warranted</li> </ul>

Activity Hazard Analysis No. 4 Stained Soil & PCB Soil Removal and Disposal (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
<b>Principal Tasks</b>	<b>Potential Hazards</b>	<b>Recommended Controls (Level D PPE site wide for all operations)</b>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
Vehicle Operation	Rollover  Material Spill/Contact	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> <li>• Inspect containers before transport</li> <li>• Spill Kits</li> <li>• Use impermeable PPE/Level C protection as warranted</li> </ul>
<b>Equipment to be Used</b>	<b>Inspection Requirements</b>	<b>Training Requirements</b>
Trucks, Hand Tools, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site specific training – Toolbox safety meetings</li> <li>• 40 hr Hazwoper</li> <li>• HazCom Training</li> </ul>

## DAILY SITE SAFETY INSPECTION REPORT

**Date:** 07/07/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Level D PPE requirements  
High wind hazards  
Plasma cutting: use fire watch and have fire extinguisher on hand  
General site safety rules reviewed

**Clin No:** Not applicable, Sanitation (waste removal)

**Task to be accomplished:** The removal and re-installation of Patco (portable toilet) collection bag system.

***Observations/Comments:***

Personnel assigned to the staff of Kuukpik Arctic Catering have the responsibility for providing all sanitation services IAW the Site Specific Health Plan (SSPH). I observed Timothy Gregory of (KAC) performing the removal/ re-installation of the waste collection system for (2) Patco toilets. PPE worn for the specific task were: Eye protection (safety glasses), Particle mask and double glove protection. After completion of the first system, a glove change was performed and hands were washed. The same sequence of events occurred for the second system. All waste materials were then transported to the treatment facility for immediate burning.

***Recommendations/Comments:*** At a minimum a face shield should be provided to enhance the effectiveness of the PPE. A shield will increase the surface area of coverage surrounding multiple points of entry into the body and reduce possible exposure to blood borne pathogens or other infectious diseases.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 014**

**Date or Time Period**  
**Friday July 8, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 55-60

AM: Fog/Low clouds, calm, and some light precipitation. PM: Calm to light winds (< 10 MPH), sunny and warm.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: Yes. PCB Contaminated Soil Removal.  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Removing and/or loading into Baker boxes of PCB-contaminated concrete from Buildings 108, 109, and 1001 MEC.</li><li>3. Readjusted and calibrated truck scale.</li><li>4. Initiated weighing of PCB-contaminated concrete in Baker boxes.</li><li>5. Started digging burn pit for air curtain.</li><li>6. Began moving and stockpiling scrap metal at lower tank farm.</li><li>7. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Friday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-8-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM		11	Today
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200			6						
Ford Lube/Fuel Tk	50-201				2.5					
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320			1						
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329			2	2	5				
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5	1.5						
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									



Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426		9.5	8	5.5					
Cat 980C loader w/bucket & forks	50-501				2.5	1				
Cat 988B loader w/bucket & forks	50-505			2	3	10				
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800			1.5	2					
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200				10	5.5				
Hitachi EX120 Excavator	51-204		9.5	8	5.5	11				

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Materials Received to be Used on or Incorporated into Site

Yes. New parts for communications system arrived via air.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/9/05  
Date

Hollie Schubert  
Site Superintendent Signature

7-9-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. More CLIN's accomplished for concrete slab work at 108, 109 and the South end of 1001. Hoped-for flight for the QAR mob' today, delayed - No DoD-approved flights available; QAR to stand-by and be ready to go Saturday; Weather is predicted to get worse through the weekend. CQCSM & approved-ATV trainer Chuck Croley off-site today.

Concrete weighing initiated today; Fire pit initiated in excavation today. QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *AGE/* *15 JULY*  
*QAR '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	3	4
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL001004, Bldg 1001 MEC, Rooms A & G	63.215 tons*		95%
Activity: CL001601, Bldg 109			95%
Activity: CL001603, Bldg 1001 MEC, Rooms C, E & F			95%
Activity: CL001602, Bldg 108			

**Accumulative tonnage of concrete removed: 63.215**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Croley departed island.
- Discrepancies noted in contract modifications provided to BEESC at USACE's 6/29 meeting.
- Initiated PCB-contaminated concrete weighing. Tonnage removed from Buildings 109 and 1001 MEC Rooms A, C, D, E & F: 63.215.
- Completed CLIN activities CL001601, CL001603 and CL001004.

Comments:

- None.

### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05		

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 1 1/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 1 1/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

### INITIAL PHASE CHECKLIST

CONTRACT NO.: W911KB-04-C-0019

DATE: July 8, 2005, 08:30-09:30

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE WORK: Remove PCB-contaminated Soil

GOVERNMENT REPRESENTATIVE NOTIFIED \_\_\_\_\_ HOURS IN ADVANCE (QAR off island).

**I. Personnel Present, Including Work Crew:**

	NAME	POSITION	COMPANY
1.	Henry Seipt	CQCSM	BEESC
2.	Rollie Goebel	Site Superintendent	BEESC
3.	Mac McDonald	Foreman	BEESC
4.	Larry Pederson	Environmental Sampler	BEESC
5.			
6.			
7.			
8.			
9.			
10.			

**II. Indicate Exact Location of Feature / Item Inspected:** Building 98, Building 110, Building 1001 MEC, and along the Cargo Road at Site 7.

**III. Materials and Equipment Being Used Are In Strict Compliance With Contract**

**Requirements.** Yes. Heavy equipment to complete excavation, loading, and hauling of soil delineated in the scope of work are present on NE Cape. Also, receptacles (metal Baker boxes) to contain the PCB-contaminated soil are present at NE Cape.

If Not, Explain: Plastic liners ordered by BEESC from the Baker box supplier did not arrive with the Baker boxes. Soil excavation will be delayed until the liners arrive.

**IV. Procedures and / or Work Methods Witnessed Are In Strict Compliance With Contract**

**Requirements:** Yes. PCB-contaminated soil is to be removed by an excavator, loaded into Baker boxes, sealed, weighed, and the Baker boxes stockpiled for subsequent sea shipment from NE Cape to a designated hazardous material landfill in Oregon for disposal.

If Not, Explain: There is an excavation depth discrepancy between the original scope of work and the modification presented to BEESC during the preparatory meeting along the west side of Building 110 that needs to be discussed with the QAR.

**V. Construction Tolerances and Workmanship Standards Are In Strict Compliance**

**With Contract Requirements :** Yes. Soil removal will follow the method delineated in section 4.3.8 of the Work and Demolition Plan. Perimeter points for the various soil excavations were surveyed (GPS) and square footage of each pit calculated for determining the number of samples required to be collected from the respective pits.

State Areas Where Improvement is Needed: \_\_\_\_\_

**VI. Required Inspection and Tests Are Demonstrated and In Strict Compliance With**

**Contract Requirements:** Yes. Field screen samples will be analyzed at a BEESC on-site laboratory in adherence with specified EnSys testing protocols. Laboratory testing for PCB in soil will be completed by a USACE-certified analytical laboratory using EPA Method 8082. All samples will be collected, labeled, packaged, and transported in accordance with EPA guidelines.

If Not, Explain: \_\_\_\_\_

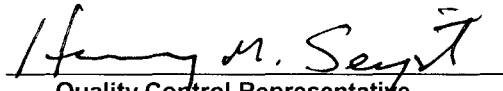
**VII. Safety Procedures of Hazard Analysis Followed:** Yes. Chemical hazards of PCB and the physical hazards for removal of the PCB-contaminated soil are addressed in the Activity Hazard Analysis (AHA) section of the SSHP. Level C PPE is anticipated for only those personnel directly involved in the collection of concrete samples. The BEESC foreman will go over the AHA data with operators and laborers that are going to be involved in the soil removal task.

If Not, Explain Corrective Action: \_\_\_\_\_



**VIII. Instruction Received From Government Representative (Include Any Discussion On Testing, Control Procedures, and Definitive Description of the Agreed On Quality of Workmanship):**

1. None.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

<b>Activity Hazard Analysis No. 4</b> <b>Stained Soil &amp; PCB Soil Removal and Disposal</b>		<b>Analyzed By/Date:</b> _____ <b>Reviewed By/Date:</b> _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
General Activity	Slips, trips, falls	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> </ul>
	Back Injury	<ul style="list-style-type: none"> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> </ul>
	Crushing Injuries	<ul style="list-style-type: none"> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE:               <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> </ul>
	Dropped Objects	<ul style="list-style-type: none"> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> </ul>
	Eye Injury / Hearing Loss	<ul style="list-style-type: none"> <li>• Wear required PPE.</li> </ul>
	Struck by equipment/objects	<ul style="list-style-type: none"> <li>• Wear required PPE</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control and Watchman</li> </ul>
	Contact with or inhalation of hazardous materials	<ul style="list-style-type: none"> <li>• Limit personnel in area (site control)</li> <li>• Use impermeable PPE/Level C protection as warranted</li> </ul>

Activity Hazard Analysis No. 4 Stained Soil & PCB Soil Removal and Disposal (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>Inspect equipment prior to daily operation.</li> <li>Ensure all roll cages and guards are in place and back up alarms operate</li> <li>OEM equipment modifications <u>only</u>.</li> <li>Machine guarding and enclosures</li> </ul>
Vehicle Operation	Rollover  Material Spill/Contact	<ul style="list-style-type: none"> <li>Stay within the speed limit specified.</li> <li>Follow manufacturer's recommended payload.</li> <li>Inspect containers before transport</li> <li>Spill Kits</li> <li>Use impermeable PPE/Level C protection as warranted</li> </ul>
Equipment to be Used	Inspection Requirements	Training Requirements
Trucks, Hand Tools, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>Utilize only trained and experienced operators for operation of equipment.</li> <li>Site specific training – Toolbox safety meetings</li> <li>40 hr Hazwoper</li> <li>HazCom Training</li> </ul>

## **DAILY SITE SAFETY INSPECTION REPORT**

**Date:** 07/08/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Location of emergency evacuation horns reviewed  
PPE for plasma cutting  
Communications system---not currently operational  
General site safety rules reviewed

**Clin No:** CL001602-16

**Task to be accomplished:** PCB-contaminated concrete removal, Bldg 108.

**Observations/Comments:** The concrete pad associated with bldg 108 was broken into sections on 7/7/05. Operator/Oiler Troy Whitmore using an excavator placed the material into the Baker box below. PPE used during this evolution was IAW the Health and Safety Plan .Supervision for the task was Mac MacDonald.

**Recommendations/Comments:** No comments noted the report.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 015**

**Date or Time Period**  
**Saturday July 9, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Stormy with high winds (sustained 25 MPH+ with >50 MPH gusts). PM: Sunny with high winds (sustained 25 MPH+ with >50 MPH gusts).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No.

Initial: No

Follow-up: Yes. Concrete demolition site checks.

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

High sustained winds with gusts in excess of 50 MPH encountered at work site. Work suspended after three hours due to work safety concerns.

---

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 0700 hrs.</li><li>2. Moved Baker boxes from beach and staged them in the AFS Ops area.</li><li>3. Continued removing concrete from Building 108.</li><li>4. Continued plasma cutting of metal in lower tank scrap area.</li><li>5. Work suspended for the day after three hours due to high winds.</li><li>6. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Saturday	Hours	Off Island
<b>BEESC</b>		<b>7-9-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		3	
Hank Seipt	CQCSM		3	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		3	
Larry Pederson	Environmental Sampler		3	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		3	
Kim Leach	Driver/Operator		3	
Bill Thorton	Operator		3	
John Wheeler	Operator			
Olaf Matson	Driver		3	
Rick Beasley	Mechanic		3	
Troy Whitmore	Oiler/Mechanic		3	
Carl Calugen	Laborer Foreman		3	
Eugene Toolie	Laborer		3	
Sam Mokiuk	Laborer		3	
Truman Kava	Laborer		3	
Paul Rookok	Laborer		3	
Sylvia Toolie	Office Staff		3	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200			6						
Ford Lube/Fuel Tk	50-201				2.5					
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320			1						
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329			2	2	5	1.5			
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5	1.5						
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352									
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									



Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501				2.5	1	2			
Cat 988B loader w/bucket & forks	50-505			2	3	10	3			
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800			1.5	2					
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200				10	5.5				
Hitachi EX120 Excavator	51-204		9.5	8	5.5	11				

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	4	5
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL001602, Bldg 108			

**Accumulative tonnage of concrete removed: 63.215**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Work suspended after three hours due to sustained high winds that caused dangerous work conditions.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/10/05  
Date

[Signature]  
Site Superintendent Signature

7-10-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. QAR notified in the morning by BEESC PM Steve Johnson that Security Aviation has been nominated as a DoD-approved carrier but that no flights may be available this day due to high winds ( 50 plus knots ) & foul weather; As reported, crew stops-work at 1000 hours due to wind hazards. QAR mob' this day confirmed cancelled in the early afternoon. QAR to stand-by for potential flight tomorrow Sunday, 10 July.

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

B.A. Mills AOE / 15 JULY  
/ QAR '05

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 9, 2005

Definable Feature: Mitigate PCB-contaminated Concrete

Government Representative Notified \_\_\_\_\_ Hours in Advance (QAR off island)

CLLIN Activities: CL000904 and CL000906.

### I. Personnel Present:

Name	Position	Company/Government
H. Script	CQCSM	BEESC

### II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.

Comments: An option in BEESC's Work and Demolition Plan was the complete removal of PCB-contaminated concrete. The PCB-contaminated concrete was removed at Building 109, Building 109, and Building 1001 MEC. An upper concrete slab approximately 6 to 7 inches thick was removed by an excavator from Buildings 108 and 109. The removal exposed a second layer of concrete. The underlying concrete slab at Buildings 108 and 109 will be sampled in accordance with BEESC's SAP. No concrete slab was found under Building 1001 MEC. The removed concrete was placed in Baker boxes, weighed, and the boxes stockpiled near AFS Ops.

### III. Completed Work

Ensure work is complete and in compliance with contract requirements. If not, what action is taken?

Concrete removal for the three aforementioned buildings was completed in accordance with contract requirements. Sample was not initiated immediately after slab removal due to inclement weather.

### IV. Resolve any differences.

Record Drawings Updated: None

Date

Corrective Action Log Updated: None

Date

Comments: \_\_\_\_\_

### V. Check Safety.

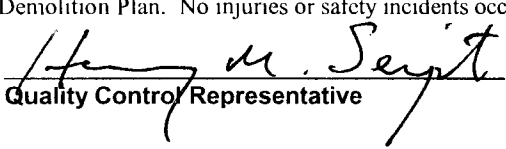
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 9, 2005

Date

Comments: The removal and loading of PCB-contaminated concrete took place as envisioned in the Work and Demolition Plan. No injuries or safety incidents occurred during completion of related field activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative



**Date:** 07/09/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
High winds and awareness when opening vehicle doors  
PPE Level D for field work  
PPE limitations (Page 53 of SSHP)  
General site safety rules reviewed

**Clin No:**

**Task to be accomplished:**

**Observations/Comments:** At 0835 Superintendent Rollie Goebel called for a weather stand down until 1000. Winds within the Construction Camp Facility were between 20-35 mph. Winds with the AFS Ops area were substantially higher, with gusts in excess of 60 mph. Conditions continued, at 1000 local the day was officially called due to weather. Operational planning is limited by the following factors:

1. Inability to access the internet.
2. Lack of specific weather forecasts for this region/operating area.

**Recommendations/Comments:** This report submitted for continuity purposes.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 016**

**Date or Time Period**  
**Sunday July 10, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Stormy, moderate to high precipitation, moderate winds (10-20 MPH with higher gusts) throughout day.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: Yes. Remove Debris on Lower Mountain, Roads, Pads Cargo Beach

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

---

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 10:30 hrs.</li><li>2. Weighed concrete from Buildings 108 and 109.</li><li>3. Picked up and weighed armored cable from around Building 98.</li><li>4. Hauled containers from beach to AFS Ops Area.</li><li>5. Prepared Morooka vehicles for off-road use.</li><li>6. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Sunday	Hours	Off Island
<b>BEESC</b>		<b>7-10-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		8	
Hank Seipt	CQCSM		8	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		8	
Larry Pederson	Environmental Sampler		8	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		8	
Kim Leach	Driver/Operator		8	
Bill Thorton	Operator		8	
John Wheeler	Operator			
Olaf Matson	Driver		8	
Rick Beasley	Mechanic		8	
Troy Whitmore	Oiler/Mechanic		8	
Carl Calugen	Laborer Foreman		8	
Eugene Toolie	Laborer		8	
Sam Mokiuk	Laborer		8	
Truman Kava	Laborer		8	
Paul Rookok	Laborer		8	
Sylvia Toolie	Office Staff		8	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9/ S-10	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200			6				6	0	6
Ford Lube/Fuel Tk	50-201				2.5			2.5	0	2.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320			1				1	0	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329			2	2	5	1.5/4	14.5	0	14.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		1.5	1.5	0	0	1	4	0	4
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352						1.5	1.5	0	1.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-4	T-5	W-6	TH-7	F-8	S-9/ S-10	Week's Total	Prior Week	Total
RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501				2.5	1	2/1	6.5	0	6.5
Cat 988B loader w/bucket & forks	50-505			2	3	10	3/8	26	0	26
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800			1.5	2			3.5	0	3.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200				10	5.5	4	19.5	0	19.5
Hitachi EX120 Excavator	51-204		9.5	8	5.5	11	7	41	0	41

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# **Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	5	6
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL001602, Bldg 108	63.38		95%
Activity: CL00912, Armored Cable Removal Near Bldg 98			95%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Tonnage removed from Buildings 108 and 109:
- Completed CLIN Activity CL001602 and CLIN Activity CL00912

Comments:

- None.

## **COMPLETED CLIN FIELD ACTIVITIES**

<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

7/11/05  
Date

[Signature]  
Site Superintendent Signature

7-11-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. QAR notified at home mid-day by BEESC PM Steve Johnson to stand-down for travel today; bad weather shall prevent QAR from mob' to site this day. QAR to stand-by for potential departure to site tomorrow Monday, 11 July.

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

B. A. Mills ABE 15 JULY  
/QAR '05

QAR Signature

Date

Supervisor's Initials

Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/10/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls

Reviewed BEESC's historical record and emphasized importance of a  
company maintaining a good safety record

Awareness of wind speed and direction in the field

General site safety rules reviewed

**Clin No:** CL001602

**Task to be accomplished:** Collect containerized, weigh and stage the remaining concrete from Pad 108.

**Observations/Comments:** Personnel assigned to this specific task were: Mac MacDonald, Bill Thornton, Kim Leach, Troy Whitmore and Carl Calugan. SS for the evolution was Mac MacDonald. The production plan was brief in addition to the safety precautions for heavy equipment operations. All personnel associated with this task maintained the proper level of PPE (level D). Carl Calugan provided positive ground coordination and communication in difficult working conditions (rain with winds between 22-35 mph). This task was performed safely and IAW SSHP.

## PREPARATORY INSPECTION CHECKLIST

CONTRACT NO: W911-KB-04-C-0019

DATE: 7/10/05

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE OF WORK: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach .

GOVERNMENT REPRESENTATIVE NOTIFIED \_\_\_\_\_ HOURS IN ADVANCE (QAR off island).

### I. Persons Required To Attend

Name	Position	Company/Government
Henry Scipt	CQCSM	BEESC
Rollie Goebel	Site Supervisor	BEESC
Mac McDonald	Crew Foreman	BEESC
Carl Calugan	Laborer Forman	BEESC
Toby Petersen	SSHO	BEESC

### II. Contractor/Subcontractors Involved With Activity

1. Yes. Insurance current & on hand?
2. No construction subcontractors used in field Insurance current & on hand?
3. \_\_\_\_\_ Insurance current & on hand?

### III. Submittal Review

Have all transmittals been submitted and approved? Yes. All project plans have been submitted to the USACE and have been approved.

What items are delinquent or awaiting comments/approval?

1. No items are delinquent or awaiting comments/approval.  
All equipment and personnel to complete the scope of work are present on Saint Lawrence Island.  
Testing of equipment has been completed on island prior to its utilization on site work.  
No field or analytical testing are required in this DFW.

2. \_\_\_\_\_

What items require re-submittal and why? \_\_\_\_\_

1. None.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

#### IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?

Yes.

List of items you want to ensure were covered:

DFW Tasks: Debris Removing and Staging as delineated in the Work and Demolition Plan, Section 4.3.4 and the SSHP, Section 2.4

Accident Prevention Plan---EM 385-1-1 (2003) in use at the site, Specifically Section 13 Hand and Power Tools, Section 16 Machinery and Mechanized Equipment, and Section 18 Motor Vehicles and Aircraft (All Terrain Vehicles)

Tasks associated with the DFW are delineated in the Work and Demolition Plan, Section 4.3.4 and in Appendix H of the CQC Plan

Task specific safety and health issues are address in the SSHP, Section 4.4

General site safety and health issues related to the task are delineated in the Activity Hazard Analysis, Table #1 (Debris Removal and Staging)

The SSHP requires the wearing of reflective vests in addition to standard/modified Level D PPE

Task Associated SSHP topics include:

### Heavy Equipment Operation, Section 4.2.1

### Vehicle Inspections, Section 4.2.2

Operator Qualifications, Section 4.2.3

### Equipment and Vehicle Safe Work Practices, Section 4.2.4

### Site Roads and Slopes, Section 4.2.6

### Slips, Trips and Falls, Section 4.2.11

#### IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?

Yes.

List of items you want to ensure were covered:

DFW Tasks: Debris Removing and Staging as delineated in the Work and Demolition Plan, Section 4.3.4 and the SSHP, Section 2.4

Accident Prevention Plan---EM 385-1-1 (2003) in use at the site, Specifically Section 13, Hand and Power Tools

Tasks associated with the DFW are delineated in the Work and Demolition Plan, Section 4.3.4 and in Appendix H of the CQC Plan

Task specific safety and health issues are address in the SSHP, Section 4.4

General site safety and health issues related to the task are delineated in the Activity Hazard Analysis, Table #1 (Debris Removal and Staging) in the SSHP.

The SSHP requires the wearing of reflective vests in addition to standard/modified Level D PPE

Task Associated SSHP topics include:

### Heavy Equipment Operation, Section 4.2.1

### Vehicle Inspections, Section 4.2.2

### Equipment and Vehicle Safe Work Practices, Section 4.2.4

### Site Roads and Slopes, Section 4.2.6

### Slips, Trips and Falls, Section 4.2.11



## PREPARATORY INSPECTION CHECKLIST

### V. List of Specific Construction Tolerances/Testing

1. None. No sort of tolerance specification or testing is associated with the DFW. However, some debris will require size reduction to enable loading of the material into sea-going containers.
2. \_\_\_\_\_
3. \_\_\_\_\_

Are all reference publications/manufacturer's recommendations on hand and reviewed? N/A

### VI. Material/Equipment Review

Are all materials as submitted? \_\_\_\_\_ Yes

Do materials comply with Buy America Act? \_\_\_\_\_ N/A

Is equipment required? \_\_\_\_\_ Yes

Have equipment checklists been provided? Provided in daily report. Yes

### VII. Safety/Job Hazard Analysis

Was Hazard Analysis submitted for review prior to prep? In submitted Work and Demo Plan \_\_\_\_\_ Yes

Are there additions for JHA and were they incorporated? \_\_\_\_\_ No

Are Material Safety Data Sheets on hand and reviewed? In binder in Site Supervisor's office. Yes

Does Resident Office have copies of 1566 and insurance? \_\_\_\_\_ Yes

Have items in Site Safety Health Plan been reviewed? \_\_\_\_\_ Yes

Is there a confined space? \_\_\_\_\_ No

### VIII. Any Additional Concerns

Are there permits required for work? Hot Work Permit \_\_\_\_\_ No

Is notification for outage required? \_\_\_\_\_ No

What is time frame for any notifications? \_\_\_\_\_ N/A

What NAS Numbers are covered/used with this work? \_\_\_\_\_

Did CQC cover all elements on their checklists? \_\_\_\_\_ Yes/No

Has prep been completed successfully? \_\_\_\_\_ Yes/No

H. M. Seyt  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

## 2.4 TASK-SPECIFIC ACTIVITIES

The Scope of Work requires that a variety of tasks and activities be accomplished for each of the work sites. Those tasks and activities include the following:

- **Barge Loading and Unloading.** Excavated soil and demolition debris will be packaged at the site in Conexes. Workers will remain at a safe distance during the loading of these Conexes and will not stand under the loader or adjacent to the Conex being loaded.
- **Concrete Pad Testing and Removal.** Concrete transformer pads are suspected of containing PCBs from spills. PCB-contaminated concrete will be mechanically removed to a depth of approximately 0.25 inch. Appropriate worker protection will be required for this activity in accordance with the activity hazard analysis (AHA) (Appendix A).
- **PCB Soil Removal and Disposal.** A limited amount of stained soil will be removed and excavated during operations. The soil will be taken to a lined stockpile area where it will be tested to determine disposal options in accordance with the EPP.
- **Cat Trail Repair.** The Cat Trail to the Upper Mountain is completely washed out in one location and is in generally poor condition in many other sections. The trail must be repaired to access the Upper Mountain with construction equipment, and significant repair work is necessary. Because the Cat Trail is very steep and exceeds the EM 385-1-1, Section 21.1.07b, maximum allowable grade of 10 percent, a waiver request was submitted to the USACE to use the trail with the existing grades and has been approved.
- **Debris Removal and Staging.** Many of the sites at the NE Cape facility have miscellaneous debris ranging in size from very small to large items, such as old D-8 tractors. This debris will be collected manually and by using heavy equipment. Most of the debris can be reached from existing roads; in some cases, it will be collected after road improvement is completed. In instances where equipment is required for debris removal in the tundra, low-ground-pressure equipment will be used. The debris will be hauled to one or more staging areas, as directed by the WDP. Debris will be wetted and covered as necessary before hauling to prevent visible emissions. Debris will be placed in appropriate storage containers and staged at the Conex Storage Area shown on Figure 11.
- **Water Collector Decommissioning.** Wells at the site will be decommissioned in accordance with Alaska Department of Environmental Conservation procedures and the WDP.
- **Tower Demolition.** Demolition of the tram system will involve special requirements described in the WDP. These include specialized use of fall protection and use of heavy equipment and/or vehicles on grades in excess of 10 percent, which is normally prohibited by the USACE's EM 385-1-1. Because of the extreme slopes of the natural terrain, which cannot be engineered to conform to the 10 percent slope rule, a waiver

#### 1    **4.3.4 Pole Lines and Pole Groups**

2    There are approximately 70 steel and wooden poles and approximately 11,000 feet of  
3    electrical cable to be removed. BEESC will complete the pole and wire removal as follows:

##### 4    **Step 1 – Vent Thermo-anchors (if present)**

5    The thermo-anchors were used to support poles on the pole line along the road between the  
6    AFS Ops Area and Site 24/25, and on the tundra north of the AFS Ops Area. The thermo-  
7    anchors contain pressurized flammable gas (likely butane or propane). The gas will be vented  
8    by removing a threaded pipe plug from the head of the thermo-anchor. After the gas has  
9    escaped, the thermo-anchor will be cut off at the ground surface as described below:

##### 10    **Step 2 – Fell Poles and Antennas, and Cut Guy Wires and Thermo-anchors**

11    A crew of laborers supported by two Argo ATVs on tracks will fell the poles and cut the guy  
12    wires and thermo-anchors. The poles, antennas, and thermo-anchors will be cut off flush with  
13    the ground surface.

##### 14    **Step 3 – Separate Poles from Lines and Pick Up Poles**

15    A second crew equipped with a Morooka rubber-tracked vehicle towing a Bailey trailer will  
16    separate the poles from the lines, cut the poles into manageable lengths, and load them on the  
17    Bailey trailer by using a knuckle-boom crane and grapple mounted on the Morooka. The  
18    crew will travel to the far end of the pole line and work its way straight back along the pole  
19    line to minimize ground disturbance. The crew will then pick up all debris at the pole site,  
20    leaving only the lines. The pole sections will be transported to the truck scale where they will  
21    be weighed. They will then be transported to either the debris staging area where they will be  
22    strapped into bundles for transport and disposal or to the burnable wood debris storage area  
23    where they will be burned as described in Section 5.1.5

## **DFW SPECIFIC HAZARDS**

- Equip one person per field area with a firearm. Individuals assigned firearms will keep the weapon under safe control at all times. After working hours, all firearms will be locked and secured by the SS.

#### **4.3.2 Foxes**

Rabid cross foxes may also be encountered at the NE Cape site. Extreme caution should be exercised to avoid any work activities in close proximity to a cross fox. Work in areas that cross foxes may inhabit should always be performed in pairs.

### **4.4 TASK-SPECIFIC HAZARDS**

The following sections describe in greater detail the hazards associated with each specific task. Appendix A contains AHA tables, completed in accordance with the USACE's EM 385-1-1, identifying the activity, potential hazards, controls and inspections, training, PPE, and monitoring required for each task.

#### **4.4.1 Nonhazardous Debris Removal and Staging**

Nonhazardous debris removal and staging will be performed in accordance with the WDP. One of the hazards involved with this activity is lifting debris or drums with sharp edges. The edges of the metal debris can cause cuts. Level D PPE will be worn while collecting and staging nonhazardous debris. All workers lifting nonhazardous debris will wear leather or cut-resistant gloves. Lifting the debris can cause back problems if a worker tries to lift too much or lifts in an improper fashion. Debris weighing more than 60 pounds will be lifted by at least two people. When lifting the debris, ensure that proper lifting techniques are used, including bending at the knees and keeping one's back vertical. Some of the debris may be lifted and staged by heavy equipment. Site workers need to be aware of vehicular traffic at all times and stay in clear view of the equipment operators. If heavy equipment is used, then site workers will wear reflective traffic vests to increase their visibility.

#### **4.4.2 Antenna and Power Pole Removal**

Antenna and power pole removal will be performed in accordance with the WDP. The antennas and power poles are made of either wood or metal. Some of the poles are held in place with guy wires. Hazards associated with the removal of these structures differ slightly depending on whether the pole is wood or metal. Level D PPE will be worn while removing

1 the antennas and power poles. Some of the poles are supported by gas-filled thermo-anchors.  
2 The thermo-anchors contain pressurized flammable gas. The gas will be vented by removing  
3 a pipe plug from the top of the thermo anchor and allowing the gas to vent to the atmosphere.  
4 After the gas has escaped, the thermo-anchor will be cut off at the ground surface.

5 One of the hazards associated with the removal of the wood poles concerns the use of the  
6 chain saw required to cut the poles down. Chain saws can “kick” if they strike a piece of  
7 metal or a knot in the wood or if they strike the ground. All saws will have OEM kick-back  
8 controls/brakes. Workers using chain saws will inspect each pole before cutting to look for  
9 signs of metal or knots that may cause the chain saw to kick back. The angle of cut will be  
10 one that does not bring the saw in contact with the ground. Workers using chain saws will  
11 wear leg protection (chaps) and all PPE identified in Section 6.2.

12 One of the common hazards associated with both the metal and wooden poles is the removal  
13 of the guy wires. After the guy wires are loosened, they will be cut. If some guy wires cannot  
14 be loosened, a wooden or metal shield will be used by workers (in addition to standard PPE)  
15 for protection during guy wire cutting, when the wires may snap in an uncontrolled direction.  
16 Some of the wooden poles do not have guy wires.

17 After the wires are cut, the pole will be felled. Hazards associated with felling the pole  
18 include being struck by the pole as it falls or when it kicks off its base, or being struck by guy  
19 wires that have not been cut. To control these hazards, the approximate height of the pole will  
20 be determined before cutting, and a fall radius will be calculated. The fall radius will be 1.5  
21 times the height of the pole. This area will be cleared of all unnecessary personnel. As the  
22 pole falls, it is possible that the base of the pole will bounce or move in an unknown direction.  
23 Workers will be required to stand at least 10 feet from the base of the pole to minimize the  
24 potential for being struck. If necessary, a second cut will be made to ensure the remaining  
25 portion of the pole is flush with the ground.

26 After the poles are felled, they will be cut and taken to a staging area for disposal preparation.  
27 Hazards associated with this include being struck by heavy equipment used to transport the  
28 poles to the staging area and potentially being injured by hot work activities that may be used

- 1 to fell and reduce the size of the metal poles. Workers will be aware of the location of heavy
- 2 equipment at all times. The heavy equipment operators will restrict their operation to the
- 3 planned route of travel and will also watch for pedestrian traffic. Workers will wear reflective
- 4 vests to increase their visibility when working around heavy equipment.

## **GENERAL PROJECT HAZARDS**



**Activity Hazard Analysis No. 1**  
**Debris Removal and Staging**

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

**Principal Tasks**

**Potential Hazards**

**Recommended Controls (Level D PPE site wide for all operations)**

Removal by hand and  
General Site Work

Slips, trips, falls

- Use care during foot travel, and clear the area of slip and trip hazards
- Use barricades
- Use guardrails
- Cover holes.

Back Injury

- Use proper lifting technique.
- Buddy system for heavy lifts
- Use lifting/transport equipment

Crushing Injuries

- Use caution when setting loads.
- Machine guards/enclosures
- Wear required PPE
  - Hard Hat
  - Steel Toed Boots
  - Safety Glasses w/ side shields
  - Reflective Vest
  - Hearing Protection, as needed.

Dropped Objects

- Use caution around equipment lift materials.
- Wear required PPE.

Eye Injury / Hearing Loss

- Wear required PPE.

Falls from steep slopes

- Wear D-ring harness w/ restraint cable system at approved anchor points

Struck by  
equipment/objects

- Wear required PPE
- Backup Alarms on all equipment
- Traffic control and Watchman

Activity Hazard Analysis No. 1 Debris Removal and Staging (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
<b>Principal Tasks</b>	<b>Potential Hazards</b>	<b>Recommended Controls (Level D PPE site wide for all operations)</b>
Vehicle Operation	Rollover	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> <li>• Use Seatbelts/ROPS</li> <li>• For ATVs, gloves and helmets are required.</li> <li>• Utilize only licensed and trained operators.</li> <li>• Ensure equipment is not operated on excessive grades to prevent rollovers.</li> </ul>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
<b>Equipment to be Used</b>	<b>Inspection Requirements</b>	<b>Training Requirements</b>
Trucks, Hand Tools, Graders, Bulldozers, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site Specific Training – Toolbox safety meetings, Fall Protection System (if applicable)</li> </ul>

associated with cold/hot work environments, noise, hand/arm vibration and ultraviolet (UV) light.

#### **4.2.1 Heavy Equipment and Vehicle Operation**

Excavators, front-end loaders, haul trucks, graders, and other heavy equipment will be used on this project to demolish the tram and power towers, excavate contaminated soil, construct and repair roads, grade work areas, and remove debris. There is a potential for workers to be struck by these vehicles or to be injured by contact with exposed mechanical parts (i.e., gears and pulleys). In addition, there is a risk of vehicle accidents and of fire during refueling. AHA 10 provides specific guidance for refueling of vehicles and equipment. The majority of the fuels at the site will be diesel which has a low vapor pressure and is a relatively low fire risk. To control these hazards, regulated work areas will be established around each job site, and safe distances will be maintained between workers and mechanical equipment. Mobile equipment will be equipped with backup alarms, and spotters will be used to direct equipment operators, particularly when dumping soil and rock, operating cranes, and loading haul trucks. In addition, all exposed gears and pulleys on mechanical equipment will be guarded to eliminate pinch and grab hazards. Vehicles will be equipped with fire extinguishers, and spill-control equipment will be available during refueling operations in case a fuel, hydraulic fluid, or lubricant release occurs.

#### **4.2.2 Vehicle Inspections**

All equipment and vehicles brought to the job site will be inspected for structural integrity, cleanliness, operational performance, and proper functioning of safety devices in accordance with the manufacturers' specifications before being put into service. Equipment not conforming to operational and safety requirements will be repaired and re-inspected. Daily inspections of vehicles and heavy equipment will follow the requirements of the equipment manufacturers and EM 385-1-1, Section 16. Inspection forms are included in Appendix C.

Industrial vehicles will have backup alarms, seat belts, brakes, and lights. The operator will take out of service any equipment that does not comply with the manufacturer's

specifications. Deficiencies will be noted and referred to the SS, who, in turn, will ensure that all repairs are made before the vehicle is returned to service.

#### **4.2.3 Operator Qualifications**

Equipment operators must be qualified to operate the specific type of equipment or vehicle to which each has been assigned. In addition, each operator must be proficient in the type of equipment he/she will be using. The SS will ensure that a proficiency test is administered to each operator for each type of equipment operated. Equipment operators may also be required to be certified to operate certain types of OSHA-regulated vehicles, such as forklifts. The SS will maintain a list of each operator and the equipment the operator is qualified to operate.

#### **4.2.4 Equipment and Vehicle Safe Work Practices**

Operators, drivers, and passengers must wear seat belts at all times. Drivers and operators must comply with state regulations governing the safe and legal operation of vehicles. Each driver is responsible for ensuring that passengers are seated and properly secured before moving the vehicle. Under no circumstance will personnel ride on fenders, running boards, or vehicle tops; in buckets; on the lift forks of a forklift; on beds of dump trucks or pickup trucks; or in any other area where a passenger cannot be secured by a properly installed seat belt. Operators of heavy equipment must follow the regulations specific for the type of equipment they are operating. Operators and drivers will obey signs, postings, and instructions.

Those personnel directly involved with spotting for an operator are typically the personnel allowed on the ground in the vicinity of the heavy equipment. Other personnel will remain a safe distance away from operations. Personnel needing to approach heavy equipment while the equipment is operating will observe the following protocols:

- Make eye contact with the operator (and spotter),
- Signal the operator to cease heavy equipment activity, if applicable, and
- Approach the equipment operator and inform the operator of intentions.

Before moving parked heavy equipment, the operator will visually inspect and walk around the vehicle to ensure that the equipment is in good condition and that there are no personnel or objects on the ground that could be damaged by vehicle movement. Operators will use handrails and footholds for mounting and dismounting equipment (three points of contact). Operators will follow equipment start-up procedures described in the appropriate operating manual. Each operator will keep hauling equipment under positive control at all times. In case of malfunction that impairs an operator's ability to control a piece of equipment, the operator will use hydraulic systems such as blades, ripper, belly pan lowered to the ground, and brakes, and shut down the equipment until help arrives and repairs are made. Heavy equipment must have booms, forks, buckets, blades, belly pans, and any other similar part lowered to the ground when the equipment is shut off. Heavy equipment has the right-of-way over other traffic.

When temporarily parked, the keys are to remain in the ignition switch, except when the vehicle is being used as a fall protection anchor. When the vehicle is used as a fall protection anchor, the keys are to be removed and in the possession of the person using the fall protection. Vehicle chocks are required to be used to reduce the potential for rolling when parked.

#### **4.2.5 Traffic Control**

The speed limit for traffic is 15 miles per hour (mph) in all areas of the site except the main roads (identified by the SSHO), where the speed limit is 25 mph. Special caution should be taken near the personnel living area where the speed limit is 10 mph. The SSHO and SS may temporarily change speed limits if required for safe operations. Speed limits apply to heavy equipment as well as other vehicles. To minimize traffic hazards, specific traffic flow patterns will be established in the AFS Ops Area. These flow patterns will be implemented through portable traffic signs, by informing personnel in the daily toolbox safety meetings, or over the radio. Flagmen may be used for traffic control wherever there is heavy traffic, where there are "blind spots," and where there are road hazards. The SSHO may require flagmen for any unsafe road condition.

#### 1    **4.2.6    Site Roads and Slopes**

2    When the roads are wet, the roads may be slippery and may pose a driving hazard. Also,  
3    there is a potential for loss of traction, falling or driving off the road, and overturning a  
4    vehicle.

5    The SSHO will mark areas of known or potential hazards on a map on the lunchroom wall.  
6    The SSHO and/or SS or alternate will regularly inspect site roads. The SSHO or designee  
7    will discuss current site road hazards and the status of site roads (e.g., closed, under repair,  
8    one way, etc.) at the daily toolbox safety meetings. Personnel will report unsafe road  
9    conditions, if observed, to their supervisor or the SSHO.

10   With the exception of the cat trails, operators will not use equipment on slopes steeper than 10  
11   percent (see Cat Trail Waiver Request, Appendix E) Operators will operate equipment with  
12   booms, blades, buckets, beds, etc., lowered or in a stable position while on slopes.

#### 13   **4.2.7    Weather Hazards**

14   St. Lawrence Island is subject to high winds, rain, and snow. On occasion, weather  
15   conditions can become so severe as to present a danger to those working outdoors. In these  
16   situations, work will stop, and the control measures discussed in Emergency Procedures  
17   (Section 12 of this SSHP) will be followed.

#### 18   **4.2.8    Thermal Stress**

19   Because all planned work activities will be conducted outside where environmental conditions  
20   are typically wet, cold, and windy, there is a significant risk that site workers could develop  
21   cold stress. In addition, for those workers required to wear chemical protective clothing, there  
22   is a possibility that they could develop heat stress depending on their work activities. The  
23   likelihood of such thermal illnesses occurring is dependent on environmental conditions, the  
24   level of work activity, and the personal control measures that are used to manage heat loads  
25   (work/rest cycles, use of clothing and/or cooling devices, hydration, etc.). Appropriate  
26   control measures will be taken to manage these thermal stress concerns. These include the

1 use of “warm-up sheds” as necessary. The SSHO, for example, will monitor ambient  
2 temperatures in the work area, track thermal workloads, and determine the need for personal  
3 protective and administrative controls. In addition, all site workers will be instructed in the  
4 recognition and control of thermal stress symptoms and in treatment procedures. To guard  
5 against cold injury, appropriate clothing and warm shelters for rest periods will be provided.  
6 ACGIH practices for cold stress will be implemented. A summary of the cold stress  
7 prevention guidelines is provided as Appendix D. A copy of the ACGIH TLV handbook will  
8 be available on site.

#### 9 **4.2.9 Unexploded Ordnance/Explosives**

10 If unexploded ordnance (UXO) is found or suspected, workers will stop work and  
11 immediately clear the area. The location of the UXO will be noted, and the SS will be  
12 contacted for further instructions. Under no circumstances will suspected UXO locations be  
13 left unmarked before workers leave the area.

#### 14 **4.2.10 Excavations and Earthwork**

15 PCB-contaminated soils will be excavated at Site 31 (Figure 8) and in the AFS Ops Area  
16 (Figure 9). Open excavations present a fall hazard to personnel and equipment working near  
17 them. They can also collapse on and bury workers who enter them. To control these hazards,  
18 soil conditions, excavation methods, and site entry/control will be closely monitored by the  
19 SSHO.

20 Excavated soils will not be placed closer than 3 feet to the edge of an excavation, and  
21 excavations greater than 4 feet in depth will be sloped 1.5 horizontal to 1 vertical as necessary  
22 to ensure stability and prevent collapse. Under no circumstances will workers be allowed to  
23 enter excavations deeper than 4 feet unless the excavations have been appropriately sloped. If  
24 at all possible, work will be conducted in a manner that precludes the need for workers to  
25 enter excavations, with the exception of soil sample collection. When sampling is necessary,  
26 only trained workers will be used, and the SSHO will monitor the entire sampling activity.

## **RELEVANT USACE HAZARD TOPICS**



## SECTION 16

# MACHINERY AND MECHANIZED EQUIPMENT

## 16.A GENERAL

16.A.01 Before any machinery or mechanized equipment is placed in use, it shall be inspected and tested in accordance with the manufacturer's recommendations and requirements of this manual and shall be certified in writing by a competent person to meet the manufacturer's recommendations and requirements of this manual. Subsequent reinspections will be conducted at least annually thereafter. All safety deficiencies noted during the inspection shall be corrected prior to the equipment being placed in service at the project. If at anytime the machinery or mechanized equipment is removed and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

a. The Contractor shall keep records of tests and inspections. These records shall be made available in a timely manner upon request of the GDA and, when submitted, shall become part of the official project file.

b. The Contractor shall provide the GDA ample notice in advance of any equipment entering the site so that he/she may observe the Contractor's inspection process and so that spot checks may be conducted.

### 16.A.02 Daily/shift inspections and tests.

a. All machinery and equipment shall be inspected daily (when in use) to ensure safe operating conditions. The employer shall designate competent persons to conduct the daily inspections and tests.

b. Tests shall be made at the beginning of each shift during which the equipment is to be used to determine that the brakes

and operating systems are in proper working condition and that all required safety devices are in place and functional.

16.A.03 Whenever any machinery or equipment is found to be unsafe, or whenever a deficiency that affects the safe operation of equipment is observed, the equipment shall be immediately taken out of service and its use prohibited until unsafe conditions have been corrected.

- a. A tag indicating that the equipment shall not be operated, and that the tag shall not be removed, shall be placed in a conspicuous location on the equipment. **>See Section 8.** Where required, lockout procedures shall be used. **> See Section 12.**
- b. The tag shall remain in its attached location until it is demonstrated to the individual deadlining the equipment that it is safe to operate.
- c. When corrections are complete, the machinery or equipment shall be retested and re-inspected before being returned to service.

16.A.04 Machinery and mechanized equipment shall be operated only by designated qualified personnel.

- a. Machinery or equipment shall not be operated in a manner that will endanger persons or property nor shall the safe operating speeds or loads be exceeded.
- b. Getting off or on any equipment while it is in motion is prohibited.
- c. Machinery and equipment shall be operated in accordance with the manufacturer's instructions and recommendations.
- d. The use of headphones for entertainment purposes (e.g., AM/FM radio or cassette) while operating equipment is prohibited.

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maintenance and repairs conducted during the life of a contract shall be made available upon request of the GDA.

b. All machinery or equipment shall be shut down and positive means taken to prevent its operation while repairs or manual lubrications are being done. Equipment designed to be serviced while running are exempt from this requirement.

c. All repairs on machinery or equipment shall be made at a location that will protect repair personnel from traffic.

d. Heavy machinery, equipment, or parts thereof that are suspended or held apart by slings, hoist, or jacks also shall be substantially blocked or cribbed before personnel are permitted to work underneath or between them.

16.A.09 Bulldozer and scraper blades, end-loader buckets, dump bodies, and similar equipment shall be either fully lowered or blocked when being repaired or when not in use. All controls shall be in a neutral position, with the engines stopped and brakes set, unless work being performed on the machine requires otherwise.

16.A.10 Stationary machinery and equipment shall be placed on a firm foundation and secured before being operated.

16.A.11 All mobile equipment and the areas in which they are operated shall be adequately illuminated while work is in progress.

16.A.12 Equipment powered by an internal combustion engine will not be operated in or near an enclosed area unless adequate ventilation is provided to ensure the equipment does not generate a hazardous atmosphere.

16.A.13 All vehicles that will be parked or are moving slower than normal traffic on haul roads shall have a yellow flashing light or four-way flashers visible from all directions.

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16.A.19 No modifications or additions that affect the capacity or safe operation of machinery or equipment shall be made without the manufacturer's written approval.

a. If such modifications or changes are made, the capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.

b. In no case shall the original safety factor of the equipment be reduced.

16.A.20 Steering or spinner knobs shall not be attached to the steering wheel unless the steering mechanism prevents road reactions from causing the steering handwheel to spin. When permitted, the steering knob shall be mounted within the periphery of the wheel.

16.A.21 Safeguards shall be provided to prevent machinery and equipment operating on a floating plant from going into the water.  
> **See also 16.F.06.**

16.A.22 All powered-industrial trucks shall meet the requirements of design, construction, stability, inspection, testing, maintenance, and operation defined in ANSI/ASME B56.1.

16.A.23 All powered-industrial trucks, lift trucks, stackers, and similar equipment shall have the rated capacity posted on the vehicle so as to be clearly visible to the operator. When the manufacturer provides auxiliary removable counterweights, corresponding alternate rated capacities also shall be clearly shown on the vehicle. The ratings shall not be exceeded.

16.A.24 Only trained and authorized operators shall be permitted to operate a powered-industrial truck. Training must be both classroom and practical operation of the same type of truck the student uses on the job. Training shall be provided in accordance with OSHA Standard 29 CFR 1910.178. The employer must certify that the operator has been trained and evaluated as required by the standard. The certification shall include the name of the operator.

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16.A.33 Tire service vehicles shall be operated so that the operator will be clear of tires and rims when hoisting operations are being performed. Tires large enough to require hoisting equipment will be secured from movement by continued support of the hoisting equipment unless bolted to the vehicle hub or otherwise restrained.  
> **Also see 16.B.06.**

16.A.34 Each bulldozer, scraper, dragline, crane, motor grader, front-end loader, mechanical shovel, backhoe, and other similar equipment shall be equipped with at least one dry chemical or CO<sub>2</sub> fire extinguisher with a minimum rating of 5-B:C.

16.A.35 Fill hatches on water haul vehicles shall be secured or the opening reduced to a maximum of 8 in (20.3 cm).

## 16.B GUARDING AND SAFETY DEVICES

16.B.01 Reverse signal (back-up) alarm.

a. All self-propelled construction and industrial equipment, whether moving alone or in combination, shall be equipped with a reverse signal alarm. > **Equipment designed and operated so that the operator is always facing the direction of motion does not require a reverse signal alarm.**

b. Reverse signal alarms shall be audible and sufficiently distinct to be heard under prevailing conditions.

c. Alarms shall operate automatically upon commencement of backward motion. Alarms may be continuous or intermittent (not to exceed 3-second intervals) and shall operate during the entire backward movement.

d. Reverse signal alarms shall be in addition to requirements for signal persons.

16.B.02 A warning device or signal person shall be provided where there is danger to persons from moving equipment, swinging loads, buckets, booms, etc.

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installed on split rims, or rims equipped with locking rings of similar devices. > **Also see 16.A.33.**

16.B.07 No guard, safety appliance, or device shall be removed from machinery or equipment, or made ineffective, except for making immediate repairs, lubrications, or adjustments, and then only after the power has been shut off. All guards and devices shall be replaced immediately after completion of repairs and adjustments and before power is turned on.

16.B.08 Seatbelts and anchorages meeting the requirements of 49 CFR 571 shall be installed and worn in all motor vehicles (installation and usage on buses is optional). Two-piece seat belts and anchorages for construction equipment shall comply with applicable Federal specifications or Society of Automotive Engineers (SAE) Standard J386.

16.B.09 All high rider industrial trucks shall be equipped with overhead guards that meet the structural requirements defined in paragraph 4.21 of ANSI/ASME B56.1.

16.B.10 Suitable protection against the elements, falling or flying objects, swinging loads, and similar hazards shall be provided for operators of all machinery or equipment. Glass used in windshields or cabs shall be safety glass.

16.B.11 Falling object protective structures (FOPS).

a. All bulldozers, tractors, or similar equipment used in clearing operations shall be provided with guards, canopies, or grills to protect the operator from falling and flying objects as appropriate to the nature of the clearing operations.

b. FOPS for other construction, industrial, and grounds-keeping equipment will be furnished when the operator is exposed to falling object hazards.

16.B.14 All machinery or equipment and material hoists operating on rails, tracks, or trolleys shall have positive stops or limiting devices either on the equipment, rails, tracks, or trolleys to prevent overrunning safe limits.

16.B.15 Under the following circumstances, long-bed end-dump trailers used in off-road hauling should be equipped with a roll-over warning device. The device should have a continuous monitoring display at the operator station to give the operator a quick and easily read indicator and audible warning of an unsafe condition.

- a. The material being dumped is subject to being stuck or caught in the trailer rather than exiting the bed freely, and
- b. The dumpsite cannot be maintained in a nominally level condition (lateral slope less than 1° - 2°).

#### **16.C CRANES AND DERRICKS - GENERAL**

16.C.01 Unless otherwise specified, the requirements of this Section are applicable to all cranes and derricks of the types listed in Table 16-1.

16.C.02 Every crane shall have the following documents with them (in the cab) at all times they are to be operated:

- a. A copy of the operating manual developed by the manufacturer for the specific make and model of the crane; a copy of the operating manual for any crane operator aids with which the crane is equipped.
- b. A copy of the load-rating chart for the crane/derrick in use (separate or included in the operating manual), which shall include:

- (1) The crane make and model, serial number, and year of manufacturer;

3.A.04 When work is being performed overhead, tools not in use shall be secured or placed in holders.

3.A.05 Throwing tools or materials from one location to another or from one person to another, or dropping them to lower levels, shall not be permitted.

3.A.06 Only non-sparking tools shall be used in locations where sources of ignition may cause a fire or explosion.

3.A.07 Tools requiring heat treating or redressing shall be tempered, formed, dressed, and sharpened by personnel who are experienced in these operations.

3.A.08 The use of cranks on hand-powered winches or hoists is prohibited unless the hoists or winches are provided with positive self-locking dogs. Hand wheels with exposed spokes, projecting pins, or knobs shall not be used.

3.A.09 Hydraulic fluid used in powered tools shall retain its operating characteristics at the most extreme temperatures to which it will be exposed. **> For underground use, see 26.D.07.**

3.A.10 Manufacturers' safe operating pressures for hydraulic hoses, valves, pipes, filters and other fittings shall not be exceeded.

3.A.11 All hydraulic or pneumatic tools that are used on or around energized lines or equipment shall have non-conducting hoses of adequate strength for the normal operating pressures.

3.A.12 When fuel-powered tools are used in enclosed spaces, the requirements for concentrations of toxic gases and use of PPE, as outlined in Sections 5 and 6 of this manual, shall apply.

3.A.13 Clothing.

- a. PPE shall be used as outlined in Sections 5 and 6 of this manual.

- b. Loose and frayed clothing, loose long hair, dangling jewelry (including dangling earrings, chains, and wrist watches) shall not be worn while working with any power tool.

13.A.14 See Section 11.C for grounding requirements.

13.A.15 The electrical power control shall be provided on each machine/power tool to make it possible for the operator to cut off the power for the machine/power tool without leaving the point of operation.

13.A.16 Where injury to the operator may result if motors were to restart after power failures, provisions shall be made to prevent machines/power tools from automatically restarting upon restoration of power.

13.A.17 Floor- and bench-mounted power tools shall be anchored or securely clamped to a firm foundation. Anchoring or securing shall be sufficient to withstand lateral or vertical movement.

## 13.B GRINDING AND ABRASIVE MACHINERY

13.B.01 With the exception of the following, abrasive wheels shall be used only on machines provided with safety guards: **> see ANSI B74.2 for descriptions of abrasive wheel types**

- a. Wheels used for internal work while within the work being ground;
- b. Mounted wheels, 2 in (5 cm) and smaller in diameter, used in portable operations;
- c. Types 16, 17, 18, 18R, and 19 cones and plugs and threaded hole pot balls where the work offers protection or where the size does not exceed 3 in (7.6 cm) in diameter by 5 in (12.7 cm) long;



d. Type 1 wheels not larger than 2 in (5 cm) in diameter and not more than 1/2 in (1.2 cm) thick, operated at peripheral speeds less than 1800 surface-feet per minute (ft/min) (9.1 surface-m/s) when mounted in mandrels driven by portable drills;

e. Type 1 reinforced wheels not more than 3 in (7.6 cm) in diameter and 1/4 in (0.6 cm) in thickness, operating at peripheral speeds not exceeding 9500 surface-ft/min (48.3 surface-m/s), if safety glasses and face shield protection are worn.

13.B.02 Tongue guards on hand held power grinders shall be adjustable to within 1/4 in (0.6 cm) of the constantly decreasing diameter of the wheel at the upper opening.

13.B.03 Grinding machines shall be supplied with power sufficient to maintain the spindle speed at safe levels under all conditions of normal operation.

13.B.04 Work or tool rests shall not be adjusted while the grinding wheel is in motion.

13.B.05 Tool rests on power grinders shall not be more than 1/8 in (0.3 cm) distance from the wheel.

13.B.06 All abrasive wheels shall be closely inspected and ring-tested before mounting: cracked or damaged grinding wheels shall be destroyed.

13.B.07 Grinding wheels shall not be operated in excess of their rated safe speed.

13.B.08 Floor stand and bench-mounted abrasive wheels used for external grinding shall be provided with safety guards (protective hoods).

a. The maximum angular exposure of the grinding wheel periphery and sides shall be not more than 90°, except that

when work requires contact with the wheel below the horizontal plane of the spindle the angular exposure shall not exceed 125°; in either case, the exposure shall begin not more than 65° above the horizontal plane of the spindle.

b. Safety guards shall be strong enough to withstand the effect of a bursting wheel.

### 13.C POWER SAWS AND WOODWORKING MACHINERY

13.C.01 All woodworking machinery shall be operated and maintained in accordance with ANSI 01.1.

13.C.02 Guarding.

a. Circular saws shall be equipped with guards that automatically and completely enclose the cutting edges, splitters, and anti kickback devices.

b. All portable power-driven circular saws shall be equipped with guards above and below the base plate or shoe. The upper and lower guards shall cover the saw to the depth of the teeth, except for the minimum arc required to permit the base to be tilted for bevel cuts and for the minimum arc required to allow proper retraction and contact with the work, respectively. When the tool is withdrawn from the work, the lower guard shall automatically and instantly return to the covering position.

c. Blades of planers and jointers shall be fully guarded and have cylindrical heads with throats in the cylinder.

d. Band saw blades shall be fully enclosed except at the point of operation.

e. Additional guarding requirements for fixed (non portable) woodworking machinery are contained in Appendix E.

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13.E.09 The tool operator shall wear safety goggles or other face and eye protection.

### 13.F CHAIN SAWS

13.F.01 All chain saws shall have an automatic chain brake or kickback device.

13.F.02 The idle speed shall be adjusted so that the chain does not move when the engine is idling.

13.F.03 Operators will wear PPE. Eye, ear, hand, foot (safety shoes), and leg protection are required as a minimum.

13.F.04 Chain saws will not be fueled while running, while hot, or near an open flame. Saws will not be started within 10 ft (3 m) of a fuel container.

13.F.05 The operator will hold the saw with both hands during all cutting operations.

13.F.06 A chain saw must never be used to cut above the operators' shoulder height.

13.F.07 See Section 31 for tree maintenance and removal requirements.

### 13.G ABRASIVE BLASTING EQUIPMENT

13.G.01 Hose and hose connections shall be designed to prevent build up of static electricity.

13.G.02 All connections and nozzles shall be designed to prevent accidental disengagement. All connections shall be equipped with safety lashings. > See 20.A.16

13.G.03 Nozzle attachments shall be of metal and fit on the outside of the hose. A deadman-type control device shall be

provided at the nozzle to cut off the flow if the operator loses control of hose. A support shall be provided on which the nozzle may be mounted when it is not in use.

13.G.04 Additional requirements on abrasive blasting are in Sections 5 and 6.

18.C.09 All motor vehicles shall be shut down prior to and during fueling operations. > **See 16.A.15.**

#### 18.D ALL TERRAIN VEHICLES (ATV)

18.D.01 Every ATV operator shall have completed a nationally-recognized accredited ATV training course (such as provided by the Specialty Vehicles Institute of America or in-house resources that have been certified as trainers by an accredited organization) prior to operation of the vehicle. The operator must pass an operating skills test prior to being allowed to operate an ATV. Proof of completion of this training shall be made available to the GDA upon request.

18.D.02 The manufacturer's recommended payload shall not be exceeded at any time.

18.D.03 Gloves and an approved motorcycle helmet with full-face shield or goggles shall be worn at all times while operating a Class I ATV.

18.D.04 ATVs shall be used only off-road (no paved road use unless allowed by the manufacturer).

18.D.05 ATVs shall be driven during daylight hours (unless properly equipped with lights for night use).

18.D.06 Only ATVs with four or more wheels may be used.

18.D.07 Passengers are prohibited on Class I ATVs.

18.D.08 All ATVs shall be equipped with a warning signal device (horn), tail lights, and stop lights.

18.D.09 A copy of the operators manual will be kept on the vehicle and protected from the elements (if practicable).

18.D.10 Tires shall be inflated to the pressures recommended by the manufacturer.

18.D.11 ATVs will be equipped with mufflers.

18.D.12 All ATVs shall be equipped with spark arresters.

18.D.13 All Class II ATVs shall be equipped with ROPS.

#### 18.E AIRCRAFT

18.E.01 All non-military aircraft shall be registered, certified in the appropriate category, and maintained in accordance with the airworthiness standards of the FAA. (If used OCONUS, and not prohibited by other regulation such as ER 95-1-1, registration, certification, and maintenance in accordance with the standards of a comparable governing body of foreign or international authority may be substituted for those of the FAA.)

18.E.02 All contract pilots or pilots of chartered aircraft shall hold at least a commercial pilot certificate with instrument rating. All pilots of non-military aircraft shall possess ratings to comply with the FAA Regulation governing the aircraft and operations involved.

18.E.03 All non-military aircraft shall be equipped with a two-way radio.

18.E.04 All non-military flight operations shall be in accordance with the FAA rules governing conduct for the specific operation. (Examples are 14 CFR 133 (Federal Aviation Regulation 133); 14 CFR 135 (Federal Aviation Regulation 135); and 14 CFR 91 (Federal Aviation Regulation 91)).

18.E.05 All military flight operations shall be conducted under appropriate DOT/DOD regulations, such as the AR 95 Series.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 017**

Date or Time Period  
**Monday July 11, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low clouds/thick fog, moderate precipitation, moderate winds (10-20 MPH with higher gusts). PM: Low clouds, low to moderate winds (+ 10 MPH with higher gusts).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No.  
Initial: Yes. Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach  
Follow-up: Yes. Pole removal site checks.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date? Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved? Yes ☐ No ☐ N/A ☒

Have Samples Been Collected for Laboratory Analysis? Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity? Yes ☐ No ☐ N/A ☒  
Have samples been properly labeled and packaged? Yes ☐ No ☐ N/A ☒  
Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☐ No ☐ N/A ☒  
Have required amount of QC trip blanks and rinsates been achieved? Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Removed wooded and weighed poles from along three lines (Pole Group A, Pole Group B, and Pole Line 5) located in the lower mountain tundra.</li><li>3. Hauled containers from beach to AFS Ops Area.</li><li>4. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-11-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	
Ford Lube/Fuel Tk	50-201	3							2.5	
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10							14.5	
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10							4	
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352	6.5							1.5	
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501	10.5							6.5	
Cat 988B loader w/bucket & forks	50-505	10							26	
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								3.5	
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200								19.5	
Hitachi EX120 Excavator	51-204								41	

Materials Received to be Used on or Incorporated into Site

Miscellaneous field materials and replacement parts for communication system arrived around 8 PM via air delivery.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	6	7
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL000903, Pole Group A			95%
Activity: CL000904, Pole Group B			95%
Activity: CL000906, Pole Line 5			95%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Communication system failure continuing to create off-island coordination problems with BEESC Anchorage office, the USACE, and providers of vital equipment and supplies.
- Inclement weather conditions continuing to delay air flight delays carrying equipment/supplies and arrival of pertinent personnel.
- Completed CLIN Activity CL000903, CL000904, and CL000906.

Comments:

- None.

### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/12/05  
Date

Robert E. Bebel  
Site Superintendent Signature

7-12-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. Flights today cancelled due to continued inclement weather; QAR to continue to stand-by for tomorrow Tuesday, 12 July. Wooden pole groups A, B, and Line 5 (Clin's 903, 904 and 906 ) and cables ( CLIN 912 ) reportedly completed in retrieval the past few days ( Reported satellite tele-comm' failures require further attention on-site ).

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *AGE/* *15 JULY*  
*QAR* *195*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

### INITIAL PHASE CHECKLIST

CONTRACT NO.: W911KB-04-C-0019

DATE: July 11, 2005, 08:30-09:30

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE WORK: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach

GOVERNMENT REPRESENTATIVE NOTIFIED \_\_\_\_\_ HOURS IN ADVANCE (QAR off island).

**I. Personnel Present, Including Work Crew:**

	NAME	POSITION	COMPANY
1.	Henry Seipt	CQCSM	BEESC
2.	Rollie Goebel	Site Superintendent	BEESC
3.	Mac McDonald	Foreman	BEESC
4.			
5.			
6.			
7.			
8.			

**II. Indicate Exact Location of Feature / Item Inspected:** Numerous locations in the muskeg tundra west of the Cargo Beach Road and north of the road to Sites 24/25, several sites adjacent to the Cargo Beach Road, Site 24 and 25, and in proximity to AFS Ops area.

**III. Materials and Equipment Being Used Are In Strict Compliance With Contract**

**Requirements.** Yes. Road and off-road vehicles to access debris sites, off-road lifting and hauling equipment, hand tools, and debris containers present on NE Cape.

If Not, Explain

**IV. Procedures and / or Work Methods Witnessed Are In Strict Compliance With Contract**

**Requirements:** Yes. The various types of debris will be removed, reduced in size if necessary, and loaded into sea-going containers (connexes), sealed, weighed, and the containers stockpiled for subsequent sea shipment from NE Cape to a designated landfill for disposal. Unpainted wood will be burned on-island and the generated ash collected and disposed of off-island.

If Not, Explain:

**V. Construction Tolerances and Workmanship Standards Are In Strict Compliance**

**With Contract Requirements :** Yes. Workmanship standards, i.e., removal of the USACE designated debris, delineated in Appendix H of the CQC Plan.

State Areas Where Improvement is Needed: \_\_\_\_\_

**VI. Required Inspection and Tests Are Demonstrated and In Strict Compliance With**

**Contract Requirements:** Yes. Visual field checks will be completed to ensure USACE designated debris is found and removed. No testing of any sort is associated with this DFW.

If Not, Explain:

**VII. Safety Procedures of Hazard Analysis Followed:** Yes. Chemical hazards are not anticipated to be encountered during completion of the DFW. Level D PPE should provide adequate safeguards against any physical hazards associated with this DFW.

If Not, Explain Corrective Action: \_\_\_\_\_

**VIII. Instruction Received From Government Representative (Include Any Discussion On Testing, Control Procedures, and Definitive Description of the Agreed On Quality of Workmanship):**

1. None.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 11, 2005

Definable Feature: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach

Government Representative Notified \_\_\_\_\_ Hours in Advance (QAR off island)

CLLIN Activities: CL000904 and CL000906.

**I. Personnel Present:**

Name	Position	Company/Government
H. Seipt	CQCSM	BEESC
T. Petersen	SSHO	BEESC

**II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.**

Comments: Removal of Pole Group B and Pole Line 5 were observed in the field by H. Seipt and/or T. Petersen to evaluate compliance with removal procedures specified in BEESC's Work and Demolition Plan. Both sets of poles were creosote-treated wood.

**III. Completed Work**

Ensure work is complete and in compliance with contract requirements. If not, what action is taken?

On Pole Line 5, all poles were removed from the ground. At Pole Group 5, the poles were not able to be completely removed from the ground, thus, requiring the cutting of the poles at ground level.

**IV. Resolve any differences.**

Record Drawings Updated: N/A

The pole group and the pole line as delineated by the USACE were found in the field.

Date

Corrective Action Log Updated: N/A

Date

Comments: \_\_\_\_\_  
\_\_\_\_\_

**V. Check Safety.**

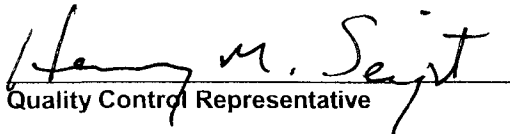
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 11, 2005

Date

Comments: An off-road vehicle and trailer with a boom attachment were used to complete each CLIN activity. The boom was used to lift cut poles into the trailer. At Pole Group B a chain saw (used with appropriate Level D PPE and chaps) was required to reduce the poles into manageable lengths and to cut the poles off at ground level. No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative



## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 11, 2005

Definable Feature: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach

Government Representative Notified \_\_\_\_\_ Hours in Advance (QAR off island)

CLLIN Activities: CL000904 and CL000906.

**I. Personnel Present:**

Name	Position	Company/Government
H. Seipt	CQCSM	BEESC
T. Petersen	SSHO	BEESC

**II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.**

Comments: Removal of Pole Group B and Pole Line 5 were observed in the field by H. Seipt and/or T. Petersen to evaluate compliance with removal procedures specified in BEESC's Work and Demolition Plan. Both sets of poles were creosote-treated wood.

**III. Completed Work**

Ensure work is complete and in compliance with contract requirements. If not, what action is taken?

On Pole Line 5, all poles were removed from the ground. At Pole Group 5, the poles were not able to be completely removed from the ground, thus, requiring the cutting of the poles at ground level.

**IV. Resolve any differences.**

Record Drawings Updated: N/A

The pole group and the pole line as delineated by the USACE were found in the field.

Date

Corrective Action Log Updated: N/A

Date

Comments: \_\_\_\_\_  
\_\_\_\_\_

**V. Check Safety.**

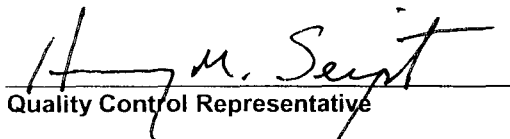
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 11, 2005

Date

Comments: An off-road vehicle and trailer with a boom attachment were used to complete each CLIN activity. The boom was used to lift cut poles into the trailer. At Pole Group B a chain saw (used with appropriate Level D PPE and chaps) was required to reduce the poles into manageable lengths and to cut the poles off at ground level. No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**Date:** 07/11/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls

Level D PPE

Heavy equipment operation

Laborers to maintain safe working distance to equipment and use spotters as necessary.

Exposed gears and pulleys on mechanical equipment to be guarded to eliminate pinch and grab hazards.

Be aware of swing arch distances on excavators and all boom-equipped machinery.

Laborers to make eye contact with operators when working around heavy equipment.

Concept to operators that slow is fast when moving heavy equipment around the site.

General site safety rules reviewed

**Clin No:** CL000904

**Task to be accomplished:** Remove (3) each wooden poles, approximately 8' long, 12-15" diameter. And terminal boxes.

**Observations/Comments:** Laborer Foremen Carl Calugan and 4 others performed the above task. Equipment used: Morooka (MST 2200) and trailer w/Farma 6540 arm extension, chain saw and disc cutter. Terminal boxes were removed from the poles by means of a disc cutter. Then utilizing a chain saw the poles were cut as close to ground surface as possible. The Morooka w/arm extension picked up and placed the pole sections into the trailer. The poles were then taken to the scale, weighed and documented. The materials were then staged, awaiting disposal by burning.

**Recommendations/Comments:** All personnel assigned to this task were familiar with this procedure. Specific safety precautions and hazards were addressed by the SS. PPE was level D with the addition of face shield and chaps for chain saw operations.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 018**

Date or Time Period  
**Tuesday July 12, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Low clouds, light precipitation, light winds (<10 MPH). PM: High clouds, calm.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No

Initial: No

Follow-up: Yes. Pole and debris removal site checks.

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Training on the use, care, stowage, doffing/donning procedures of the half face respirator conducted with Environmental Sampler by SSHO. Discussed PPE limitations, anticipated work place hazards, PCB's hazard, filters and serviceability/inspection of the respirator/mask.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Removed debris adjacent to the Cargo Beach Road south of the fish camp.</li><li>3. Removed debris near beach ramp and along the beach front in the cargo loading area.</li><li>4. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>		<b>7-12-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

**Equipment On Site**

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	
Ford Lube/Fuel Tk	50-201	3							2.5	
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10	4						14.5	
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10	10						4	
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351									
Marooka MST 2200 Flatbed w/reel	50-352	6.5							1.5	
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501	10.5	5						6.5	
Cat 988B loader w/bucket & forks	50-505	10	2						26	
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								3.5	
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200								19.5	
Hitachi EX120 Excavator	51-204		10.5						41	

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	7	8
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL000802, Debris Removal Cargo Beach			95%
Activity: CL000803, Debris Piles Cargo Beach Road			95%
Activity: CL001102, Debris Removal Cargo Beach Road			95%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activities CL000802, CL000803 and CL001102.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05		



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

7/13/05  
Date

John E. Eichel  
Site Superintendent Signature

7-13-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

No QAR on-site. CLIN items are attached at the end of the Daily. Flights today again cancelled due to continued inclement weather; QAR to continue to stand-by for tomorrow Wednesday, 13 July. Beach Access Road clean-up ( CLIN's 803 & 1102 ) and Beach cargo debris removals ( CLIN 802 ) reportedly completed in retrieval the past few days ( Reported satellite tele-comm' failures require further attention on-site ).

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *AOE/QAR* *15 JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 12, 2005

Definable Feature: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach

Government Representative Notified \_\_\_\_\_ Hours in Advance (QAR off island)

CLLIN Activities: CL000903, CL000912 and CL000803.

### I. Personnel Present:

Name	Position	Company/Government
H.Script	CQCSM	BEESC

### II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.

Comments: Inspected three areas where material (poles, cable, and debris) removed.

### III. Completed Work

Ensure work is complete and in compliance with contract requirements. If not, what action is taken?

At Pole Group A, poles were cut off at the ground level. Cable was removed in proximity to Building 98. Two debris piles were removed along the Cargo Beach Road south of the subsidence village.

### IV. Resolve any differences.

Record Drawings Updated: N/A

Date

Corrective Action Log Updated: N/A

Date

Comments: Small lengths of armored cable need to be removed from around Building 98. The cable will be removed in conjunction with the Final Debris Clean Up CLIN.

### V. Check Safety.

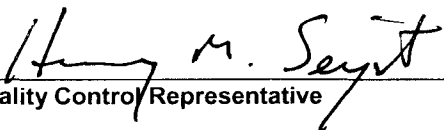
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 12, 2005

Date

Comments: No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**Date:** 07/12/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls

Level D PPE

Thermal Stress (reviewed page 22 of SSHP)

Environmental factors that increase risk of thermal stress at site are wet, cold, and windy conditions

Management of thermal stress includes proper clothing (layering concept), rest periods, and warm up shelters.

General site safety rules reviewed

**Clin No:** CL000803-8

**Task to be accomplished:** Remove (2) piles of mixed wood and steel debris

**Observations/Comments:** Personnel assigned to the task were: Carl Calugan, (5) laborers and (1) equipment operator (Bill Thornton). The SS for the task was Carl Calugan.

The pictures below illustrate the loading of the Morooka with the aid of an excavator. The smaller debris was handled by the laborers, then placed in the Morooka. All personnel were in the proper PPE, level D. The operator was aware of all personnel within the swing arc of the excavator arm. The wood was transported to the scales, weighed, documented and then staged within close proximity of burn area awaiting disposal.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 019**

**Date or Time Period**  
**Wednesday July 13, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low clouds, light winds (<10 MPH).

PM: High clouds, light to moderate winds (< 10 to 20 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No

Initial: No

Follow-up: Yes. Pole and debris removal site checks.

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒



---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. 2 BEESC personnel (Olanna and Curtain) arrived on island.</li><li>3. 1 USACE personnel (Mills) arrived on island.</li><li>4. 1 Arctic Catering personnel (Vicks ) arrived on island.</li><li>5. Removed pole group north of Site 24/25 road.</li><li>6. Removed debris from face of landfill north of AFS Ops area.</li><li>7. Placed plastic liners in soil Baker boxes.</li><li>8. Moved connexes from Cargo Beach to staging site near AFS Ops.</li><li>9. Total personnel: 24.</li></ol>

**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>				
		<b>7-12-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR			

# Equipment On Site

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	
Ford Lube/Fuel Tk	50-201	3							2.5	
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10		10					14.5	
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10	10						4	
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			2						
Marooka MST 2200 Flatbed w/reel	50-352	6.5		4.5					1.5	
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501	10.5	5	8					6.5	
Cat 988B loader w/bucket & forks	50-505	10	2						26	
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								3.5	
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200								19.5	
Hitachi EX120 Excavator	51-204		10.5	10					41	

Materials Received to be Used on or Incorporated into Site

Baker box liners, communications equipment, and miscellaneous small materials arrived.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# **Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	7	8
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL000909, Debris Removal---Landfill Face			95%
Activity: CL000907, Pole Group D			95%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel arrived in AM (Olanna) and one in PM (Curtain).
- One Arctic Catering personnel (Vicks) arrived in PM.
- USACE's (Mills) QAR arrived in PM.
- Completed CLIN activities CL000909 and CL000907

Comments:

- None.

## **COMPLETED CLIN FIELD ACTIVITIES**

<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>
CL000206	7/3/05	CL000101	7/4/05	CL001002	7/5/05	CL00301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

14 m. Seipt  
CQCSM Signature

7/14/05  
Date

[Signature]  
Site Superintendent Signature

7-14-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Weather down in the morning; QAR arrived on-site today via a Security Aviation charter at 2015 hours. CLIN items are attached at the end of the Daily. Poleline Group "D" ( CLIN 907 ) and Landfill face debris removal ( CLIN 909 ) reportedly completed in retrieval the past few days ( Reported satellite tele-comm' failures require further attention on-site ).

QAR reviewed this report on-site on Fri., 15 July.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ACSE* *15 JULY*  
*QAR* *2015*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 13, 2005

Definable Feature: Remove Debris on Lower Mountain, Roads, Pads, and Cargo Beach

Government Representative Notified \_\_\_\_\_ Hours in Advance (QAR off island)

CLLIN Activities: CL000802, CL000803, CL 001102, and CL000907.

### I. Personnel Present:

Name	Position	Company/Government
H. Seipt	CQCSM	BEESC

### II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.

Comments: Inspected three areas where material (poles and debris) removed.

### III. Completed Work

Ensure work is complete and in compliance with contract requirements. If not, what action is taken?

At Pole Group D, poles were cut off at the ground level. Debris piles removed adjacent to the Cargo Beach Road and along Cargo Beach were inspected.

### IV. Resolve any differences.

Record Drawings Updated: N/A

Date

Corrective Action Log Updated: None

Date

SITE TOUR CONDUCTED  
THURS. 14 JULY.

### V. Check Safety.

Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 13, 2005

Date

Comments: No safety incidents occurred during the CLIN activities.

H. Seipt  
Quality Control Representative

S.A. Mills  
Quality Assurance Representative

REVIEWED 16 JULY  
ACOE/QAR

**Date:** 07/13/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls

Level D PPE

Scrap Metal Handling

Sharp edges

Proper lifting technique

Buddy system when lifting—2 man lifting preferred

General site safety rules reviewed

**Clin No:** CL000909-8

**Task to be accomplished:** Remove debris long exposed landfill face, Marston matting, pipe and cable. The exposed face is over 300' long and 3-5' high. Debris located approximately 500' north of AFS Ops.

**Observations/Comments:** Personnel assigned to the task were: SS Mac MacDonald, Operators Bill Thornton and Olaf Matson. The pictures below illustrate the collection, loading and transportation of debris collected at the landfill. Materials were placed into a truck for transport to the scale, weighed then staged for off island disposal. . All personnel maintained the proper PPE, level D for the duration of this task. This mechanical collection process concentrated on surface removal of debris.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 020**

Date or Time Period  
**Thursday July 14, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low clouds, breezy (sustained winds >20 MPH).

PM: Sunny, windy (sustained winds 10-20 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Completed site orientation meeting for 4 new on island arrivals.

---

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Begin soil sampling activities.</li><li>3. Continued placing plastic liners in Baker boxes.</li><li>4. Cut and removed 4 antennas.</li><li>5. Loaded Cummins engines and miscellaneous steel into connexes or onto shipping flats.</li><li>6. Total personnel: 24.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Thursday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-14-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff		10	
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	
Ford Lube/Fuel Tk	50-201	3			5				2.5	
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10		10	10				14.5	
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10	10		3				4	
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			2						
Marooka MST 2200 Flatbed w/reel	50-352	6.5		4.5	5.5				1.5	
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									



Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501	10.5	5	8	8				6.5	
Cat 988B loader w/bucket & forks	50-505	10	2		6				26	
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5				3.5	
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200								19.5	
Hitachi EX120 Excavator	51-204		10.5	10	4				41	

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	9	10
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			
Activity: CL000913, Antennae Removal			95%
Activity: CL000806, Cummins Engine Removal			95%
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)			20%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN activities CL000913 and CL000806.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05		

**Note Activity CL000101 performed on 7/4/05 should read CL000103.**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

11/11/05  
CQCSM Signature

7/15/05  
Date

Rollie Zabel  
Site Superintendent Signature

7-15-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

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Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

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CQCSM Signature

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Date

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Site Superintendent Signature

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Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Safety Tailgate at 0700 hours covered standard field concerns. Morning weather is mild with abundant fog. Crew is applied to more debris retrieval field work; Cummins tractor retrieved from beach and placed on a flatbed ( CLIN 806 ); and antennae removal ( CLIN 913 ), completed. CLIN items are attached at the end of the Daily. Site Supt Rollie Goebel, CQC Hank Seipt, and the QAR toured the entire site today; Truck scale in-place as reported; Cargo Beach Access Road and Cargo Beach area cleaned-up of prior debris; AST tank section underway in plasma torch cutting; Cat-trail improvement not yet attempted due to the fog.

Upon conclusion of the site tour, a couple of discrepancies are noted in the CLIN's of the CQC Plan. The CLIN's numbered 913 and 914 reveal two ( 2 ) antennae for removal from the Site 24 area, when in fact, there are seven ( 7 ). This error appears to be an oversight from the field notes-of-record from 2003. Also, there appears to be an additional, as-yet non-identified pole line group that may have been assumed to be Pole Line Group "C" ( CLIN 905 ) ...

The debris in CLIN 905 is defined to extend from the airstrip in a Southerly direction to the former AFS Operations (AFS Ops ) area. The felled debris is described to be metal poles measuring in length approx'ly 20 feet, and while the exact number is not known, the cited assumption is made for about 50, 2-inch diameter metal poles separated about 100 feet apart. The airstrip trends in a Northeast/ SouthWest direction.

The Ops area is South of the current airstrip. As the Ops area access road proceeds from the airstrip, metal poles are in evidence on the South side of the access road that appear to trend parallel and Southeasterly with the access road, which then about mid-course along the access road, trend Southerly in direction towards the Ops area; but another line of wooden poles appear evident with the unaided eye that commence about 20 lineal yards from the current trailers staging area pad at mid-airstrip, that also trends Southerly, directly towards the Ops area – but this pole line does not appear to be listed in the Plan. From his trailer, the QAR can count 4 weathered wood timbers measuring five ( 5 ) to seven ( 7 ) feet in length situated in a line within 50 lineal yards from the point of observation, trending towards a small knoll some 70 to 100 lineal yards away where other smaller pole-like debris are observed.

QAR reviewed this report on-site on Fri., 15 July.

S.A. Mills ABE/QAR 15 July '05

Date \_\_\_\_\_

Date \_\_\_\_\_

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/14/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



**Date:** 07/14/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Level D PPE  
Cold weather issues  
Hypothermia  
Symptoms of hypothermia  
Means of alleviating hypothermia  
Foods to eat  
Get out of the wind  
Seek warm shelter  
General site safety rules reviewed

**Clin No:** CL000913-9 and CL000914-9

**Task to be accomplished:** Removal of galvanized steel antennas, 60' long SE of site 24.

**Observations/Comments:** On 07132005 the towers were located and flagged each in order to facilitate the removal process. A total of (7) towers were located. (07142005) all towers associated with this task were horizontal on the ground surface. Towers were cut into manageable sections, lifted using the extension arm on the Morooka trailer and placed into the Morooka for transport. The PPE level for the evolution was "D" with the addition of a face shield during cutting. During the initial lifting of the towers it was noted that the support cables for vertical positioning of the towers were still attached. Care should be exercised to ensure that situations where cables are placed under tension are avoided.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 021**

**Date or Time Period**  
**Friday July 15, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: High clouds, light winds (0 to 10 MPH).

PM: Sunny, light winds (0 to 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued soil sampling activities.</li><li>3. Continued placing plastic liners in Baker boxes.</li><li>4. Continued plasma cutting of stockpiled scrap metal.</li><li>5. Weighed and/or stockpiled connexes of scrap metal for off island transport.</li><li>6. 1 BEESC personnel left island in PM.</li><li>7. Total personnel: 23.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Friday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-15-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff		7	Today
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	
Ford Lube/Fuel Tk	50-201	3			5	8			2.5	
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10		10	10	10			14.5	
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10	10		3				4	
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			2						
Marooka MST 2200 Flatbed w/reel	50-352	6.5		4.5	5.5				1.5	
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426									
Cat 980C loader w/bucket & forks	50-501	10.5	5	8	8	6.5			6.5	
Cat 988B loader w/bucket & forks	50-505	10	2		6	8			26	
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5	4			3.5	
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200								19.5	
Hitachi EX120 Excavator	51-204		10.5	10	4	9			41	

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Materials Received to be Used on or Incorporated into Site

Office supplies, sample field test kits, plasma cutter, and vehicle/equipment mechanical parts.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

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## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	10	11
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			50%
Activity: CL000914, Antennae Removal			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)			50%
Activity: CL001402, Soil Removal Excavation Area 31 B			50%
Activity: CL001403, Soil Removal Excavation Area 31 C			50%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E			50%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B			50%
Activity: CL001409, Site Removal Area 13 D & E			50%
Activity: CL000801, Welder Removal			95%
Activity: CL00804, Scrap Metal Removal	15.8 tons		5%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel left island by air charter.
- Completed CLIN activity CL000801.

Comments:

- None.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	10	11
Activity: CL001001, CTP-1			
Activity: CL001003, CTP-3			50%
Activity: CL000914, Antennae Removal			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)	30%	20%	50%
Activity: CL001402, Soil Removal Excavation Area 31 B			50%
Activity: CL001403, Soil Removal Excavation Area 31 C			50%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E			50%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B			50%
Activity: CL001409, Site Removal Area 13 D & E			50%
Activity: CL000801, Welder Removal			95%
Activity: CL00804, Scrap Metal Removal	15.8 tons		5%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel left island by air charter.
- Completed CLIN activity CL000801.

Comments:

- None.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

7/16/05  
Date

[Signature]  
Site Superintendent Signature

7-16-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Safety Tailgate at 0700 hours covered standard field concerns. Morning weather is mild with broken clouds and moderate fog, with fog clearing in afternoon. Site Supt Rollie Goebel reports this is the first view of the mountain today in 10 or 12 days.

As related in this report project summary, crew is applied to more debris retrieval field work. As reported, the CLIN 801 is completed as the previously staged debris-welder machine is secured; AST tank sections continued in plasma torch cutting; Cat-trail improvement not yet attempted due to the fog; QAR worked with the sub-ctr IT (Info Tech') on improving the Government office phone, recorder and computer set-up. QAR also completed a 2-week backlog of project Daily Reports and transmitted same. Preparatory Planning mtgs slated for tomorrow Saturday, 16 July for the mountain work and the tram tower demolitions.

QA Safety Inspections/Observations not noted in above comments:

S.A. Miller     ABE/QAR     16 JULY '05

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grd. And some on grd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/14/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/15/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Level D PPE  
Heavy equipment operation  
Avoid pinch point  
Eye contact with operator when working around heavy equipment  
Material handling and disposal  
Sharp object contact  
Heavy object lifting  
General site safety rules reviewed

**Clin No:** CL001401-14

**Task to be accomplished:** Excavate soil to various depths within excavation 31A, Bldg 1001.

**Observations/Comments:** Observed the removal of possible PCB contaminated soil from Bldg 1001, excavation 31A-1, 2 and 3 respectively. Depth of soil excavated ranged from .5' at 31A-1 to 2.0' at 31A-3. All personnel and equipment maintained an upwind posture to the excavations. PPE level D was observed by all assigned personnel. A plastic liner was placed into each Baker boxes where possible contamination soil was being excavated. The liner, Baker box provided the inner/outer wrap for hazardous materials transportation requirements. After completion of excavations within 31A the bucket of the excavator was scrubbed (decontaminated) to remove any soil to prevent possible cross contamination of the next excavation site.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number

**BEESC Project No. 25037**

UPC/Project Title and Location of Work

**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number

**N. E. Cape 022**

Date or Time Period

**Saturday July 16, 2005**

Client

**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: High clouds, light precipitation calm to light winds (0 to 10 MPH). PM: High clouds, light to moderate precipitation, calm to light winds (0 to 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: Yes. 1) Demolish Tram and Water Line and 2) Remove Debris on Upper Mountain

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

---

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed soil sampling excavations, but no sampling initiated.</li><li>3. Continued plasma cutting of stockpiled scrap metal.</li><li>4. Completed removal of antennas.</li><li>5. Completed concrete pad removal of CTP 13-1.</li><li>6. Weighed and/or stockpiled connexes of scrap metal, soil, and concrete for off island transport.</li><li>7. Initiated clean up around Site 24</li><li>8. Total personnel: 23.</li></ol>



**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-16-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

# Equipment On Site

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	3			5	8	8	24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10		10	10	10	10	50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	10	10		3		2	25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			2				2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	6.5		4.5	5.5		10	26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426						9	9	0	9
Cat 980C loader w/bucket & forks	50-501	10.5	5	8	8	6.5	4.5	42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	10	2		6	8	3	29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5	4	3	12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204		10.5	10	4	9	10	43.5	41	84.5

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	11	12
Activity: CL001001, CTP-1	45%	50%	95%
Activity: CL001003, CTP-3			
Activity: CL000914, Antennae Removal			95%
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)		50%	50%
Activity: CL001402, Soil Removal Excavation Area 31 B		50%	50%
Activity: CL001403, Soil Removal Excavation Area 31 C		50%	50%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E		50%	50%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B		50%	50%
Activity: CL001409- CL001410, Site Removal Area 13 D & E		50%	50%
Activity: CL001406-CL001408, Site Removal Area 13 A , 13 B & 13C	50%		50%
Activity: CL00804, Scrap Metal Removal	15.8 tons		5%
Activity: CL001105, Clean up of 1 acre around Site 24			5%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel left island by air charter.
- Completed CLIN activities CL001001 and CL000914.

Comments:

- None.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/18/05  
Date

Robert Jacobel  
Site Superintendent Signature

7-18-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Safety Tailgate at 0700 hours covered standard field concerns. Morning weather is mild with a low ceiling and fog on the mountain that clears by noon. Broken clouds through the latter day with a light shower in early afternoon.

As related in this report project summary, crew is applied to more debris retrieval field work. As reported, the CLIN's 804, 914 & 1001 are completed; AST tank sections continued in plasma torch cutting; Sites 24 & 25 continued in debris removals; and Cat-trail improvement briefly explored as was the lower mtn along the tram towers area. QAR worked with the sub-ctr. Preparatory Planning mtgs in tram & water line demolition and the upper mountain debris removals conducted at 0830 hours.

Contractor has re-submitted an updated Pay Estimate No. 002; QAR is working on the extended review for an Initial Administrative Letter; Safety observed throughout. Crew is expected to be "off" tomorrow.

QA Safety Inspections/Observations not noted in above comments:

S.A. Mills AGE/QAR 17 July 2005

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (7/16/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/14/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## PREPARATORY INSPECTION CHECKLIST

CONTRACT NO: W911-KB-04-C-0019

DATE: 7/16/05, 9:15-10:30

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE OF WORK: Remove Debris on Upper Mountain

GOVERNMENT REPRESENTATIVE NOTIFIED ON 7/13/05 FOR SCHEDULING OF THE PREPARATORY MEETING.

### I. Persons Required To Attend

Name	Position	Company/Government
Henry Script	CQCSM	BEESC
Rollie Goebel	Site Supervisor	BEESC
Mac McDonald	Crew Foreman	BEESC
Carl Calugan	Laborer Forman	BEESC
Toby Petersen	SSHO	BEESC
Sam Mills	QAR	USACE

### II. Contractor/Subcontractors Involved With Activity

1. Yes. Insurance current & on hand?
2. No construction subcontractors used in field Insurance current & on hand?
3. \_\_\_\_\_ Insurance current & on hand?

### III. Submittal Review

Have all transmittals been submitted and approved? Yes. All project plans have been submitted to the USACE and have been approved.

What items are delinquent or awaiting comments/approval?

1. No items are delinquent or awaiting comments/approval.  
All equipment and personnel to complete the scope of work are present on Saint Lawrence Island.  
Testing of equipment has been completed on island prior to its utilization on site work.  
No field or analytical testing are required in this DFW.
2. \_\_\_\_\_

What items require re-submittal and why? \_\_\_\_\_

1. None.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?  
Yes.

List of items you want to ensure were covered:

DFW Tasks: Demolish Tram and Water Line as delineated in the Work and Demolition Plan, Sections 5.4 and the SSHP, Section 2.4

Accident Prevention Plan---EM 385-1-1 (2003) in use at the site, Specifically Section 13, Hand and Power Tools, and Section 16 Machinery and Mechanized Equipment

Tasks associated with the DFW are delineated in the Work and Demolition Plan, Section 5.4 and in Appendix H of the CQC Plan

Task specific safety and health issues are address in the SSHP, Section 5.4

General site safety and health issues related to the task are delineated in the Activity Hazard Analysis, Table # 8 (Tram Tower Demolition) in the SSHP.

The SSHP requires the wearing of reflective vests in addition to standard/modified Level D PPE

Task Associated SSHP topics include:

Heavy Equipment Operation, Section 4.2.1

Vehicle Inspections, Section 4.2.2

Operator Qualifications, Section 4.2.3

Equipment and Vehicle Safe Work Practices, Section 4.2.4

Site Roads and Slopes, Section 4.2.6

Weather Hazards, Section 4.2.7Slips,

Trips and Falls, Section 4.2.11

## PREPARATORY INSPECTION CHECKLIST

### V. List of Specific Construction Tolerances/Testing

1. None. No sort of tolerance specification or testing is associated with the DFW. However, some debris will require size reduction to enable loading of the material into sea-going containers,
2. \_\_\_\_\_
3. \_\_\_\_\_

Are all reference publications/manufacturer's recommendations on hand and reviewed? \_\_\_\_\_ N/A

### VI. Material/Equipment Review

Are all materials as submitted? \_\_\_\_\_ Yes

Do materials comply with Buy America Act? \_\_\_\_\_ N/A

Is equipment required? \_\_\_\_\_ Yes

Have equipment checklists been provided? Provided in daily report. \_\_\_\_\_ Yes

### VII. Safety/Job Hazard Analysis

Was Hazard Analysis submitted for review prior to prep? In submitted Work and Demo Plan \_\_\_\_\_ Yes

Are there additions for JHA and were they incorporated? \_\_\_\_\_ No

Are Material Safety Data Sheets on hand and reviewed? In binder in Site Supervisor's office. \_\_\_\_\_ Yes

Does Resident Office have copies of 1566 and insurance? \_\_\_\_\_ Yes

Have items in Site Safety Health Plan been reviewed? \_\_\_\_\_ Yes

Is there a confined space? \_\_\_\_\_ No

### VIII. Any Additional Concerns

Are there permits required for work? Hot Work Permit \_\_\_\_\_ No

Is notification for outage required? \_\_\_\_\_ No

What is time frame for any notifications? \_\_\_\_\_ N/A

What NAS Numbers are covered/used with this work? \_\_\_\_\_

Did CQC cover all elements on their checklists? \_\_\_\_\_ Yes/No

Has prep been completed successfully? \_\_\_\_\_ Yes/No

Henry M. Serr  
Quality Control Representative

B.A. Mills ALBE QAR  
Quality Assurance Representative

## 2.4 TASK-SPECIFIC ACTIVITIES

The Scope of Work requires that a variety of tasks and activities be accomplished for each of the work sites. Those tasks and activities include the following:

- **Barge Loading and Unloading.** Excavated soil and demolition debris will be packaged at the site in Conexes. Workers will remain at a safe distance during the loading of these Conexes and will not stand under the loader or adjacent to the Conex being loaded.
- **Concrete Pad Testing and Removal.** Concrete transformer pads are suspected of containing PCBs from spills. PCB-contaminated concrete will be mechanically removed to a depth of approximately 0.25 inch. Appropriate worker protection will be required for this activity in accordance with the activity hazard analysis (AHA) (Appendix A).
- **PCB Soil Removal and Disposal.** A limited amount of stained soil will be removed and excavated during operations. The soil will be taken to a lined stockpile area where it will be tested to determine disposal options in accordance with the EPP.
- **Cat Trail Repair.** The Cat Trail to the Upper Mountain is completely washed out in one location and is in generally poor condition in many other sections. The trail must be repaired to access the Upper Mountain with construction equipment, and significant repair work is necessary. Because the Cat Trail is very steep and exceeds the EM 385-1-1, Section 21.1.07b, maximum allowable grade of 10 percent, a waiver request was submitted to the USACE to use the trail with the existing grades and has been approved.
- **Debris Removal and Staging.** Many of the sites at the NE Cape facility have miscellaneous debris ranging in size from very small to large items, such as old D-8 tractors. This debris will be collected manually and by using heavy equipment. Most of the debris can be reached from existing roads; in some cases, it will be collected after road improvement is completed. In instances where equipment is required for debris removal in the tundra, low-ground-pressure equipment will be used. The debris will be hauled to one or more staging areas, as directed by the WDP. Debris will be wetted and covered as necessary before hauling to prevent visible emissions. Debris will be placed in appropriate storage containers and staged at the Conex Storage Area shown on Figure 11.
- **Water Collector Decommissioning.** Wells at the site will be decommissioned in accordance with Alaska Department of Environmental Conservation procedures and the WDP.
- **Tower Demolition.** Demolition of the tram system will involve special requirements described in the WDP. These include specialized use of fall protection and use of heavy equipment and/or vehicles on grades in excess of 10 percent, which is normally prohibited by the USACE's EM 385-1-1. Because of the extreme slopes of the natural terrain, which cannot be engineered to conform to the 10 percent slope rule, a waiver

## 1    **Step 4 – Pick Up Lines and Repair Surface Disturbance**

2    BEESC will use a hydraulic cable reel to pick up the lines. The cable reel will be mounted on  
3    a Bailey trailer and will be used to wind the lines into coils. A crew of laborers using hand  
4    tools will follow the cable coiling operation and repair/reseed any surface disturbance caused  
5    by the activities. Cable coils will be weighed at the truck scale and then taken to the debris  
6    staging area pending off-island recycling or disposal.

## 7    **4.3.5    Miscellaneous Debris Removal**

### 8    **Debris Field No. 1**

9    Debris Field No. 1 is located north of the Upper Tram Building at Site 33/34 on the mountain  
10    slope under and adjacent to the tramline. It consists of miscellaneous wind-blown debris,  
11    including wood, metal, transite siding, cement-asbestos board, insulation, a battery, old paint  
12    cans, etc. The primary difficulty and risk of work at this debris field is related to the extreme  
13    slope of the mountainside. In most places, the slope approaches or exceeds 45 degrees. To  
14    accomplish this cleanup, special worker safety precautions are required. These are discussed  
15    in detail in Section 4.4.1 of the SSHP.

16    A tracked trailer or skid, approximately 20 feet long by 8 feet wide, will be modified to serve  
17    as a collection skid. The intent is to use a winch-equipped bulldozer to lower the collection  
18    skid downslope to the desired point. A safety line mounted to a separate fixed object capable  
19    of holding the loaded skid will be payed out with the haul cable to secure the skid should the  
20    haul cable fail.

21    After the collection skid is positioned, two workers outfitted with safety harnesses will  
22    descend fixed 11-millimeter static lines, one on each side of the skid. The workers will self-  
23    belay with Jumar ascending devices that attach each worker to the static line. The Jumar is  
24    hand-operated by the worker and allows him/her to ascend or descend at will. The workers  
25    will be trained to prevent slack from forming in the static line to which they are attached.  
26    This will prevent the workers from falling more than a short distance should footing be lost or



other incident occur. Once in position alongside the collection skid, the workers will collect the debris by hand and place it in the skid. At no time will the workers be allowed to descend behind the collection skid. They will always work alongside or above it.

When the collection skid is full, the workers will ascend the slope by walking uphill and sliding the Jumars ahead of them to maintain protection should they fall. Once they have reached the top and are secure, the collection skid will be winched to the top of the slope. The safety line will be hoisted concurrently, but not tensioned, to act as an immediate brake should the haul cable fail. At the top of the slope, the collection skid will be hand-sorted to remove asbestos-containing material (ACM) items, and then lifted and dumped into a Morooka for transport down the mountain to the truck scale for packaging for disposal.

## **Debris Field No. 2**

Debris Field No. 2 is located south of the cable cart enclosure, radome, and Upper Quarters Building at Site 33/34. As with Debris Field No. 1, Debris Field No. 2 consists of miscellaneous debris, including wood, metal, wire, transite siding, cement-asbestos board, insulation, etc. Also within the debris field are two electronic control boxes and a former tank that is cut in half. BEESC anticipates that 55-gallon drums may also be present in Debris Field No. 2. If encountered, drums will be handled as described in Section 4.4.3 of the SSHP. Because Debris Field No. 2 is low-angle and has road access across the southern boundary, the safety precautions required for cleanup of Debris Field No. 1 are not required for Debris Field No. 2. Debris will be collected and transported to the truck scale for packaging for disposal.

BEESC will remove only easily retrievable and surface debris from the debris fields. In some cases, pipes and other partially buried items may be cut off at the surface. BEESC will not sift through the windrowed rock to uncover debris.

**Gravel Drums at Former Upper Tram Building**

There are approximately 30 gravel-filled 55-gallon drums lying on the east side of the former Upper Tram Building location. BEESC will empty the gravel from the drums and then transport the drums off-island for disposal as scrap metal.

**Cargo Beach Road Landfill**

The debris at the Cargo Beach Road landfill includes cable and wire, a pressure tank, Marston matting, wrecked equipment, and assorted steel debris and wood. The debris lies along the base of the steep embankment at the east edge of Cargo Beach Road. Debris is reportedly not part of the landfill itself, and was apparently pushed off the edge of the road to its current location. BEESC will remove 50 tons of debris from the base of the embankment and dispose of it off-island.

**4.3.6 Water Collector Decommissioning**

One water collector will be decommissioned at Site 32. The water collector will be abandoned by removing the ladder, cutting off the corrugated metal pipe below grade, and backfilling the hole with clean fill until it is flush with the gravel surface of the stream bed.

**4.3.7 Mitigate PCB-contaminated Concrete**

The scope of work includes mitigating up to approximately 5,200 square feet of PCB-contaminated concrete floor slabs as summarized in Table 4-3.

## 5.5 UPPER MOUNTAIN DEBRIS TRANSPORT

Three Morooka 2200 tracked carriers will be used to transport debris down the mountain. The Morooka can safely carry 5 tons. This is the same haul equipment we used to transport debris down the mountain in 2003. BEESC estimates an approximate 2-hour round-trip transit time using the Morooka 2200. The debris transport equipment and procedures is described in detail in the Cat Trail Waiver Request (Appendix A).

## **DFW SPECIFIC HAZARDS**

- Equip one person per field area with a firearm. Individuals assigned firearms will keep the weapon under safe control at all times. After working hours, all firearms will be locked and secured by the SS.

#### **4.3.2 Foxes**

Rabid cross foxes may also be encountered at the NE Cape site. Extreme caution should be exercised to avoid any work activities in close proximity to a cross fox. Work in areas that cross foxes may inhabit should always be performed in pairs.

### **4.4 TASK-SPECIFIC HAZARDS**

The following sections describe in greater detail the hazards associated with each specific task. Appendix A contains AHA tables, completed in accordance with the USACE's EM 385-1-1, identifying the activity, potential hazards, controls and inspections, training, PPE, and monitoring required for each task.

#### **4.4.1 Nonhazardous Debris Removal and Staging**

Nonhazardous debris removal and staging will be performed in accordance with the WDP. One of the hazards involved with this activity is lifting debris or drums with sharp edges. The edges of the metal debris can cause cuts. Level D PPE will be worn while collecting and staging nonhazardous debris. All workers lifting nonhazardous debris will wear leather or cut-resistant gloves. Lifting the debris can cause back problems if a worker tries to lift too much or lifts in an improper fashion. Debris weighing more than 60 pounds will be lifted by at least two people. When lifting the debris, ensure that proper lifting techniques are used, including bending at the knees and keeping one's back vertical. Some of the debris may be lifted and staged by heavy equipment. Site workers need to be aware of vehicular traffic at all times and stay in clear view of the equipment operators. If heavy equipment is used, then site workers will wear reflective traffic vests to increase their visibility.

Debris Field No. 1 is located north of the Upper Tram Building at Site 33/34 on the mountain slope under and adjacent to the tramline. It consists of miscellaneous wind-blown debris. This debris field is not reported to contain containerized hazardous and toxic waste (Con-

1    ITW) or drums. The primary difficulty and risk of work at this debris field is related to the  
2    extreme slope of the mountainside. In most places, the slope approaches or exceeds 45  
3    degrees. To accomplish this cleanup, special worker safety precautions are required.

4    A tracked trailer or skid will be modified to serve as a collection skid. The intent is to use a  
5    skid-mounted winch or a winch-equipped bulldozer to lower the collection skid down slope to  
6    the desired point. A safety line mounted to a separate fixed object capable of holding the  
7    loaded skid will be payed out with the haul cable to secure the skid should the haul cable fail.

8    After the collection skid is positioned, two workers outfitted with safety harnesses will  
9    descend fixed 11-millimeter (mm) static lines, one on each side of the skid. The workers will  
10   self-belay with Jumar ascending devices that attach each worker to a static line. The Jumar is  
11   hand-operated by the worker and allows him or her to ascend or descend at will. The workers  
12   will be trained to prevent slack from forming in the static line to which they are attached.  
13   This will prevent the workers from falling more than a short distance should footing be lost or  
14   other incident occur. Once in position alongside the collection skid, the workers will collect  
15   the debris by hand and place it in the skid. At no time will the workers be allowed to descend  
16   behind the collection skid. They will always work alongside or above it.

17   When the collection skid is full, the workers will ascend the slope by walking uphill and  
18   sliding the Jumar ahead of them to maintain protection should they fall. Once they have  
19   reached the top and are secure, the collection skid will be winched to the top of the slope. The  
20   safety line will be hoisted concurrently, but not tensioned, to act as an immediate brake should  
21   the haul cable fail. At the top of the slope, the collection skid will be lifted and dumped into a  
22   Morooka for transport down the mountain to the truck scale and baling facility.

#### 23    **4.4.2    Antenna and Power Pole Removal**

24   Antenna and power pole removal will be performed in accordance with the WDP. The  
25   antennas and power poles are made of either wood or metal. Some of the poles are held in  
26   place with guy wires. Hazards associated with the removal of these structures differ slightly  
27   depending on whether the pole is wood or metal. Level D PPE will be worn while removing

If a worker slips, loses his grip or otherwise activates his arresting equipment, the worker will not be suspended at a height. However the worker may be suspended adjacent to the tower structure. If this occurs the worker will slowly reorient to face the tower structure and reestablish secure grip and footing. When secure, the worker will immediately, but slowly climb down the tower and perform self inspection for injury and inspect the fall arrest equipment for any damage prior to using again.

*In the event of a worker not being able to self-rescue from being suspended by the fall arrest system a worker will be positioned to “standby” to provide assistance. The standby worker will also use a tower climbing harness and lanyard if needed to go aloft to provide assistance.*

The base of each line tower will be cut with a cut-off saw or portable cutting torch, beginning on the downhill side and leaving a flange of steel on the uphill side to act as a pivot point. Once the line tower has been pulled over onto its side, the remaining flange of steel will be cut, and the line tower will be hoisted up slope to the crest of the mountain.

Crews using man-portable cutting equipment will demolish Line Towers 4 through 8 and Tram Tower 3. The remaining tram and line towers and cables can be accessed by heavy equipment from the Cat Trail or from beneath the tramline. These structures will be demolished by an excavator equipped with a hydraulic shear.

#### **4.4.12 Cat Trail Repairs**

In 2003, BEESC improved the Cat Trails and used them to haul approximately 600 tons of debris from Sites 33/34 down the mountain. Section 21.1.07(b) of the USACE’s *Safety and Health Requirements Manual*, EM-385-1-1, dated September 3, 1996 (USACE, 1996), prohibited heavy equipment use on grades in excess of 10 percent. BEESC applied for a waiver to Section 21.1.07(b) on October 16, 2002. The USACE granted the waiver on April 10, 2003. The improvements to the Cat Trails were completed between July 8 and July 11, 2003, and the debris haul was successfully completed on August 10, 2003. This work was performed as part of the White Alice Site Removal Action project (USACE Contract No. DACA85-02-C-0011).

Based on the observations made during our 2003 work, BEESC estimates there are between 50 and 100 tons of waste and debris on the upper mountain that must be transported to the beach for off-island disposal under this contract. We estimate that 10 to 20 round trips will be required in 2005 to move the waste and debris down the mountain. Repairing/improving and using the existing Cat Trails is the only safe, practicable way to complete this work. Therefore, BEESC has applied for and received a waiver to Section 08.D.10(c) of the USACE's *Safety and Health Requirements Manual*, EM-385-1-1, dated November 3, 2003. The Waiver Request and resulting waiver are presented as Appendix E.

#### 4.4.13 Air Field Operations

BEESC will use the existing airstrip at NE Cape, but improvements will be required. BEESC will provide air-to-ground communication between the site and aircraft within "line of sight" of the airfield. The Physician's Assistant (PA) will function as the ground contact and observation person for aviation activities at the NE Cape. Under a separate agreement, Bering Air will supply communications equipment for contact between the site and aircraft. The PA will have knowledge of weather observation descriptions under the National Weather Service METAR reporting systems. The PA will observe and report weather conditions such as visibility, wind direction, wind velocity (including gusts) and temperature. A large, heavy-duty wind sock will be installed at each end of the runway.

Before airfield operations, runway hazard markings (weighted cones) will be placed at 200-foot intervals and "soft" spots on the airstrip will be clearly identified. When in use, a 250-foot setback from the airstrip centerline will be maintained so that materials and equipment movement does not interfere with aircraft operations. Airstrip shoulders will not be used as roadways during airfield operations. No materials will be stored within this area, except with USACE specific approval. Additionally, the access trail to the beach at the northeast end of the airstrip will be blocked with warning signs to prevent use during flight operations. The trail itself will not be used for storage of equipment or materials.

Before daily flight operations, an inspection and maintenance of the airstrip surface will be performed and any debris discovered will be removed. Due to weather conditions,



## **GENERAL PROJECT HAZARDS**

Activity Hazard Analysis No. 1  
Debris Removal and Staging

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Removal by hand and General Site Work	<p>Slips, trips, falls</p> <p>Back Injury</p> <p>Crushing Injuries</p> <p>Dropped Objects</p> <p>Eye Injury / Hearing Loss</p> <p>Falls from steep slopes</p> <p>Struck by equipment/objects</p>	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• Wear D-ring harness w/ restraint cable system at approved anchor points</li> <li>• Wear required PPE</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control and Watchman</li> </ul>

**Activity Hazard Analysis No. 1**  
**Debris Removal and Staging (cont.)**

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Vehicle Operation	Rollover	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> <li>• Use Seatbelts/ROPS</li> <li>• For ATVs, gloves and helmets are required.</li> <li>• Utilize only licensed and trained operators.</li> <li>• Ensure equipment is not operated on excessive grades to prevent rollovers.</li> </ul>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
Equipment to be Used	Inspection Requirements	Training Requirements
Trucks, Hand Tools, Graders, Bulldozers, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site Specific Training – Toolbox safety meetings, Fall Protection System (if applicable)</li> </ul>

Activity Hazard Analysis No. 9,  
Cat Trail Repair & Maintenance

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Site Prep	<p>Slips, trips, falls</p> <p>Back Injury</p> <p>Crushing Injuries</p> <p>Dropped Objects</p> <p>Eye Injury / Hearing Loss</p> <p>Falls from steep slopes</p> <p>Struck by equipment/objects</p>	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE: <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• Wear D-ring harness w/ restraint cable system at approved anchor points</li> <li>• Wear required PPE (and high visibility vests where appropriate)</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control &amp; Watchman</li> </ul>

Activity Hazard Analysis No. 9, Cat Trail Repair & Maintenance (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Vehicle Transport (on Cat Trails) (cont.)	Brake Failure          Collision	<ul style="list-style-type: none"> <li>• Daily inspection of brake systems</li> <li>• Use redundant brake systems               <ul style="list-style-type: none"> <li>◦ All Bulldozers: Primary braking applied by service &amp; steering brakes + engine braking (1<sup>st</sup> &amp; 2<sup>nd</sup> gear only). Emergency braking is available by dropping the dozer blade</li> <li>◦ Morookas &amp; Excavators: Hydrostatic drive system brakes with emergency "fail safe" spring-loaded brakes (activated by loss of hydraulic pressure).</li> </ul> </li> <li>• Runaway ramps at Trail Points (TPs) 6, 9, 13, 18, 20 and 22 will be made useable. Soil berms (5 ft height, minimum) will be added to each runout.</li> <li>• Establish 1-way traffic control &amp; communications on Tram Line Cat Trail and at TP # &amp; 26               <ul style="list-style-type: none"> <li>◦ Two-way radios will be in all equipment cabs to coordinate movement</li> <li>◦ Where warranted personnel (wearing high visibility vests) will direct traffic</li> <li>◦ Establish holding points at TPs 6, 9, 13, 20 and 22 to provide safe passage of equipment headed in opposite directions.</li> </ul> </li> <li>• In two-way traffic areas, unloaded (or uphill moving) equipment will yield to loaded (or downhill moving) equipment</li> </ul>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>

Activity Hazard Analysis No. 9,  
Cat Trail Repair & Maintenance (cont.)

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Vehicle Operation	<p>Rollover</p> <p>Workers struck by equipment</p> <p>Brake Failure</p>	<ul style="list-style-type: none"> <li>Stay within the speed limit specified (generally 3 MPH).</li> <li>Follow manufacturer's recommended payload.</li> <li>Use Seatbelts/ROPS</li> <li>Utilize only licensed and trained operators (20+ years experience, minimum).</li> <li>Ensure equipment is operated within OEM approved range on excessive grades</li> <li>Wear required PPE (and high visibility vests where appropriate)</li> <li>Backup Alarms on all equipment</li> <li>Traffic control &amp; Watchman</li> <li>Daily inspection of brake systems</li> <li>Use redundant brake systems <ul style="list-style-type: none"> <li>All Bulldozers: Primary braking applied by service &amp; steering brakes + engine braking (1<sup>st</sup> &amp; 2<sup>nd</sup> gear only). Emergency braking is available by dropping the dozer blade</li> <li>Morookas &amp; Excavators: Hydrostatic drive system brakes with emergency "fail safe" spring-loaded brakes (activated by loss of hydraulic pressure).</li> </ul> </li> <li>Runaway ramps at Trail Points (TPs) 6, 9, 13, 18, 20 and 22 will be made useable. Soil berms (5 ft height, minimum) will be added to each runout.</li> </ul>
Vehicle Transport (on Cat Trails)	Rollover	<ul style="list-style-type: none"> <li>Stay within the speed limit specified (generally 3 MPH).</li> <li>Follow manufacturer's recommended payload.</li> <li>Use Seatbelts/ROPS</li> <li>Utilize only licensed and trained operators (20+ years experience, minimum).</li> <li>Leverage knowledge of local hires familiar with operating equipment on Cat Trails</li> <li>Ensure equipment is operated within OEM approved range on excessive grades</li> </ul>

Activity Hazard Analysis No. 9,  
Cat Trail Repair& Maintenance (cont.)

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Equipment to be  
Used

Inspection  
Requirements

Training Requirements

Hand Tools, Graders,  
Bulldozers, Excavators,  
Loaders\*\*

Daily inspection of  
equipment prior to  
operation

- Utilize only trained (20+ yrs recommended) and experienced operators for operation of equipment.
- Site Specific Training – Toolbox meetings, specific briefing on traffic rules, speed limits and OEM limitations of equipment for working on slopes
- Leverage experience of local hires with experience in operating equipment on Cat trails

\*\*Equipment specific to this AHA is:

- Cat D-5 through D-8 bulldozers,
- Morooka 1500 and 2200
- Hitachi EX 300 Excavator
- Link-Belt 3400 and 4300 Excavators
- Cat 12-class Grader

## **RELEVANT USACE HAZARD TOPICS**



## SECTION 16

# MACHINERY AND MECHANIZED EQUIPMENT

### 16.A GENERAL

16.A.01 Before any machinery or mechanized equipment is placed in use, it shall be inspected and tested in accordance with the manufacturer's recommendations and requirements of this manual and shall be certified in writing by a competent person to meet the manufacturer's recommendations and requirements of this manual. Subsequent reinspections will be conducted at least annually thereafter. All safety deficiencies noted during the inspection shall be corrected prior to the equipment being placed in service at the project. If at anytime the machinery or mechanized equipment is removed and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

a. The Contractor shall keep records of tests and inspections. These records shall be made available in a timely manner upon request of the GDA and, when submitted, shall become part of the official project file.

b. The Contractor shall provide the GDA ample notice in advance of any equipment entering the site so that he/she may observe the Contractor's inspection process and so that spot checks may be conducted.

#### 16.A.02 Daily/shift inspections and tests.

a. All machinery and equipment shall be inspected daily (when in use) to ensure safe operating conditions. The employer shall designate competent persons to conduct the daily inspections and tests.

b. Tests shall be made at the beginning of each shift during which the equipment is to be used to determine that the brakes

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and operating systems are in proper working condition and that all required safety devices are in place and functional.

16.A.03 Whenever any machinery or equipment is found to be unsafe, or whenever a deficiency that affects the safe operation of equipment is observed, the equipment shall be immediately taken out of service and its use prohibited until unsafe conditions have been corrected.

- a. A tag indicating that the equipment shall not be operated, and that the tag shall not be removed, shall be placed in a conspicuous location on the equipment. **>See Section 8.** Where required, lockout procedures shall be used. **> See Section 12.**
- b. The tag shall remain in its attached location until it is demonstrated to the individual deadlining the equipment that it is safe to operate.
- c. When corrections are complete, the machinery or equipment shall be retested and re-inspected before being returned to service.

16.A.04 Machinery and mechanized equipment shall be operated only by designated qualified personnel.

- a. Machinery or equipment shall not be operated in a manner that will endanger persons or property nor shall the safe operating speeds or loads be exceeded.
- b. Getting off or on any equipment while it is in motion is prohibited.
- c. Machinery and equipment shall be operated in accordance with the manufacturer's instructions and recommendations.
- d. The use of headphones for entertainment purposes (e.g., AM/FM radio or cassette) while operating equipment is prohibited.

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maintenance and repairs conducted during the life of a contract shall be made available upon request of the GDA.

b. All machinery or equipment shall be shut down and positive means taken to prevent its operation while repairs or manual lubrications are being done. Equipment designed to be serviced while running are exempt from this requirement.

c. All repairs on machinery or equipment shall be made at a location that will protect repair personnel from traffic.

d. Heavy machinery, equipment, or parts thereof that are suspended or held apart by slings, hoist, or jacks also shall be substantially blocked or cribbed before personnel are permitted to work underneath or between them.

16.A.09 Bulldozer and scraper blades, end-loader buckets, dump bodies, and similar equipment shall be either fully lowered or blocked when being repaired or when not in use. All controls shall be in a neutral position, with the engines stopped and brakes set, unless work being performed on the machine requires otherwise.

16.A.10 Stationary machinery and equipment shall be placed on a firm foundation and secured before being operated.

16.A.11 All mobile equipment and the areas in which they are operated shall be adequately illuminated while work is in progress.

16.A.12 Equipment powered by an internal combustion engine will not be operated in or near an enclosed area unless adequate ventilation is provided to ensure the equipment does not generate a hazardous atmosphere.

16.A.13 All vehicles that will be parked or are moving slower than normal traffic on haul roads shall have a yellow flashing light or four-way flashers visible from all directions.

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16.A.19 No modifications or additions that affect the capacity or safe operation of machinery or equipment shall be made without the manufacturer's written approval.

- a. If such modifications or changes are made, the capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.
- b. In no case shall the original safety factor of the equipment be reduced.

16.A.20 Steering or spinner knobs shall not be attached to the steering wheel unless the steering mechanism prevents road reactions from causing the steering handwheel to spin. When permitted, the steering knob shall be mounted within the periphery of the wheel.

16.A.21 Safeguards shall be provided to prevent machinery and equipment operating on a floating plant from going into the water.  
> **See also 16.F.06.**

16.A.22 All powered-industrial trucks shall meet the requirements of design, construction, stability, inspection, testing, maintenance, and operation defined in ANSI/ASME B56.1.

16.A.23 All powered-industrial trucks, lift trucks, stackers, and similar equipment shall have the rated capacity posted on the vehicle so as to be clearly visible to the operator. When the manufacturer provides auxiliary removable counterweights, corresponding alternate rated capacities also shall be clearly shown on the vehicle. The ratings shall not be exceeded.

16.A.24 Only trained and authorized operators shall be permitted to operate a powered-industrial truck. Training must be both classroom and practical operation of the same type of truck the student uses on the job. Training shall be provided in accordance with OSHA Standard 29 CFR 1910.178. The employer must certify that the operator has been trained and evaluated as required by the standard. The certification shall include the name of the operator,

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16.A.33 Tire service vehicles shall be operated so that the operator will be clear of tires and rims when hoisting operations are being performed. Tires large enough to require hoisting equipment will be secured from movement by continued support of the hoisting equipment unless bolted to the vehicle hub or otherwise restrained.  
> **Also see 16.B.06.**

16.A.34 Each bulldozer, scraper, dragline, crane, motor grader, front-end loader, mechanical shovel, backhoe, and other similar equipment shall be equipped with at least one dry chemical or CO<sub>2</sub> fire extinguisher with a minimum rating of 5-B:C.

16.A.35 Fill hatches on water haul vehicles shall be secured or the opening reduced to a maximum of 8 in (20.3 cm).

## **16.B GUARDING AND SAFETY DEVICES**

16.B.01 Reverse signal (back-up) alarm.

a. All self-propelled construction and industrial equipment, whether moving alone or in combination, shall be equipped with a reverse signal alarm. > **Equipment designed and operated so that the operator is always facing the direction of motion does not require a reverse signal alarm.**

b. Reverse signal alarms shall be audible and sufficiently distinct to be heard under prevailing conditions.

c. Alarms shall operate automatically upon commencement of backward motion. Alarms may be continuous or intermittent (not to exceed 3-second intervals) and shall operate during the entire backward movement.

d. Reverse signal alarms shall be in addition to requirements for signal persons.

16.B.02 A warning device or signal person shall be provided where there is danger to persons from moving equipment, swinging loads, buckets, booms, etc.

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installed on split rims, or rims equipped with locking rings of similar devices. > **Also see 16.A.33.**

16.B.07 No guard, safety appliance, or device shall be removed from machinery or equipment, or made ineffective, except for making immediate repairs, lubrications, or adjustments, and then only after the power has been shut off. All guards and devices shall be replaced immediately after completion of repairs and adjustments and before power is turned on.

16.B.08 Seatbelts and anchorages meeting the requirements of 49 CFR 571 shall be installed and worn in all motor vehicles (installation and usage on buses is optional). Two-piece seat belts and anchorages for construction equipment shall comply with applicable Federal specifications or Society of Automotive Engineers (SAE) Standard J386.

16.B.09 All high rider industrial trucks shall be equipped with overhead guards that meet the structural requirements defined in paragraph 4.21 of ANSI/ASME B56.1.

16.B.10 Suitable protection against the elements, falling or flying objects, swinging loads, and similar hazards shall be provided for operators of all machinery or equipment. Glass used in windshields or cabs shall be safety glass.

16.B.11 Falling object protective structures (FOPS).

a. All bulldozers, tractors, or similar equipment used in clearing operations shall be provided with guards, canopies, or grills to protect the operator from falling and flying objects as appropriate to the nature of the clearing operations.

b. FOPS for other construction, industrial, and grounds-keeping equipment will be furnished when the operator is exposed to falling object hazards.

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(5) Cranes, draglines, or equipment on which the operator's cab and boom rotate as a unit.

c. ROPS may be removed from certain types of equipment when the work cannot be performed with the ROPS in place and when ROPS removal is justified and delineated in an AHA and accepted in writing by the GDA.

d. The operating authority shall furnish proof from the manufacturer or certification from a licensed engineer that the ROPS complies with SAE Standards J167, J1040, J1042, J1084, and J1194, as applicable.

e. ROPS shall also be acceptable if they meet the criteria of any State that has a Department of Labor approved OSHA program or meet Water and Power Resources Service requirements.

f. The following information permanently affixed to the ROPS is acceptable in lieu of a written certification:

(1) Manufacturer's or fabricator's name and address;

(2) ROPS model number, if any; and

(3) Machine make, model, or series number that the structure is designed to fit.

g. Field welding on ROPS shall be performed by welders who are certified by the contractor as qualified in accordance with ANSI/AWS D1.1, Naval Sea Systems Command (NAVSEA) S9074-AQ-GIB-010/248, or the equivalent.

16.B.13 All points requiring lubrication during operation shall have fittings so located or guarded to be accessible without hazardous exposure.

(3) Proper respirator use under the workplace conditions the employee encounters; and

(4) Proper respirator maintenance.

05.E.16 Recordkeeping. Establish and retain written information regarding medical evaluations, fit testing, and the respirator program. This information will facilitate employee involvement in the respirator program, assist in auditing the adequacy of the program, and provide a record for compliance determinations by OSHA.

a. Medical evaluation. Records of medical evaluations must be retained and made available in accordance with 29 CFR 1910.1020.

b. Fit testing. Retain fit test records for respirator users until the next fit test is administered. Establish a record of the QLFT and QNFT administered to an employee including:

(1) The name or identification of the employee tested;

(2) Type of fit test performed;

(3) Specific make, model, style, and size of respirator tested;

(4) Date of test; and

(5) The pass/fail results for QLFTs or the fit factor and strip chart recording or other recording of the test results for QNFTs.

c. Retain a written copy of the current respirator program.

d. Written materials required by 05.E.15 shall be made available upon request to affected employees.

## **05.F BODY BELTS, HARNESSES, LANYARDS, AND LIFELINES - SELECTION OF COMPONENTS**

05.F.01 Personal fall arrest, fall restraint and positioning device systems. **Warning: Personal fall arrest systems are generally only certified up to a combined weight of 310 pounds (lb) (140.6 kilograms (kg)) including the weight of the person and equipment. Workers shall not be permitted to exceed this limit unless permitted in writing by the manufacturer. > All fall arrest systems shall meet the requirements contained in ANSI/American Society of Safety Engineers (ASSE) Z359.1.**

a. Personal fall arrest systems require the use of a full-body harness; body belts and chest waist harnesses are not acceptable as part of personal fall arrest systems.

b. The use of a body belt is permitted in positioning and restraint systems.

### **05.F.02 Fall Arrest Systems - General.**

a. Connectors shall be drop forged, pressed or formed steel, or made of equivalent materials; shall have corrosion resistant finish; and all surfaces and edges shall be smooth to prevent damage to interfacing parts of the system.

b. D-rings, locking-type snaphooks, and other connectors shall have a minimum tensile strength of 5,000 lb (2,267.9 kg); D-rings and snaphooks shall be proof-tested to a minimum tensile load of 3,600 lb (1632.9 kg) without cracking, breaking, or taking permanent deformation. **> Proof testing is typically conducted by the manufacturer, and a specification of proof testing supplied with the manufactured good.**

c. Personal fall arrest systems shall decelerate and bring the employee to a complete stop within 42 in (106.6 cm), excluding lifeline elongation, after free fall distance.



d. Personal fall arrest systems, when stopping or preventing a fall, shall not produce an arresting force on an employee of more than 10 times the employee's weight or 1,800 lb (816.4 kg), whichever is lower.

e. Positioning device systems shall prevent the user from free falling no more than 2 ft (0.6 m).

f. Fall restraint systems shall prevent the user from reaching an area where a free fall could occur.

g. Body harnesses shall consist of straps that are secured about a body in a manner that distributes the arresting forces over at least the thighs, waist, chest, shoulders, and pelvis, with provision for attaching a lanyard, lifeline, or deceleration device.

h. Snaphooks and carabiners shall be of the self-locking type.

#### 05.F.03 Lifelines and lanyards.

a. Lanyards and vertical lifelines shall have a minimum tensile strength of 5,000 lbs (2,267.9 kg).

b. Horizontal lifelines shall be designed, installed, and used, under the supervision of a qualified person, as part of a complete personal fall arrest system, which maintains a factor of safety of at least two.

c. Self-retracting lifelines and lanyards that automatically limit free fall distance to 2 ft (0.6 m) or less shall be capable of sustaining a minimum tensile load of 3,000 lbs (1,360.7 kg) applied to the device with the lifeline or lanyard in the fully extended position. Self-retracting lifelines and lanyards that do not limit free fall distance to 2 ft (0.6 m) or less, rip stitch lanyards, and tearing and deforming lanyards shall be capable of sustaining a minimum tensile load of 5,000 lb (2,267.9 kg) applied to the device with the lifeline or lanyard in the fully extended position.

d. Ropes and straps (webbing) used in lanyards, lifelines, and strength components of body belts and body harnesses shall be made from synthetic fibers.

e. Harness lanyards shall not be looped back over or through a large object and then attached back to themselves unless permitted by the manufacturer.

#### 05.F.04 Lineman's equipment.

a. All fabric for safety straps shall be capable of withstanding an alternating current dielectric test of not less than 25,000 volts per foot "dry" for 3 minutes, without visible deterioration.

b. All fabric and leather used shall be capable of being tested for leakage current and not exceed 1 milliampere when a potential of 3,000 volts is applied to the electrodes 12 in (30.4 cm) apart.

c. Direct current testing may be permitted in lieu of alternating current testing.

### 05.G ELECTRICAL PROTECTIVE EQUIPMENT

05.G.01 Persons working on electrical distribution systems shall be provided with the appropriate electrical protective equipment, which shall be inspected, tested, and maintained in safe condition in accordance with the standards referenced in Table 5-4.

05.G.02 Employees may use rubber gloves, sleeves, blankets, covers, and line hose only when required by special conditions for work on energized facilities. Rubber goods provided to protect employees who work on energized facilities must meet ASTM specifications. Electrical workers' rubber insulating protective equipment shall be visually inspected for damage and defects prior to each use.

18.C.09 All motor vehicles shall be shut down prior to and during fueling operations. > **See 16.A.15.**

#### 18.D ALL TERRAIN VEHICLES (ATV)

18.D.01 Every ATV operator shall have completed a nationally-recognized accredited ATV training course (such as provided by the Specialty Vehicles Institute of America or in-house resources that have been certified as trainers by an accredited organization) prior to operation of the vehicle. The operator must pass an operating skills test prior to being allowed to operate an ATV. Proof of completion of this training shall be made available to the GDA upon request.

18.D.02 The manufacturer's recommended payload shall not be exceeded at any time.

18.D.03 Gloves and an approved motorcycle helmet with full-face shield or goggles shall be worn at all times while operating a Class I ATV.

18.D.04 ATVs shall be used only off-road (no paved road use unless allowed by the manufacturer).

18.D.05 ATVs shall be driven during daylight hours (unless properly equipped with lights for night use).

18.D.06 Only ATVs with four or more wheels may be used.

18.D.07 Passengers are prohibited on Class I ATVs.

18.D.08 All ATVs shall be equipped with a warning signal device (horn), tail lights, and stop lights.

18.D.09 A copy of the operators manual will be kept on the vehicle and protected from the elements (if practicable).

18.D.10 Tires shall be inflated to the pressures recommended by the manufacturer.

18.D.11 ATVs will be equipped with mufflers.

18.D.12 All ATVs shall be equipped with spark arresters.

18.D.13 All Class II ATVs shall be equipped with ROPS.

#### 18.E AIRCRAFT

18.E.01 All non-military aircraft shall be registered, certified in the appropriate category, and maintained in accordance with the airworthiness standards of the FAA. (If used OCONUS, and not prohibited by other regulation such as ER 95-1-1, registration, certification, and maintenance in accordance with the standards of a comparable governing body of foreign or international authority may be substituted for those of the FAA.)

18.E.02 All contract pilots or pilots of chartered aircraft shall hold at least a commercial pilot certificate with instrument rating. All pilots of non-military aircraft shall possess ratings to comply with the FAA Regulation governing the aircraft and operations involved.

18.E.03 All non-military aircraft shall be equipped with a two-way radio.

18.E.04 All non-military flight operations shall be in accordance with the FAA rules governing conduct for the specific operation. (Examples are 14 CFR 133 (Federal Aviation Regulation 133); 14 CFR 135 (Federal Aviation Regulation 135); and 14 CFR 91 (Federal Aviation Regulation 91).

18.E.05 All military flight operations shall be conducted under appropriate DOT/DOD regulations, such as the AR 95 Series.

## PREPARATORY INSPECTION CHECKLIST

CONTRACT NO: W911-KB-04-C-0019

DATE: 7/16/05, 8:30-9:15

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE OF WORK: Demolish Tram and Water Line

GOVERNMENT REPRESENTATIVE NOTIFIED ON 7/13/05 FOR SCHEDULING OF PREPARATORY MEETING.

### I. Persons Required To Attend

Name	Position	Company/Government
Henry Seipt	CQCSM	BEESC
Rollie Goebel	Site Supervisor	BEESC
Mac McDonald	Crew Foreman	BEESC
Carl Calugan	Laborer Forman	BEESC
Toby Petersen	SSHO	BEESC
Sam Mills	QAR	USACE

### II. Contractor/Subcontractors Involved With Activity

1. Yes. Insurance current & on hand?
2. No construction subcontractors used in field Insurance current & on hand?
3. \_\_\_\_\_ Insurance current & on hand?

### III. Submittal Review

Have all transmittals been submitted and approved? Yes. All project plans have been submitted to the USACE and have been approved.

What items are delinquent or awaiting comments/approval?

1. No items are delinquent or awaiting comments/approval.  
All equipment and personnel to complete the scope of work are present on Saint Lawrence Island.  
Testing of equipment has been completed on island prior to its utilization on site work.  
No field or analytical testing are required in this DFW.

2. \_\_\_\_\_

What items require re-submittal and why? \_\_\_\_\_

1. None.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

#### IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?

Yes.

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List of items you want to ensure were covered:

DFW Tasks: Remove Designated Waste from Debris Field 1 and Debris Field 2, and Improve Cat Trails to Allow Access to the Upper Mountain as delineated in the Work and Demolition Plan, Sections 4.3.5 and the SSHP, Section 2.4

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Accident Prevention Plan---EM 385-1-1 (2003) in use at the site, Specifically Section 16 Machinery and Mechanized Equipment as it relates to Section 5.5 in the and Demolition Plan

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Tasks associated with the DFW are delineated in the Work and Demolition Plan, Section 4.3.5 and in Appendix H of the CQC Plan

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Task specific safety and health issues are address in the SSHP, Section 4.4

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General site safety and health issues related to the task are delineated in the Activity Hazard Analysis, Table # 1 (Debris Removal and Staging) and Table # 9 (Cat Trails Repair and Maintenance) in the SSHP.

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The SSHP requires the wearing of reflective vests in addition to standard/modified Level D PPE

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The SSHP requires use of static safety lines when picking up material from Debris Field #1.

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Task Associated SSHP topics include:

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Heavy Equipment Operation, Section 4.2.1

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Vehicle Inspections, Section 4.2.2

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Operator Qualifications, Section 4.2.3

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Equipment and Vehicle Safe Work Practices, Section 4.2.4

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Site Roads and Slopes, Section 4.2.6

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Weather Hazards, Section 4.2.7

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Trips and Falls, Section 4.2.11

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## PREPARATORY INSPECTION CHECKLIST

### V. List of Specific Construction Tolerances/Testing

1. None. No sort of tolerance specification or testing is associated with the DFW. However, tram and water line debris will require size reduction to enable loading of the material into sea-going containers.

2. \_\_\_\_\_

3. \_\_\_\_\_

Are all reference publications/manufacturer's recommendations on hand and reviewed? \_\_\_\_\_ N/A

### VI. Material/Equipment Review

Are all materials as submitted? \_\_\_\_\_ Yes

Do materials comply with Buy America Act? \_\_\_\_\_ N/A

Is equipment required? \_\_\_\_\_ Yes

Have equipment checklists been provided? Provided in daily report. \_\_\_\_\_ Yes

### VII. Safety/Job Hazard Analysis

Was Hazard Analysis submitted for review prior to prep? In submitted Work and Demo Plan \_\_\_\_\_ Yes

Are there additions for JHA and were they incorporated? \_\_\_\_\_ No

Are Material Safety Data Sheets on hand and reviewed? In binder in Site Supervisor's office. \_\_\_\_\_ Yes

Does Resident Office have copies of 1566 and insurance? \_\_\_\_\_ Yes

Have items in Site Safety Health Plan been reviewed? \_\_\_\_\_ Yes

Is there a confined space? \_\_\_\_\_ No

### VIII. Any Additional Concerns

Are there permits required for work? Hot Work Permit \_\_\_\_\_ No

Is notification for outage required? \_\_\_\_\_ No

What is time frame for any notifications? \_\_\_\_\_ N/A

What NAS Numbers are covered/used with this work? \_\_\_\_\_

Did CQC cover all elements on their checklists? \_\_\_\_\_ Yes/No

Has prep been completed successfully? \_\_\_\_\_ Yes/No

John M. Seyt  
Quality Control Representative

B.A. Mills ALOE  
Quality Assurance Representative GAR

## 2.4 TASK-SPECIFIC ACTIVITIES

The Scope of Work requires that a variety of tasks and activities be accomplished for each of the work sites. Those tasks and activities include the following:

- **Barge Loading and Unloading.** Excavated soil and demolition debris will be packaged at the site in Conexes. Workers will remain at a safe distance during the loading of these Conexes and will not stand under the loader or adjacent to the Conex being loaded.
- **Concrete Pad Testing and Removal.** Concrete transformer pads are suspected of containing PCBs from spills. PCB-contaminated concrete will be mechanically removed to a depth of approximately 0.25 inch. Appropriate worker protection will be required for this activity in accordance with the activity hazard analysis (AHA) (Appendix A).
- **PCB Soil Removal and Disposal.** A limited amount of stained soil will be removed and excavated during operations. The soil will be taken to a lined stockpile area where it will be tested to determine disposal options in accordance with the EPP.
- **Cat Trail Repair.** The Cat Trail to the Upper Mountain is completely washed out in one location and is in generally poor condition in many other sections. The trail must be repaired to access the Upper Mountain with construction equipment, and significant repair work is necessary. Because the Cat Trail is very steep and exceeds the EM 385-1-1, Section 21.I.07b, maximum allowable grade of 10 percent, a waiver request was submitted to the USACE to use the trail with the existing grades and has been approved.
- **Debris Removal and Staging.** Many of the sites at the NE Cape facility have miscellaneous debris ranging in size from very small to large items, such as old D-8 tractors. This debris will be collected manually and by using heavy equipment. Most of the debris can be reached from existing roads; in some cases, it will be collected after road improvement is completed. In instances where equipment is required for debris removal in the tundra, low-ground-pressure equipment will be used. The debris will be hauled to one or more staging areas, as directed by the WDP. Debris will be wetted and covered as necessary before hauling to prevent visible emissions. Debris will be placed in appropriate storage containers and staged at the Conex Storage Area shown on Figure 11.
- **Water Collector Decommissioning.** Wells at the site will be decommissioned in accordance with Alaska Department of Environmental Conservation procedures and the WDP.
- **Tower Demolition.** Demolition of the tram system will involve special requirements described in the WDP. These include specialized use of fall protection and use of heavy equipment and/or vehicles on grades in excess of 10 percent, which is normally prohibited by the USACE's EM 385-1-1. Because of the extreme slopes of the natural terrain, which cannot be engineered to conform to the 10 percent slope rule, a waiver

request that details provisions for safe work activity during tower demolition has been submitted via BEESC Letter 23036-012 to the USACE and approved.

- **Grass Seeding Operations.** Revegetation of various areas disturbed during project activities will be required. Seeding will be required only in areas where work operations disturb previously undisturbed areas and must be accomplished between spring breakup and July 15 or after August 20. Seeding and fertilization will be performed with the use of manual broadcast-type spreaders.

#### **5.1.6 Dust Control**

Dust is an inevitable component of demolition work and truck hauls on unpaved road surfaces. To the extent possible, dust from demolition activities will be controlled by spraying and wetting with a water truck. Water will not be used when it will create hazardous or objectionable conditions such as ice, flooding, or pollution.

#### **5.2 EXPLOSIVES**

The use of explosives for demolition purposes is allowed under the contract, but BEESC does not anticipate using explosives.

#### **5.3 DEMOLITION EQUIPMENT**

Major equipment that BEESC will employ for this project is presented in Table 5-1. The equipment will be maintained and repaired by a full-time mechanic. A fueler/oiler will lubricate and refuel the equipment on a daily basis. A tire man with a tire truck will repair flat tires.

#### **5.4 TRAM AND WATER LINE REMOVAL**

The former tram ran approximately 4,400 feet from the Lower Tram Building (Site 32) to the Upper Tram Building (Site 33) (Figure 5). BEESC demolished the Upper and Lower Tram Buildings in 2003. The remaining items consist of seven steel towers supporting 17,600 feet of 1.25-inch-diameter steel cable and 11 line towers supporting electrical cables that provided power to the mechanical gear at the top of the tram. Work under this contract will consist of demolishing and disposing of the tram and line towers, cables, and the 2-inch-diameter water line that ran between Site 32 and the former water tank at Site 34.



1 The work will be accomplished as follows:

2 **Step 1 – Repair Tram Line Cat Trail to access Tram Tower 2**

3 In 2003, BEESC improved the Tram Line Cat Trail in order to access Tram Tower 2. BEESC  
4 will repair the Tram Line Cat Trail to allow access by the D-8K bulldozer. This area will be  
5 used to topple Tram Tower 2 and serve as a staging area for Tram Towers 3 through 7, as  
6 described below. The water line between Trail Point “E” and Tram Tower 2 (Figure 5) will  
7 be removed as part of the trail improvement work.

8 **Step 2 – Drop cables from Tram Towers 1, 2, and 3**

9 The track and haul cables were slacked when BEESC demolished the Lower Tram Building  
10 in 2003. All four cables are still suspended from the Tram Towers but are not under tension  
11 other than that from their weight. The cables will be dropped from the Tram Towers so that  
12 they lie on the ground outside of the tower bases.

13 **Step 3 – Demolish Tram Towers 1 through 3**

14 These towers all are accessible by the D8K bulldozer. A field crew will partially cut through  
15 the steel above the tower foundation and the winch on the D8K will be used to pull the  
16 weakened towers over, away from the cable. The towers will then be cut free of their  
17 supports and dragged down the Tram Line Cat Trail to the Lower Tram Building area, where  
18 they will be demolished using an excavator equipped with a hydraulic shear.

19 **Step 4 – Demolish Line Support Towers 1 through 5**

20 Crews using portable equipment will drop Line Support Towers 1 through 5 and cut the cable  
21 between Line Support Towers 5 and 6. The crew will also cut the water line at a point  
22 immediately east of Line Tower 5 and collect the lower portion of the water line. The D8K  
23 will use the electric cables to drag the towers downhill to the Lower Tram Building area,

- 1 where the towers will be demolished as described above. The hydraulic cable spooler will be
- 2 used to spool the cable into coils.

### 3 **Step 5 – Drop three cables from each of Tram Towers 4 through 7**

- 4 Once Tram Tower 3 is out of the way, a crew will drop three cables from each of the four
- 5 remaining Tram Towers as described above. One strand of cable will remain attached to each
- 6 of the four Tram Towers.

### 7 **Step 6 – Demolish the remaining Tram Towers**

- 8 Tram Towers 4 through 7 will be demolished in numerical order. Once a Tram Tower has
- 9 been toppled and cut loose from its base, the D-8K will use the cable attached to the tower to
- 10 drag it down the mountain to the Lower Tram Building area.

### 11 **Step 7 – Demolish the remaining Line Support Towers**

- 12 Line Support Towers 6 through 11 will be toppled with their electric cables attached as
- 13 described above. The D-8K will then drag the towers and lines down the mountain to the
- 14 Lower Tram Building area where the debris will be processed as described above.

### 15 **Step 8 – Demolish remaining water line**

- 16 Crews on foot or in tracked Argo ATVs with trailers will demolish the remaining water line.
- 17 The water line will be cut into manageable lengths and carried out on the Argo trailers, or the
- 18 water line segments will be hand-carried to a point where they can be picked up using
- 19 equipment.

## **DFW SPECIFIC HAZARDS**

spotter to ensure the material is placed on the barge correctly and the equipment does not drive off the barge. The spotter will be in the line of sight of the operator for communication.

#### **4.4.10 Sampling**

Sampling activities will be performed in accordance with the SAP. Environmental samples will be collected from different matrices. Hazards associated with sampling are primarily chemical in nature and are discussed in Section 4.1 of this SSHP. The level of PPE used will depend on the type and location of samples being collected. The physical hazards include sprains and strains from improper lifting or overexertion and cuts from sharp metal edges, as well as slips, trips, and falls. Sampling crews may be required to walk on uneven or slick surfaces. Running and "horse play" will not be tolerated on site, and workers will "stop and look" when entering a new area.

#### **4.4.11 Tram and Line Tower Demolition**

Tram tower demolition will be accomplished in accordance with the WDP. A crew from the top of the mountain will access Tram Towers 5 through 7 in Debris Field No. 1. The towers will be dropped using man-portable cutting equipment. Workers will use appropriate PPE during cutting operations, and site access will be carefully controlled during tower dropping.

The downhill tower structural supports will be cut through near the concrete foundation pads. With slight tension applied to a cable attached to the upper part of each tower, the uphill tower structural supports will be cut through except for the flange of angle iron facing uphill. A winch will pull the tower over as it pivots about the uphill flange. Once on the ground and secure, the remaining flanges will be cut through. The debris will be winched up the mountain where an excavator equipped with a hydraulic shear will cut the debris to size. It will then be strapped into manageable bundles and loaded on tracked trailers. Strapping and transport of the bundles will require protective measures similar to those to be applied during debris pickup, as discussed in Section 4.4.1 of this SSHP.

For demolition of Line Towers 9 through 11, a worker will climb each line tower and secure a winch cable as near to the top of the tower as possible. All workers involved in tower climbing will use a fall protection device consisting of a full body harness and shock-absorbing lanyard (similar to configuration commonly used for telecommunications tower climbing) while ascending and descending the towers. Personal fall arresting equipment and associated system components will be rated to support a combined weight (employee plus tools, etc.) of 310 lbs. If the combined weight exceeds 310 lbs., system modifications may be necessary.

Free-fall distances shall be kept to a minimum. In no case shall the free-fall distance exceed six feet. Free falls in excess of this distance can result in system failure and/or injury. In most situations the anchor point will be located near or above shoulder level. Due to the age and variable condition of the towers, a worker will carefully inspect the intended climbing pathway before proceeding. Lanyards and full-body harnesses shall be protected against abrasion or cutting. Non-locking snap hooks are prohibited. Self-closing, self-locking keepers shall be used.

Prior to tower climbing each worker will have received training to recognize the hazards and take action to prevent a fall during tower removal operations. The training will cover the following topics:

- The nature of the fall hazards in the work area;
- The correct procedures for maintaining and inspecting the fall protection system to be used;
- The use and operation of the personal fall arrest system and other protection to be used;
- Emergency procedures to be used for self rescue or assisted rescue if the worker becomes injured while aloft;
- The correct procedure for the handling and storage of equipment and materials; and
- The OSHA Fall Protection standard.

A written record of the training will be maintained that identifies the worker(s) receiving the training and the training provider.

If a worker slips, loses his grip or otherwise activates his arresting equipment, the worker will not be suspended at a height. However the worker may be suspended adjacent to the tower structure. If this occurs the worker will slowly reorient to face the tower structure and reestablish secure grip and footing. When secure, the worker will immediately, but slowly climb down the tower and perform self inspection for injury and inspect the fall arrest equipment for any damage prior to using again.

In the event of a worker not being able to self-rescue from being suspended by the fall arrest system a worker will be positioned to “standby” to provide assistance. The standby worker will also use a tower climbing harness and lanyard if needed to go aloft to provide assistance.

The base of each line tower will be cut with a cut-off saw or portable cutting torch, beginning on the downhill side and leaving a flange of steel on the uphill side to act as a pivot point. Once the line tower has been pulled over onto its side, the remaining flange of steel will be cut, and the line tower will be hoisted up slope to the crest of the mountain.

Crews using man-portable cutting equipment will demolish Line Towers 4 through 8 and Tram Tower 3. The remaining tram and line towers and cables can be accessed by heavy equipment from the Cat Trail or from beneath the tramline. These structures will be demolished by an excavator equipped with a hydraulic shear.

#### **4.4.12 Cat Trail Repairs**

In 2003, BEESC improved the Cat Trails and used them to haul approximately 600 tons of debris from Sites 33/34 down the mountain. Section 21.I.07(b) of the USACE’s *Safety and Health Requirements Manual*, EM-385-1-1, dated September 3, 1996 (USACE, 1996), prohibited heavy equipment use on grades in excess of 10 percent. BEESC applied for a waiver to Section 21.I.07(b) on October 16, 2002. The USACE granted the waiver on April 10, 2003. The improvements to the Cat Trails were completed between July 8 and July 11, 2003, and the debris haul was successfully completed on August 10, 2003. This work was performed as part of the White Alice Site Removal Action project (USACE Contract No. DACA85-02-C-0011).

## **GENERAL PROJECT HAZARDS**

Activity Hazard Analysis No. 8 Tram Tower Demolition (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE minimum site wide for all operations)
Breaking tower materials (cont.)	Struck by falling material	<ul style="list-style-type: none"> <li>• Isolate area (site control)</li> <li>• Watchman</li> <li>• Wear reflective vests</li> </ul>
Collecting waste materials	Slips, trips, falls	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> </ul>
	Back Injury	<ul style="list-style-type: none"> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> </ul>
	Cuts	<ul style="list-style-type: none"> <li>• Wear required PPE</li> <li>• First Aid Kits</li> </ul>
	Crushing Injuries	<ul style="list-style-type: none"> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE.</li> </ul>
	Dropped Objects	<ul style="list-style-type: none"> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> </ul>
	Contact with lead contaminated materials	<ul style="list-style-type: none"> <li>• Wear required PPE</li> <li>• Use MSDS</li> </ul>



Activity Hazard Analysis No. 8 Tram Tower Demolition (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
<b>Principal Tasks</b>	<b>Potential Hazards</b>	<b>Recommended Controls (Level D PPE minimum site wide for all operations)</b>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
<b>Equipment to be Used</b>	<b>Inspection Requirements</b>	<b>Training Requirements</b>
Trucks, Hand Tools, bulldozer, backhoe, loader	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site specific training – Toolbox safety meetings, Fall Protection System</li> <li>• 40 hr Hazwoper</li> <li>• HazCom Training (including lead awareness)</li> </ul>

**Activity Hazard Analysis No. 8**  
**Tram Tower Demolition**

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE minimum site wide for all operations)
Site Prep	<p>Slips, trips, falls</p> <p>Back Injury</p> <p>Crushing Injuries</p> <p>Dropped Objects</p> <p>Eye Injury / Hearing Loss</p> <p>Falls</p>	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE: <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• In addition to Level D, wear D-ring harness w/ lanyard fall protection while climbing all ladders, and working at locations 6 ft above ground level</li> </ul>
Breaking tower materials	<p>Flying Debris</p> <p>Inhalation of lead during hot cutting</p>	<ul style="list-style-type: none"> <li>• Isolate area (site control)</li> <li>• Wear face shield/eye protection</li> <li>• Wear required PPE</li> <li>• Wear required PPE (Level C – HEPA)</li> <li>• Isolate area (site control)</li> </ul>

## **RELEVANT USACE HAZARD TOPICS**

## SECTION 16

# MACHINERY AND MECHANIZED EQUIPMENT

## 16.A GENERAL

16.A.01 Before any machinery or mechanized equipment is placed in use, it shall be inspected and tested in accordance with the manufacturer's recommendations and requirements of this manual and shall be certified in writing by a competent person to meet the manufacturer's recommendations and requirements of this manual. Subsequent reinspections will be conducted at least annually thereafter. All safety deficiencies noted during the inspection shall be corrected prior to the equipment being placed in service at the project. If at anytime the machinery or mechanized equipment is removed and subsequently returned to the project (other than equipment removed for routine off-site operations as part of the project), it shall be reinspected and recertified prior to use.

a. The Contractor shall keep records of tests and inspections. These records shall be made available in a timely manner upon request of the GDA and, when submitted, shall become part of the official project file.

b. The Contractor shall provide the GDA ample notice in advance of any equipment entering the site so that he/she may observe the Contractor's inspection process and so that spot checks may be conducted.

## 16.A.02 Daily/shift inspections and tests.

a. All machinery and equipment shall be inspected daily (when in use) to ensure safe operating conditions. The employer shall designate competent persons to conduct the daily inspections and tests.

b. Tests shall be made at the beginning of each shift during which the equipment is to be used to determine that the brakes

16.A.05 When the manufacturer's instructions or recommendations are more stringent than the requirements of this manual, the manufacturer's instructions or recommendations shall apply.

16.A.06 Inspections or determinations of road and shoulder conditions and structures shall be made in advance to assure that clearances and load capacities are safe for the passage or placing of any machinery or equipment.

16.A.07 Equipment requirements.

a. Seats or equal protection must be provided for each person required to ride on equipment.

~~b.~~ Equipment operated on the highway shall be equipped with headlights, taillights, brake lights, backup lights, and turn signals that are visible from the front and rear.

c. All equipment with windshields shall be equipped with powered wipers. Vehicles that operate under conditions that cause fogging or frosting of windshields shall be equipped with operable defogging or defrosting devices.

d. Mobile equipment, operating within an off-highway job site not open to public traffic, shall have a service brake system and a parking brake system capable of stopping and holding the equipment while fully loaded on the grade of operation. In addition, it is recommended that heavy-duty hauling equipment have an emergency brake system that will automatically stop the equipment upon failure of the service brake system. This emergency brake system should be manually operable from the driver's position.

16.A.08 Maintenance and repairs.

a. Maintenance, including preventive maintenance, and repairs shall be in accordance with the manufacturer's recommendations and shall be documented. Records of

maintenance and repairs conducted during the life of a contract shall be made available upon request of the GDA.

b. All machinery or equipment shall be shut down and positive means taken to prevent its operation while repairs or manual lubrications are being done. Equipment designed to be serviced while running are exempt from this requirement.

c. All repairs on machinery or equipment shall be made at a location that will protect repair personnel from traffic.

d. Heavy machinery, equipment, or parts thereof that are suspended or held apart by slings, hoist, or jacks also shall be substantially blocked or cribbed before personnel are permitted to work underneath or between them.

16.A.09 Bulldozer and scraper blades, end-loader buckets, dump bodies, and similar equipment shall be either fully lowered or blocked when being repaired or when not in use. All controls shall be in a neutral position, with the engines stopped and brakes set, unless work being performed on the machine requires otherwise.

16.A.10 Stationary machinery and equipment shall be placed on a firm foundation and secured before being operated.

16.A.11 All mobile equipment and the areas in which they are operated shall be adequately illuminated while work is in progress.

16.A.12 Equipment powered by an internal combustion engine will not be operated in or near an enclosed area unless adequate ventilation is provided to ensure the equipment does not generate a hazardous atmosphere.

16.A.13 All vehicles that will be parked or are moving slower than normal traffic on haul roads shall have a yellow flashing light or four-way flashers visible from all directions.

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16.A.19 No modifications or additions that affect the capacity or safe operation of machinery or equipment shall be made without the manufacturer's written approval.

a. If such modifications or changes are made, the capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.

b. In no case shall the original safety factor of the equipment be reduced.

16.A.20 Steering or spinner knobs shall not be attached to the steering wheel unless the steering mechanism prevents road reactions from causing the steering handwheel to spin. When permitted, the steering knob shall be mounted within the periphery of the wheel.

16.A.21 Safeguards shall be provided to prevent machinery and equipment operating on a floating plant from going into the water.  
> **See also 16.F.06.**

16.A.22 All powered-industrial trucks shall meet the requirements of design, construction, stability, inspection, testing, maintenance, and operation defined in ANSI/ASME B56.1.

16.A.23 All powered-industrial trucks, lift trucks, stackers, and similar equipment shall have the rated capacity posted on the vehicle so as to be clearly visible to the operator. When the manufacturer provides auxiliary removable counterweights, corresponding alternate rated capacities also shall be clearly shown on the vehicle. The ratings shall not be exceeded.

16.A.24 Only trained and authorized operators shall be permitted to operate a powered-industrial truck. Training must be both classroom and practical operation of the same type of truck the student uses on the job. Training shall be provided in accordance with OSHA Standard 29 CFR 1910.178. The employer must certify that the operator has been trained and evaluated as required by the standard. The certification shall include the name of the operator,

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16.A.33 Tire service vehicles shall be operated so that the operator will be clear of tires and rims when hoisting operations are being performed. Tires large enough to require hoisting equipment will be secured from movement by continued support of the hoisting equipment unless bolted to the vehicle hub or otherwise restrained.  
> **Also see 16.B.06.**

16.A.34 Each bulldozer, scraper, dragline, crane, motor grader, front-end loader, mechanical shovel, backhoe, and other similar equipment shall be equipped with at least one dry chemical or CO<sub>2</sub> fire extinguisher with a minimum rating of 5-B:C.

16.A.35 Fill hatches on water haul vehicles shall be secured or the opening reduced to a maximum of 8 in (20.3 cm).

## 16.B GUARDING AND SAFETY DEVICES

16.B.01 Reverse signal (back-up) alarm.

a. All self-propelled construction and industrial equipment, whether moving alone or in combination, shall be equipped with a reverse signal alarm. > ***Equipment designed and operated so that the operator is always facing the direction of motion does not require a reverse signal alarm.***

b. Reverse signal alarms shall be audible and sufficiently distinct to be heard under prevailing conditions.

c. Alarms shall operate automatically upon commencement of backward motion. Alarms may be continuous or intermittent (not to exceed 3-second intervals) and shall operate during the entire backward movement.

d. Reverse signal alarms shall be in addition to requirements for signal persons.

16.B.02 A warning device or signal person shall be provided where there is danger to persons from moving equipment, swinging loads, buckets, booms, etc.

*N/A ?*



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installed on split rims, or rims equipped with locking rings of similar devices. > ***Also see 16.A.33.***

16.B.07 No guard, safety appliance, or device shall be removed from machinery or equipment, or made ineffective, except for making immediate repairs, lubrications, or adjustments, and then only after the power has been shut off. All guards and devices shall be replaced immediately after completion of repairs and adjustments and before power is turned on.

16.B.08 Seatbelts and anchorages meeting the requirements of 49 CFR 571 shall be installed and worn in all motor vehicles (installation and usage on buses is optional). Two-piece seat belts and anchorages for construction equipment shall comply with applicable Federal specifications or Society of Automotive Engineers (SAE) Standard J386.

16.B.09 All high rider industrial trucks shall be equipped with overhead guards that meet the structural requirements defined in paragraph 4.21 of ANSI/ASME B56.1.

16.B.10 Suitable protection against the elements, falling or flying objects, swinging loads, and similar hazards shall be provided for operators of all machinery or equipment. Glass used in windshields or cabs shall be safety glass.

16.B.11 Falling object protective structures (FOPS).

a. All bulldozers, tractors, or similar equipment used in clearing operations shall be provided with guards, canopies, or grills to protect the operator from falling and flying objects as appropriate to the nature of the clearing operations.

b. FOPS for other construction, industrial, and grounds-keeping equipment will be furnished when the operator is exposed to falling object hazards.

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(5) Cranes, draglines, or equipment on which the operator's cab and boom rotate as a unit.

c. ROPS may be removed from certain types of equipment when the work cannot be performed with the ROPS in place and when ROPS removal is justified and delineated in an AHA and accepted in writing by the GDA.

d. The operating authority shall furnish proof from the manufacturer or certification from a licensed engineer that the ROPS complies with SAE Standards J167, J1040, J1042, J1084, and J1194, as applicable.

e. ROPS shall also be acceptable if they meet the criteria of any State that has a Department of Labor approved OSHA program or meet Water and Power Resources Service requirements.

f. The following information permanently affixed to the ROPS is acceptable in lieu of a written certification:

(1) Manufacturer's or fabricator's name and address;

(2) ROPS model number, if any; and

(3) Machine make, model, or series number that the structure is designed to fit.

g. Field welding on ROPS shall be performed by welders who are certified by the contractor as qualified in accordance with ANSI/AWS D1.1, Naval Sea Systems Command (NAVSEA) S9074-AQ-GIB-010/248, or the equivalent.

16.B.13 All points requiring lubrication during operation shall have fittings so located or guarded to be accessible without hazardous exposure.

c. Verification by the GDA or Contractor designated authority that the authorized employee who applied the device is not at the facility;

d. The GDA or Contractor designated authority makes all reasonable efforts to contact the authorized employee to inform him that the lockout and/or tagout devices are to be removed; and

e. The authorized employee is informed that the lockout and/or tagout devices have been removed before their resuming work at the facility.

## SECTION 13

### HAND AND POWER TOOLS

#### 13.A GENERAL

13.A.01 Power tools shall be of a manufacture listed by a nationally-recognized testing laboratory for the specific application for which they are to be used.

13.A.02 Use, inspection, and maintenance.

a. Hand and power tools shall be used, inspected, and maintained in accordance with the manufacturer's instructions and recommendations and shall be used only for the purpose for which designed. A copy of the manufacturer's instructions and recommendations shall be maintained with the tools.

b. Hand and power tools shall be inspected, tested, and determined to be in safe operating condition before use. Continued periodic inspections shall be made to assure safe operating condition and proper maintenance.

c. Hand and power tools shall be in good repair and with all required safety devices installed and properly adjusted. Tools having defects that will impair their strength or render them unsafe shall be removed from service.

13.A.03 Guarding.

a. Power tools designed to accommodate guards shall be equipped with such guards. All guards must be functional.

b. Reciprocating, rotating, and moving parts of equipment shall be guarded if exposed to contact by employees or otherwise create a hazard.

13.A.04 When work is being performed overhead, tools not in use shall be secured or placed in holders.

13.A.05 Throwing tools or materials from one location to another or from one person to another, or dropping them to lower levels, shall not be permitted.

13.A.06 Only non-sparking tools shall be used in locations where sources of ignition may cause a fire or explosion.

13.A.07 Tools requiring heat treating or redressing shall be tempered, formed, dressed, and sharpened by personnel who are experienced in these operations.

13.A.08 The use of cranks on hand-powered winches or hoists is prohibited unless the hoists or winches are provided with positive self-locking dogs. Hand wheels with exposed spokes, projecting pins, or knobs shall not be used.

13.A.09 Hydraulic fluid used in powered tools shall retain its operating characteristics at the most extreme temperatures to which it will be exposed. **> For underground use, see 26.D.07.**

13.A.10 Manufacturers' safe operating pressures for hydraulic hoses, valves, pipes, filters and other fittings shall not be exceeded.

13.A.11 All hydraulic or pneumatic tools that are used on or around energized lines or equipment shall have non-conducting hoses of adequate strength for the normal operating pressures.

13.A.12 When fuel-powered tools are used in enclosed spaces, the requirements for concentrations of toxic gases and use of PPE, as outlined in Sections 5 and 6 of this manual, shall apply.

13.A.13 Clothing.

- a. PPE shall be used as outlined in Sections 5 and 6 of this manual.

- b. Loose and frayed clothing, loose long hair, dangling jewelry (including dangling earrings, chains, and wrist watches) shall not be worn while working with any power tool.

13.A.14 See Section 11.C for grounding requirements.

13.A.15 The electrical power control shall be provided on each machine/power tool to make it possible for the operator to cut off the power for the machine/power tool without leaving the point of operation.

13.A.16 Where injury to the operator may result if motors were to restart after power failures, provisions shall be made to prevent machines/power tools from automatically restarting upon restoration of power.

13.A.17 Floor- and bench-mounted power tools shall be anchored or securely clamped to a firm foundation. Anchoring or securing shall be sufficient to withstand lateral or vertical movement.

## 13.B GRINDING AND ABRASIVE MACHINERY

13.B.01 With the exception of the following, abrasive wheels shall be used only on machines provided with safety guards: **> see ANSI B74.2 for descriptions of abrasive wheel types**

- a. Wheels used for internal work while within the work being ground;
- b. Mounted wheels, 2 in (5 cm) and smaller in diameter, used in portable operations;
- c. Types 16, 17, 18, 18R, and 19 cones and plugs and threaded hole pot balls where the work offers protection or where the size does not exceed 3 in (7.6 cm) in diameter by 5 in (12.7 cm) long;

c. Verification by the GDA or Contractor designated authority that the authorized employee who applied the device is not at the facility;

d. The GDA or Contractor designated authority makes all reasonable efforts to contact the authorized employee to inform him that the lockout and/or tagout devices are to be removed; and

e. The authorized employee is informed that the lockout and/or tagout devices have been removed before their resuming work at the facility.

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b. Hand and power tools shall be inspected, tested, and determined to be in safe operating condition before use. Continued periodic inspections shall be made to assure safe operating condition and proper maintenance.

c. Hand and power tools shall be in good repair and with all required safety devices installed and properly adjusted. Tools having defects that will impair their strength or render them unsafe shall be removed from service.

13.A.03 Guarding.

a. Power tools designed to accommodate guards shall be equipped with such guards. All guards must be functional.

b. Reciprocating, rotating, and moving parts of equipment shall be guarded if exposed to contact by employees or otherwise create a hazard.

13.A.04 When work is being performed overhead, tools not in use shall be secured or placed in holders.

13.A.05 Throwing tools or materials from one location to another or from one person to another, or dropping them to lower levels, shall not be permitted.

13.A.06 Only non-sparking tools shall be used in locations where sources of ignition may cause a fire or explosion.

13.A.07 Tools requiring heat treating or redressing shall be tempered, formed, dressed, and sharpened by personnel who are experienced in these operations.

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- a. PPE shall be used as outlined in Sections 5 and 6 of this manual.

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## 13.B GRINDING AND ABRASIVE MACHINERY

13.B.01 With the exception of the following, abrasive wheels shall be used only on machines provided with safety guards: **> see ANSI B74.2 for descriptions of abrasive wheel types**

- a. Wheels used for internal work while within the work being ground;
- b. Mounted wheels, 2 in (5 cm) and smaller in diameter, used in portable operations;
- c. Types 16, 17, 18, 18R, and 19 cones and plugs and threaded hole pot balls where the work offers protection or where the size does not exceed 3 in (7.6 cm) in diameter by 5 in (12.7 cm) long;

d. Type 1 wheels not larger than 2 in (5 cm) in diameter and not more than 1/2 in (1.2 cm) thick, operated at peripheral speeds less than 1800 surface-feet per minute (ft/min) (9.1 surface-m/s) when mounted in mandrels driven by portable drills;

e. Type 1 reinforced wheels not more than 3 in (7.6 cm) in diameter and 1/4 in (0.6 cm) in thickness, operating at peripheral speeds not exceeding 9500 surface-ft/min (48.3 surface-m/s), if safety glasses and face shield protection are worn.

13.B.02 Tongue guards on hand held power grinders shall be adjustable to within 1/4 in (0.6 cm) of the constantly decreasing diameter of the wheel at the upper opening.

13.B.03 Grinding machines shall be supplied with power sufficient to maintain the spindle speed at safe levels under all conditions of normal operation.

13.B.04 Work or tool rests shall not be adjusted while the grinding wheel is in motion.

13.B.05 Tool rests on power grinders shall not be more than 1/8 in (0.3 cm) distance from the wheel.

13.B.06 All abrasive wheels shall be closely inspected and ring-tested before mounting: cracked or damaged grinding wheels shall be destroyed.

13.B.07 Grinding wheels shall not be operated in excess of their rated safe speed.

13.B.08 Floor stand and bench-mounted abrasive wheels used for external grinding shall be provided with safety guards (protective hoods).

a. The maximum angular exposure of the grinding wheel periphery and sides shall be not more than 90°, except that

when work requires contact with the wheel below the horizontal plane of the spindle the angular exposure shall not exceed 125°; in either case, the exposure shall begin not more than 65° above the horizontal plane of the spindle.

b. Safety guards shall be strong enough to withstand the effect of a bursting wheel.

### 13.C POWER SAWS AND WOODWORKING MACHINERY

13.C.01 All woodworking machinery shall be operated and maintained in accordance with ANSI 01.1.

13.C.02 Guarding.

a. Circular saws shall be equipped with guards that automatically and completely enclose the cutting edges, splitters, and anti kickback devices.

b. All portable power-driven circular saws shall be equipped with guards above and below the base plate or shoe. The upper and lower guards shall cover the saw to the depth of the teeth, except for the minimum arc required to permit the base to be tilted for bevel cuts and for the minimum arc required to allow proper retraction and contact with the work, respectively. When the tool is withdrawn from the work, the lower guard shall automatically and instantly return to the covering position.

c. Blades of planers and jointers shall be fully guarded and have cylindrical heads with throats in the cylinder.

d. Band saw blades shall be fully enclosed except at the point of operation.

e. Additional guarding requirements for fixed (non portable) woodworking machinery are contained in Appendix E.

15.A.06 Hooks, shackles, rings, pad eyes, and other fittings that show excessive wear or that have been bent, twisted, or otherwise damaged shall be removed from service.

15.A.07 Custom designed grabs, hooks, clamps, or other lifting accessories for such units as modular panels, prefabricated structures, and similar materials shall be marked to indicate the safe working loads and shall be proof-tested, before use, to 125% of their rated load.

15.A.08 The practice of multiple lift rigging (Christmas tree lifting) is prohibited.

## 15.B WIRE ROPE

15.B.01 When two or more wires are broken or rust or corrosion is found adjacent to a socket or end fitting, the wire rope shall be removed from service or re-socketed. **> Special attention shall be given to the inspection of end fittings on boom support, pendants, and guy ropes.**

15.B.02 Wire rope removed from service due to defects shall be cut up or plainly marked as unfit for further use as rigging.

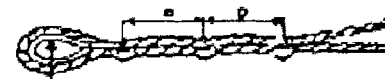
15.B.03 Wire rope clips attached with U-bolts shall have the U-bolts on the unloaded (dead) or short end of the rope. The clip nuts shall be retightened immediately after initial load carrying use and at frequent intervals thereafter. **> See Figures 15-1 and 15-2 and Table 15-1.**

15.B.04 When a wedge socket fastening is used, the unloaded (dead) or short end of the wire rope shall be looped back and secured to itself by a clip or have a separate piece of equal size wire rope attached with a clip or be properly secured to an extended wedge. The clip shall not be attached to the load (live) end. **> See Figure 15-3.**

FIGURE 15-1

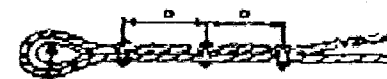
### WIRE ROPE CLIP SPACING (NOT TO BE USED FOR SLINGS)

U-Bolt Clip



Thimble  
U-Bolt of All clips on dead  
end of rope.  
Never stagger clips.  
Never put U-Bolt of clip on  
live end of rope.

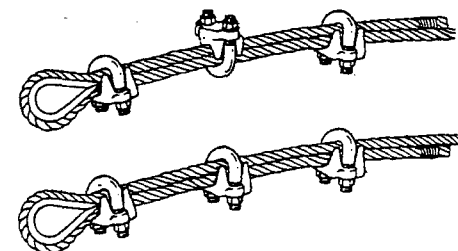
Fix Grip Clip



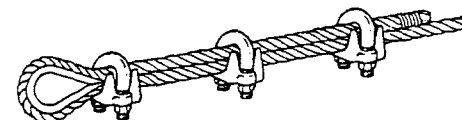
Thimble  
Note: D = six times diameter  
of wire rope

FIGURE 15-2

### WIRE ROPE CLIP ORIENTATION (NOT TO BE USED FOR SLINGS)



The wrong way to clip wire rope



The right way to clip wire rope



5 openings shall be kept closed when material is not being removed.

d. Floor openings shall have curbs or stop-logs to prevent equipment from running over the edge.

e. Any opening cut in a floor for the disposal of materials shall be not longer in size than 25% of the aggregate of the total floor area, unless the lateral supports of the removed flooring remain in place. Floors weakened or otherwise made unsafe by demolition shall be shored to carry safely the intended imposed load for demolition.

### 23.C WALL REMOVAL

23.C.01 Masonry walls, or sections of masonry, shall not be permitted to fall upon the floors of the building in such masses as to exceed the safe carrying capacities of the floors.

23.C.02 No wall section that is more than 6 ft (1.8 m) in height shall be permitted to stand without lateral bracing, unless such wall was designed and constructed to stand without such lateral support and is in a condition safe enough to be self-supporting. No wall section shall be left standing without lateral bracing any longer than necessary for removal of adjacent debris interfering with demolition of the wall. Exception to this requirement will be allowed for such wall sections that are designed and constructed to stand without lateral support.

23.C.03 Employees shall not be permitted to work on the top of a wall when weather constitutes a hazard.

23.C.04 Structural or load-supporting members on any floor shall not be cut or removed until all stories above such a floor have been demolished and removed. This shall not prohibit the cutting of floor beams for the disposal of materials or for the installation of equipment, providing the requirements of 23.B.09 and 23.D. are met.

23.C.05 Floor openings within 10 ft (3 m) of any wall being demolished shall be planked solid, except when employees are kept out of the area below.

23.C.06 In buildings of skeleton-steel construction, the steel framing may be left in place during the demolition of masonry. Where this is done, all steel beams, girders, and structural supports shall be cleared of all loose material as the masonry demolition progresses downward.

23.C.07 Walls that serve as retaining walls to support earth or adjoining structures shall not be demolished until such earth has been braced or adjoining structures have been underpinned.

> See 23.A.05.

23.C.08 Walls shall not be used to retain debris unless capable of safely supporting the imposed load.

### 23.D FLOOR REMOVAL

23.D.01 Openings cut in a floor shall extend the full span of the arch between supports.

23.D.02 Before demolishing any floor arch, debris and other material shall be removed from such arch and other adjacent floor area.

a. Planks not less than 2 in x 10 in (5 cm x 25.4 cm) in cross section, full sized undressed, shall be provided for and shall be used by employees to stand on while breaking down floor arches between beams.

b. Such planks shall be so located as to provide a safe support for personnel should the arch between the beams collapse.

c. Straddle space between planks shall not exceed 16 in (40.6 cm).

23.D.03 Safe walkways, not less than 18 in (45.7 cm) wide, formed of wood planks not less than 2 in (5 cm) thick or of equivalent strength, shall be provided and used by personnel when necessary to enable them to reach any point without walking upon exposed beams.

23.D.04 Stringers of ample strength shall support the flooring planks. The ends of such stringers shall be supported by floor beams or girders and not by floor arches alone.

23.D.05 Planks shall be laid together over solid bearings with the ends overlapping at least 1 ft (0.3 m).

23.D.06 When floor arches are being removed, employees shall not be allowed in the area directly underneath. The area shall be barricaded to prevent access and signed to warn of the hazard.

### 23.E STEEL REMOVAL

23.E.01 When floor arches have been removed, planking shall be provided for the workers razing the steel framing.

23.E.02 Steel construction shall be dismantled column-by-column and tier-by-tier (columns may be in two-story lengths).

23.E.03 Any structural member being dismembered shall not be overstressed.

### 23.F MECHANICAL DEMOLITION

23.F.01 No person shall be permitted in any area that can be affected by demolition when balling or clamming is being performed. Only those persons necessary for the operations shall be permitted in this area at any other time.

23.F.02 The weight of the demolition ball shall not exceed 50% of the crane's rated load, based on the length of the boom and the maximum angle of operation at which the demolition ball will be

used, or it shall not exceed 25% of the nominal breaking strength of the line by which it is suspended, whichever is less.

23.F.03 The crane boom and load line shall be as short as possible.

23.F.04 The ball shall be attached to the load line with a swivel connection to prevent twisting of the load line and shall be attached by positive means so that the weight cannot accidentally disconnect.

23.F.05 When pulling over walls or portions of walls, all steel members affected shall have been cut free.

23.F.06 All roof cornices or other ornamental stonework shall be removed prior to pulling walls over.

18.C.09 All motor vehicles shall be shut down prior to and during fueling operations. > See 16.A.15.

#### 18.D ALL TERRAIN VEHICLES (ATV)

18.D.01 Every ATV operator shall have completed a nationally-recognized accredited ATV training course (such as provided by the Specialty Vehicles Institute of America or in-house resources that have been certified as trainers by an accredited organization) prior to operation of the vehicle. The operator must pass an operating skills test prior to being allowed to operate an ATV. Proof of completion of this training shall be made available to the GDA upon request.

18.D.02 The manufacturer's recommended payload shall not be exceeded at any time.

18.D.03 Gloves and an approved motorcycle helmet with full-face shield or goggles shall be worn at all times while operating a Class I ATV.

18.D.04 ATVs shall be used only off-road (no paved road use unless allowed by the manufacturer).

18.D.05 ATVs shall be driven during daylight hours (unless properly equipped with lights for night use).

18.D.06 Only ATVs with four or more wheels may be used.

18.D.07 Passengers are prohibited on Class I ATVs.

18.D.08 All ATVs shall be equipped with a warning signal device (horn), tail lights, and stop lights.

18.D.09 A copy of the operators manual will be kept on the vehicle and protected from the elements (if practicable).

18.D.10 Tires shall be inflated to the pressures recommended by the manufacturer.

18.D.11 ATVs will be equipped with mufflers.

18.D.12 All ATVs shall be equipped with spark arresters.

18.D.13 All Class II ATVs shall be equipped with ROPS.

#### 18.E AIRCRAFT

18.E.01 All non-military aircraft shall be registered, certified in the appropriate category, and maintained in accordance with the airworthiness standards of the FAA. (If used OCONUS, and not prohibited by other regulation such as ER 95-1-1, registration, certification, and maintenance in accordance with the standards of a comparable governing body of foreign or international authority may be substituted for those of the FAA.)

18.E.02 All contract pilots or pilots of chartered aircraft shall hold at least a commercial pilot certificate with instrument rating. All pilots of non-military aircraft shall possess ratings to comply with the FAA Regulation governing the aircraft and operations involved.

18.E.03 All non-military aircraft shall be equipped with a two-way radio.

18.E.04 All non-military flight operations shall be in accordance with the FAA rules governing conduct for the specific operation. (Examples are 14 CFR 133 (Federal Aviation Regulation 133); 14 CFR 135 (Federal Aviation Regulation 135); and 14 CFR 91 (Federal Aviation Regulation 91).

18.E.05 All military flight operations shall be conducted under appropriate DOT/DOD regulations, such as the AR 95 Series.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 023**

Date or Time Period  
**Sunday July 17, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

AM/PM:

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory:

Initial:

Follow-up:

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☒

N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☐

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☐

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space? Yes ☐ No ☐ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☐ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☐

Was a Job Safety Meeting held this day? Yes ☐ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☐ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☐ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC crew day off.</li><li>2. Total personnel: 23.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Sunday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-17-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent			
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman			
Kim Leach	Driver/Operator			
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic			
Troy Whitmore	Oiler/Mechanic			
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
Jacob Olanna	Laborer			
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201							24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329							50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351							2	0	2
Marooka MST 2200 Flatbed w/reel	50-352							26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-11	T-12	W-13	TH-14	F-15	S-16	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426							9	0	9
Cat 980C loader w/bucket & forks	50-501							42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505							29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800							12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100									
Cat D8K Winch Cat	51-101									
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204							43.5	41	84.5

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☐

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☐

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☐



## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	12	13
Activity: CL001003, CTP-3			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)		50%	50%
Activity: CL001402, Soil Removal Excavation Area 31 B		50%	50%
Activity: CL001403, Soil Removal Excavation Area 31 C		50%	50%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E		50%	50%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B		50%	50%
Activity: CL001409- CL001410, Site Removal Area 13 D & E		50%	50%
Activity: CL001406-CL001408, Site Removal Area 13 A , 13 B & 13C			50%
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%
Activity: CL001105, Clean up of 1 acre around Site 24		5%	5%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)=126.595**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- None

Comments:

- None.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05				

---

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

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CQCSM Signature

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Date

---

Site Superintendent Signature

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Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

---

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

A crew day-off. A Maintenance day for the camp; QAR involved in the project Initial Administrative Letter update along with the re-submitted Pay Estimate No. 002.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ABE* *QAR* *18-July*  
*2015*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (7/16/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/14/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 024**

**Date or Time Period**  
**Monday July 18, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 60-65

AM/PM: Partly cloudy to sunny, calm to light winds (0 to 10 MPH), warm temperatures.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Collecting soil screen samples.</li><li>3. Continued plasma cutting of stockpiled scrap metal.</li><li>4. Continued clean up around Site 24</li><li>5. Total personnel: 23.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-18-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	6						24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4						50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351							2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	9						26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7						9	0	9
Cat 980C loader w/bucket & forks	50-501	6						42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	4						29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4						12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1								
Cat D8K Winch Cat	51-101	1								
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204	10.5						43.5	41	84.5

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Materials Received to be Used on or Incorporated into Site

Miscellaneous freight and communication system parts arrived by charter air service.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

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### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

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## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	13	14
Activity: CL001003, CTP-3			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)	25%	50%	75%
Activity: CL001402, Soil Removal Excavation Area 31 B	25%	50%	75%
Activity: CL001403, Soil Removal Excavation Area 31 C	25%	50%	75%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E	25%	50%	75%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B	25%	50%	75%
Activity: CL001409- CL001410, Site Removal Area 13 D & E	25%	50%	75%
Activity: CL001406-CL001408, Site Removal Area 13 A , 13 B & 13C	25%	50%	75%
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%
Activity: CL001105, Clean up of 1 acre around Site 24	50%	5%	55%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05) +63.38 (7/10/05)+ 15.10=141.695**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- None.

Comments:

- None.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Sengit  
CQCSM Signature

7/19/05  
Date

Rollin R. Gabel  
Site Superintendent Signature

7-19-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns covered at the 0700 Safety Tailgate Mtg. Weather turned from a foggy overcast morning to a mostly sunny afternoon; mountain was mostly visible through the day. Crews deployed to the Sites 24 & 25 Debris field areas; sampler crew tending to Sites 31 and at various points about the former main AFS cantonment; More scrap tank steel cut-up. Further investigation of the "Cat trail mountain access" conducted; CQC Hank Seipt and SSHO Toby Petersen on ATV's made it up to the top today. QA photos obtained of project progress and transferred to the PDT. An agenda is received of BEESC PM Steve Johnson for a weekly tele-conference to be held tomorrow Tuesday, 19 July at 0900 hours. Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*SA Miller* *ABE/* *20 July*  
*QAR* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date



## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (7/16/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/14/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	(7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/18/2005

**Safety Meeting:** 7:00 AM

Topics:   Slips, trips and falls as related to uneven ground surfaces  
          Level D PPE  
          Heavy equipment operations  
          First responder procedures for First Aid  
          General site safety rules reviewed

**Clin No:** CL001401/2/-14

**Task to be accomplished:** Collect soil samples from the former Bldg 1001. Location of samples collected 31A-1, 2, 3 and 31B. Soil may contain PCB contamination.

**Observations/Comments:** Observed the soil sample collection process at Bldg 1001. Sample locations were 31A-1, 2, 3 and 31B respectively. Personnel assigned this task were the Lead Sampler Larry Pederson and (1) other. Level D PPE was maintained throughout the process. In addition to the above mentioned PPE, nitrile glove were worn by the sampler. After each sample was collected a glove change was performed to eliminate the spread of possible contamination between samples and other areas to be sampled. Data collection and sampling process were performed IAW SAP.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 025**

Date or Time Period  
**Tuesday July 19, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High:

AM: High overcast, calm to light winds (0 to 10 MPH).

PM: Partly cloudy, sunny, calm to light winds (0 to 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: Yes. Remove Debris on Upper Mountain (CAT trail rehabilitation)  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

No deficiencies noted today.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. 1 BEESC personnel (Kava) departed island and 1 BEESC personnel (Roberts) arrived on island.</li><li>3. Continued collecting soil screen samples.</li><li>4. Continued plasma cutting of stockpiled scrap metal.</li><li>5. Continued clean up around Site 24.</li><li>6. Initiated clean up around Site25.</li><li>7. Initiated removal of armored cable north and west of AFS Ops area.</li><li>8. Completed clean up of Borrow Area Loading Ramp.</li><li>9. Total personnel: 23.</li></ol>



**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	7-19-05		
Clark Roberts	CIH		4	
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiuyuk	Laborer		11	
Truman Kava	Laborer		5.5	Today
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	6						24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4	1					50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		4					25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		6					2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	9	10					26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7	5					9	0	9
Cat 980C loader w/bucket & forks	50-501	6	4					42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	4	6					29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4	5					12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1								
Cat D8K Winch Cat	51-101	1								
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204	10.5	10					43.5	41	84.5

Materials Received to be Used on or Incorporated into Site

Vehicle/equipment parts and miscellaneous material arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

QAR noted some inconsistencies in completion and recording of completed CLIN activities, specifically the recording of CLIN activities CL000806 and of CL001001 (lack of recordings in the activities in the CLIN Completion Summary for 7/16-18). An error, crediting completion of CL0001003, was also noted and corrected for 7/16-18.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	14	15
Activity: CL001003, CTP-3			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)	15%	75%	90%
Activity: CL001402, Soil Removal Excavation Area 31 B	15%	75%	90%
Activity: CL001403, Soil Removal Excavation Area 31 C	15%	75%	90%
Activity: CL001411-CL001415, Soil Removal Areas 7A-7E	15%	75%	90%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B	15%	75%	90%
Activity: CL001409- CL001410, Soil Removal Area 13 D & E	15%	75%	90%
Activity: CL001406-CL001408, Soil Removal Area 13 A , 13 B & 13C	15%	75%	90%
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%
Activity: CL001105, Clean up of 1 acre around Site 24	30%	55%	85%
Activity: CL001106, Clean up of 1 acre around Site 25		50%	50%
Activity: CL000704, Former Borrow Area Loading Ramp			95%
Activity: CL000910, Armored Cable West of Building 98		50%	50%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05)+63.38 (7/10/05)+15.10 (7/16/05) =141.695**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Weekly conference call between USACE and BEESC, 0900 to 1015.
- One BEESC laborer (Kava) left island and BEESC CIH (Roberts) arrived on island.
- Completed CLIN Activity CL000704.

Comments:

- None.

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

7/20/05  
Date

[Signature]  
Site Superintendent Signature

7-20-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns covered at the 0700 hours morning Tailgate. Weather is good throughout the day, with a high overcast turning to broken clouds with sunshine in late morning –second good weather day in a row in 2 weeks. More strong sun shall be needed to help evaporate some of the standing water in the MEC Bldg excavation for PCB sampling, as well as on the yet-to-be graded mountain slope.

The Lower Tram, Borrow Source Loading Area ramp was cleared of debris with the small excavator (CLIN 704 ). QA obtained photos of field debris clean-up progress to compare against yesterday's photos and transmitted same to the PDT. Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ALGE/QAR* *21-JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length.	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
	Electrical vault along Sewer Outfall utilidor, NE.			
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.05 bgs. Excavation 31A	NE Cape	BEESC	
CL001402-14	Excavate soil to 0.5' bgs. Excavation 31B	NE Cape	BEESC	
CL001403-14	Excavate soil to 0.5' bgs. Excavation 31C.	NE Cape	BEESC	
CL001404-14	Excavate soil to 1.0' bgs. Excavation 14A.	NE Cape	BEESC	
CL001405-14	Excavate soil to 0.5' bgs. Excavation 14B.	NE Cape	BEESC	
CL001406-14	Excavate soil to 2.5' bgs. Excavation 13A.	NE Cape	BEESC	
CL001407-14	Excavate soil to 4.5' bgs. Excavation 13B.	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

### INITIAL PHASE CHECKLIST

CONTRACT NO.: W911KB-04-C-0019

DATE: July 19, 2005, 1:00-1:30

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE WORK: Remove Debris on Upper Mountain

GOVERNMENT REPRESENTATIVE NOTIFIED 0 HOURS IN ADVANCE.

**I. Personnel Present, Including Work Crew:**

	NAME	POSITION	COMPANY
1.	Henry Seipt	CQCSM	BEESC
2.	Rollie Goebel	Site Superintendent	BEESC
3.	Mac McDonald	Foreman	BEESC
4.			
5.			
6.			
7.			
8.			

**II. Indicate Exact Location of Feature / Item Inspected:** Site 33 and Site 34 and their environs plus the Cat road leading from the Lower Mountain area to the Upper Mountain.

**III. Materials and Equipment Being Used Are In Strict Compliance With Contract**

**Requirements.** Yes. Heavy equipment to rehabilitate the Cat road, off-road vehicles to access debris sites at the Upper Mountain, off-road lifting and hauling equipment, hand tools, and debris containers are present on NE Cape.

If Not, Explain

**IV. Procedures and / or Work Methods Witnessed Are In Strict Compliance With Contract**

**Requirements:** Yes. The various types of debris (primarily wood (70%) and metal (30%)) will be removed, reduced in size if necessary, hauled from the Upper Mountain to the AFS Ops area, loaded into sea-going containers (connexes), sealed, weighed, and the containers stockpiled for subsequent sea shipment from NE Cape to a designated landfill for disposal.

If Not, Explain:

**V. Construction Tolerances and Workmanship Standards Are In Strict Compliance**

**With Contract Requirements :** Yes. Workmanship standards, i.e., removal of the USACE designated debris in Debris Fields #1 and #2 is delineated in Appendix H of the CQC Plan.

State Areas Where Improvement is Needed: \_\_\_\_\_

**VI. Required Inspection and Tests Are Demonstrated and In Strict Compliance With**

**Contract Requirements:** Yes. Visual field checks will be completed to ensure USACE designated debris is found and removed. No testing of any sort is associated with this DFW.

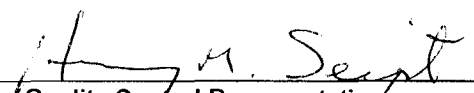
If Not, Explain:

**VII. Safety Procedures of Hazard Analysis Followed:** Yes. Chemical hazards are not anticipated to be encountered during completion of the DFW. Level D PPE should provide adequate safeguards against any physical hazards associated with this DFW. The steep grade and poor condition of the Cat trail road will require extreme care by the equipment operators during the trail rehabilitation process.

If Not, Explain Corrective Action: \_\_\_\_\_

**VIII. Instruction Received From Government Representative (Include Any Discussion On Testing, Control Procedures, and Definitive Description of the Agreed On Quality of Workmanship):**

1. None.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**NE CAPE TRAM & DEBRIS REMOVAL  
TELECON AGENDA  
0900 hr July 19, 2005**

Reminder: Conference call-in number: 1 800 315-6338, Access code: 25037#

1. Progress to date
  - a. Mobilization
  - b. Work Items
  - c. Health and safety issues
    - i. Training update
  - d. Waste transport/disposal issues
2. Work for upcoming week
3. Potential additional items
  - a. Waste items
  - b. Site 7
4. Schedule update
  - a. Projected completion date
5. Other issues
6. Progress Invoice 02

**WEEKLY MEETING  
JULY 19, 2005**

**NE Cape: R. Goebel, H. Seipt, T. Peterson, L. Pederson, and S. Mills  
BEESC Anchorage: S. Johnson, C. Croley, and P. Curl**

**AGENDA PROVIDED BY BEESC**

**1. Progress to Date**

**A. R. Goebel**

**Provided a chronology of work completed to date (through July 18).**

**B. H. Seipt**

**Provided a list of CLIN Activities complete to date.**

**Preliminary Work CLINs 2 & 3**

**CLINs 8 & 11**

**CLIN 9**

**CLINs 10 & 16**

**CLIN 14**

**C. L. Pederson**

**Provided a summary of soil and concrete sampling activities and projected activities.**

**C. T. Peterson**

**Provided a summary of Safety and Health issues including site training activities (ATV's and Plasma Cutting)**

**D. P. Curl**

**2. Week's Upcoming Work**

**A. Completion of CAT trail to Upper Mountain**

**B. Upper Mountain work depending on weather conditions**

**C. Lower Mountain work (plasma cutting, debris removal, cable pick up)**

**3. Potential Additional Items**

**A. Additional antennas south of Site 24/25**

**B. Material tonnages**

**C. Site 7 metal tonnage**

**4. Schedule**

**A. Work on schedule. On tract for September 8 completion date.**

**5. Invoicing**

**A. S. Mills spoke with S. Johnson and USACE Fairbanks personnel discussed second progress payment, sending in by BEESC and payment by USACE.**

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 026**

**Date or Time Period**  
**Wednesday July 20, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 45-50

AM/PM: Low overcast to foggy conditions, light to moderate winds (10 MPH to 20 MPH), and sporadic light precipitation.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

See entry below under Field Sampling and Testing.

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total
Ensys Soil Screening	Soil		47
Approximately 50% of screen sample testing has been completed.			

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

An Ensys QC calibration test was performed after approximately every 8 soil samples. The water content in 14 of the 47 samples collected was found to be too high for the Ensys screening method. Results of the 14 tests were deemed to be unreliable and will require retesting of the sample.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed collecting soil screen samples at soil excavation sites.</li><li>3. Initiated PCB soil sample screen testing.</li><li>4. Removed wood poles and miscellaneous debris south of the road to Sites 24/25 and in the AFS Ops area.</li><li>5. Completed clean up around Site 24 and Site 25.</li><li>6. Completed removal of armored cable north and northwest of AFS Ops area.</li><li>7. Completed clean up of Borrow Area Loading Ramp.</li><li>8. Completed rehabilitation of the CAT road to the Upper Mountain area.</li><li>9. Total personnel: 23.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Wednesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-20-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH		11	
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		11	
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer			
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	6		11				24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4	1					50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		4	4				25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		6	11				2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	9	10	11				26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									



Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7	5					9	0	9
Cat 980C loader w/bucket & forks	50-501	6	4	6				42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	4	6					29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4	5					12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1		6						
Cat D8K Winch Cat	51-101	1		7						
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204	10.5	10	5				43.5	41	84.5

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	15	16
Activity: CL001003, CTP-3			
Activity: CL001401, Soil Removal Excavation Area 31 (A-1,2, & 3)	5%	90%	95%
Activity: CL001402, Soil Removal Excavation Area 31 B	5%	90%	95%
Activity: CL001403, Soil Removal Excavation Area 31 C	5%	90%	95%
Activity: CL001411-CL001416, Soil Removal Areas 7A-7E	5%	90%	95%
Activity: CL001404-CL001405, Soil Removal Areas 14 A & 14B	5%	90%	95%
Activity: CL001409- CL001410, Soil Removal Area 13 D & E	5%	90%	95%
Activity: CL001406-CL001408, Soil Removal Area 13 A , 13 B & 13C	5%	90%	95%
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%
Activity: CL001105, Clean up of 1 acre around Site 24	10%	85%	95%
Activity: CL001106, Clean up of 1 acre around Site 25	45%	50%	95%
Activity: CL000911, Armored Cable Sewer Outfall to NE	45%	50%	95%
Activity: CL000302, Upper Mountain Access			100%
Activity: CL000620, CMP Water Collector			95%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05)+63.38 (7/10/05)+15.10 (7/16/05) =141.695**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.) Completed CLIN activities CL001401-CL001416, CL001105, CL001106, CL000911, CL000302 and CL000620.

Comments: Added CLIN activities CL001409-CL001417 as per changes delineated in the modification dated 5/5/2005.

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/21/05  
Date

Rollin R. Babel  
Site Superintendent Signature

7-21-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns at the 0700 hours morning Safety Tailgate. Morning weather was high overcast with some mtn fog. Low-lying fog increased through the afternoon with an incoming low pressure that brought gusty winds.

More work accomplished in the sampling pits, the target debris fields in the AFS perimeter, and the mtn access. As reported, CLIN's 302, 620, 911, 1105, 1106, 1401 thru 1411 completed today. As per the recently awarded mod', CLIN's 1409 – 1417 added to taskwork ( PCB soil excavations & transport to staging ) . Safety observed throughout despite deteriorating weather conditions.

QA Safety Inspections/Observations not noted in above comments:

*D.A. Mills* *ACoE* *22 JULY*  
*/QAR* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/20/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet conditions  
Level D PPE  
Control of bleeding, use of gauze, application of pressure on wound, fractured limbs  
General site safety rules reviewed

**Clin No:** CL00910

**Task to be accomplished:** Removal Armored Cable on the ground in the vicinity of AFS Ops.

**Observations/Comments:** This safety report is a follow-up to the report dated 07192005. This report will be used to document the corrective action process associated with the repair of the hydraulics driven reel assembly. Problems to be corrected were:

1) The hydraulic systems release of the cable after collection on the reel.

2) Providing a positive and immediate means of shutting the system down.

The BEESC Mechanic was performing various system specific equipment checks as I arrived in the AFS Ops area. I observed the cycling of the hydraulic system which is used to engage the reel/drum mechanism. Performance was intermittent and would be evaluated with a load on the system. Even without hydraulic means the system could be operated safely in a manual configuration. The positive/immediate means of shutting the system down was of greater concern. The mechanic was unable to install a kill mechanism (due to mechanical constraints) to allow for a force shutdown. Instead, the fuel cutoff switch was used to stop the system. This action does provide a means to shut the system down. The timeframe with which the corrective action was performed was more than adequate. Lost production time due to corrective action/repairs was minimal. During the collection of cable in AFS Ops area the system appeared to be functioning as designed.



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 027**

Date or Time Period  
**Thursday July 21, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Low to moderate overcast, light to moderate winds (10 MPH to 20 MPH), and light to moderate precipitation throughout day.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: Yes.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total
Ensys Soil Screening	Soil		48

Initial screen sampling of soil excavations completed. Also includes additional samples from re-excavation of Sites 7E and 13E.

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

Six of the 48 samples were Ensys QC method (calibration) samples.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☒ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Level C PPE utilized by 1 BEESC personnel to pulverized PCB-impacted concrete in order to generate sample material for the Ensys screen test. A respirator fit testing was completed by the SSHO prior to beginning the pulverization process.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed PCB soil sample screen testing at of soil excavation sites.</li><li>3. Initiated PCB concrete sample screen testing for off site disposal.</li><li>4. Continued picking up and loading into containers miscellaneous stockpiled debris.</li><li>5. Completed removal of concrete pad CTP 13-3.</li><li>6. Excavated additional soil at Excavation Sites 13E and 7E.</li><li>7. 2 BEESC personnel (Calugan and Roberts) left island by air charter.</li><li>8. 1 IT personnel (Welsh) left island by air charter.</li><li>9. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Thursday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	7-21-05		
Clark Roberts	CIH		8	Today
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman		8	Today
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer			
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
Brian Welsh	IT Tech		1 Day	Today
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	6		11	11			24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4	1		7			50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		4	4	2			25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		6	11	2			2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	9	10	11	2			26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7	5					9	0	9
Cat 980C loader w/bucket & forks	50-501	6	4	6				42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	4	6		8			29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4	5		3			12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1		6						
Cat D8K Winch Cat	51-101	1		7	3					
Hitachi EX300LC Excavator	51-200							0	19.5	19.5
Hitachi EX120 Excavator	51-204	10.5	10	5	10			43.5	41	84.5

Materials Received to be Used on or Incorporated into Site

Vehicle parts and miscellaneous freight arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	16	17
Activity: CL001003, CTP 13-3			95%
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%

**Accumulative tonnage of concrete removed: 63.215 (7/8/05)+63.38 (7/10/05)+15.10 (7/16/05) =141.695**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activity CL001003.
- Completed initial Ensys screen sampling of soil excavation sites. Ensys PCB soil screening results indicated excavation sites 31A, 31B, 31C, 14A, 14B, 7E, 13A, 13B, 13C, 13D and 13E require further soil removal.
- Excavation sites 13E and 7E were overexcavated (approximately 6 inches of additional soil was removed from the bottom of the pit) and resampled. Ensys PCB soil screening results indicated no further excavation was required at excavation site 13E, but would be required at site 7E. The latter site bottomed in landfill solid waste.
- Two BEESC personnel (Roberts and Calugan) and one IT subcontractor personnel (Walsh) left island.

Comments:

**COMPLETED CLIN FIELD ACTIVITIES**

<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/22/05  
Date

Jella Roedel  
Site Superintendent Signature

7-22-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Morning concerns at the 0700 hours morning Safety Tailgate Mtg is for slips due to the precipitation of the prior evening and potential for today. Labor is reminded of the three-point access and egress rule for the heavy equipment to help prevent slips on elevated steel surfaces. Weather through the day was continually overcast, foggy with intermittent light rain. As reported, more PCB sampling at Sites 07, 13, and 31; Metals debris-cutting continues in the metals cutting area; More debris collected from the former AFS Ops area perimeter.

As reported; Have confirmed there to be PCB hits in EnSys PCB soil screening results indicating PCB detect above 0.5 ppm in excavation sites 7E; 13A – E; 14A & B; and 31A – C . Six more inches in soil depth were removed at Sites 7E and 13E; The next sample at 7E revealed additional PCB detect above 0.5 ppm, but that sample was observed to be probably occurring circa landfill debris. The 13E extra soil removal for that following sample cleared that pit. All other pits may require further soil removal. Lab analyses returns next week shall reveal the true numbers in volatile ppm with which the PDT may determine where further excavation of these pits is desired. The QAR shall seek to update the total quantity of soil excavated thus far.

Site 13 ( Bldg 110 ) Concrete Transformer Pad (CTP 13 – 03) CLIN completed today.

Additional QA photos obtained at Site 07 today; Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*S. A. Miller* *ACE* *23-July*  
*QAR* *105*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date



## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 21, 2005

Definable Feature: Various Specified Sites/Areas of Interest on Lower Mountain, Roads, Pads, Cargo Beach and in the Surrounding Tundra

Government Representative Notified   0   Hours in Advance

### CLIN Activities:

CLIN 6---CL000620

CLIN 7---CL000704

CLIN 8---CL000801 and CL000806

CLIN 9---CL000911, CL000913, and CL000914

CLIN 10---CL001001

CLIN 11---CL0011105 and CL001106

CLIN 14---CL001401-CL001416

### I. Personnel Present:

Name	Position	Company/Government
H.Seipt	CQCSM	BEESC

### II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.

Comments: Inspected above listed sites over the last week to ascertain completion of work in accordance with the specified CLIN activity in the project's scope of work.

### III. Completed Work

Ensure work is complete and in compliance with contract requirements. If not, what action is taken? Yes. Specified clean up activities to remove metal, wood or miscellaneous debris or have been completed at the respective sites. A walk-through with Site Supervisor or Foreman will be completed prior any USACE review.

### IV. Resolve any differences.

Record Drawings Updated: N/A

Date

Corrective Action Log Updated: None

Date

### V. Check Safety.

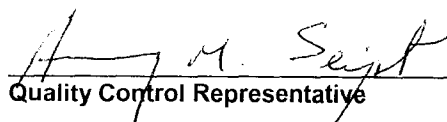
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 21, 2005

Date

Comments: No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**Date:** 07/21/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with hazards in the camp kitchen  
Level D PPE  
Level C for concrete sampling  
Heavy equipment operation as it related to contact with laborers  
Ergonomics risk factors, i.e., repetition, awkward physical positions, and stress/vibrations  
General site safety rules reviewed

**Clin No:** 10

**Task to be accomplished:**

**Observations/Comments:** Provided training and instruction to **Jacob Olanna Jr.** on the use of the Half face respirator: North 7700 30M with NIOSH OV/P100 filter cartridges. Training was conducted in accordance with (IAW) Appendix A and B of the Site Specific Health and Safety Plan (SSHP) dated May 2005. Training included a Qualitative Fit Test using Irritant Smoke (Stannic Chloride). The protocol outlined in the Respiratory Protection Program of Appendix B of the SSHP was used to conduct the fit test. This training was performed to assist in the collection of samples and provide as needed support to the Project Sampler Larry Pederson.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 028**

**Date or Time Period**  
**Friday July 22, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 60-65

AM: High overcast, sunny to partly sunny, calm to light winds (0 to 10 MPH). PM: Sunny to partly sunny, calm to light winds (0 to 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total
Ensys Soil Screening	Soil		48
Initial screen sampling of soil excavations completed. Also includes additional samples from re-excavation of Sites 7E and 13E.			

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

Six of the 48 samples were Ensys QC method (calibration) samples.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB in soil	EPA Method 8082		+/- 80
PCB in concrete	EPA Method 8082		10

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved? (soil and concrete only)

Yes ☐ No ☐ N/A ☒

All collected soil and concrete samples (including QC duplicates and QA samples) were transported by the Environmental Sampler to BEESC's office via air and transported on to the designated laboratories (QC and QA) after their arrival in Anchorage.

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

During all soil sampling, the excavator bucket was brushed to remove loose soil, spray washed with a detergent mix , and towel dried after each sample collection event.

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. 1 BEESC personnel (Kava) and 1 medical contractor personnel (Steel) arrived on island.</li><li>3. 1 BEESC personnel (Pederson) and 1 medical contractor personnel (Leslie) departed island by air charter in PM.</li><li>4. Continued size reduction of scrap steel via plasma cutters and hydraulic shears.</li><li>5. Continued loading of scrap steel into connexes.</li><li>6. Overexcavated soil excavation site 7A one foot and collected additional screen samples.</li><li>7. Removed debris along the perimeter of the roadway from AFS Ops and airport.</li><li>8. Removed debris adjacent to the airport runway.</li><li>9. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Friday	Hours	Off Island
<b>BEESC</b>		<b>7-22-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	Today
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		0	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Cheryl-Ann Leslie	Medic		1 Day	Today
Ken Steel	Medic		0 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	



**Equipment On Site**

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	6		11	11	9		24	2.5	26.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4	1		7	1		50	14.5	64.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		4	4	2	6		25	4	29
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		6	11	2			2	0	2
Marooka MST 2200 Flatbed w/reel	50-352	9	10	11	2			26.5	1.5	28
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Week	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7	5					9	0	9
Cat 980C loader w/bucket & forks	50-501	6	4	6	11			42.5	6.5	49
Cat 988B loader w/bucket & forks	50-505	4	6		8			29	26	54
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4	5		3			12	3.5	15.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1		6						
Cat D8K Winch Cat	51-101	1		7	3					
Hitachi EX300LC Excavator	51-200					2		0	19.5	19.5
Hitachi EX120 Excavator	51-204	10.5	10	5	10	10		43.5	41	84.5

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Materials Received to be Used on or Incorporated into Site

Miscellaneous machinery/equipment parts arrived by air charter.

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Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

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# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	17	18
Activity: CL00804, Scrap Metal Removal		15.8 tons	5%
Activity: CL001501, Additional Soil Removal at Excavation Site 7			

**Removed concrete tonnage: 63.215 (7/8)+63.38 (7/10)+15.10 (7/16)+13.97 (7/19) =155.665**

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel (Kava) arrived and one BEESC personnel (Pederson) departed via air charter.
- One medical personnel (Leslie) departed and one medical personnel arrived (Steel) via air charter.
- Soil excavation site 7A was inadvertently left off yesterday's list of sites requiring additional excavation. The bottom of the site was overexcavated 1 foot and resampled. The site appeared to bottom in landfill solid waste.

Comments:

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/23/05  
Date

Robert G. Gabel  
Site Superintendent Signature

7-23-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Morning 0700 hours Safety Tailgate Mtg commenced under high overcast conditions with light breezes turning to gusty winds by mid-day; Mostly sunny though and good working weather.

District approval granted for additional soil removal for another sample at Site 7A. Reported work also accomplished along the access road between the airstrip and the former AFS Ops Area, is believed to be the CLIN 905 - Poleline "C" debris with the removal of several metal and wood poles debris. QA photos obtained.

CQC Hank Seipt also walked a portion of the previously reported felled wooden poleline that appears to exist on the Southern side of the airstrip. It is not believed to have been nominated to the Work scope. There are approximately a half-dozen poles visible but appears that this line may have proceeded from the airstrip vicinity in the direction of the former AFS Ops area cantonment. More exploration shall be undertaken by ATV to ascertain the number of poles.

THE CQC and QAR shall establish a separate tracking of perceived changes in the scope.

QA Safety Inspections/Observations not noted in above comments:

*J.A. Mills* *ACB/QAR* *24 JULY*  
*2005*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	



**Date:** 07/22/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with hazards in the camp kitchen  
Level D PPE  
Heavy equipment operation as it related entering and exiting equipment  
Response to accidents and near misses  
General site safety rules reviewed

**Clin No:** CL000804

**Task to be accomplished:**

**Observations/Comments:** Days activities were centered on the metals scrap staging area. The photographs below depict various work related tasks from plasma cutting to hydraulic shear cutting. Materials were cut into manageable sizes to facilitate stowage in cargo containers for transport to a metals recycling facility. Given a relatively small footprint to work within, multiple pieces of heavy equipment and (5) laborers coordinated a safe and very efficient evolution. All personnel assigned maintained the proper PPE for their work specific task.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 029**

Date or Time Period  
**Saturday July 23, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 60-65

AM: High overcast, thick ground fog with sun breaks, calm winds. PM: Sunny, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Site orientation meeting conducted with new medic.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued size reduction of scrap steel with plasma cutters.</li><li>3. Continued loading of scrap steel into connexes.</li><li>4. Completed removal of matting NW of airport runway.</li><li>5. Collected suspected ACM samples from boiler in connex 422.</li><li>6. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

# Equipment On Site

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	0	6
Ford Lube/Fuel Tk	50-201	6	0	11	11	9	10	47	26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	4	1	0	7	1	1	14	64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	0	4	4	2	6	0	16	29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	0	6	11	2	0	8	27	2	29
Marooka MST 2200 Flatbed w/reel	50-352	9	10	11	2	0	0	32	28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426	7	5	0	0	0	0	12	9	21
Cat 980C loader w/bucket & forks	50-501	6	4	6	11	0	11	38	49	87
Cat 988B loader w/bucket & forks	50-505	4	6	0	8	0	0	18	54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800	4	5	0	3	0	4	16	15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1	0	6	0	0	0	7	0	7
Cat D8K Winch Cat	51-101	1	0	7	3	0	0	11	0	11
Hitachi EX300LC Excavator	51-200	0	0	0	0	2	0	2	19.5	21.5
Hitachi EX120 Excavator	51-204	10.5	10	5	10	10	10	55.5	84.5	140

Materials Received to be Used on or Incorporated into Site

Miscellaneous machinery/equipment parts arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	18	19
Activity: CL00804, Scrap Metal Removal		60.776 tons	21.7%
Activity: CL001501, Additional Soil Removal at Excavation Site 7			
Activity: CL000908, Removal of Matting NW of Airport Runway			95%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Complete CLIN Activity CL000908.

Summary of Materials Removed as of Week Ending July 23, 2005:

## Concrete

Date Weighed	Tonnage	Location
July 8	63.215	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
Total	155.655	

## Soil

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
Total	188.67	

## Scrap Steel from AFS Ops Area

Date Weighed	Tonnage	CLIN Activity
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
Total	60.776	

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Comments: None

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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05				



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

7/25/05  
Date

Rollin T. Gelsel  
Site Superintendent Signature

7-25-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns covered at the 0700 hours Safety Tailgate Mtg. Crew had a good working weather day beneath moderate temp's breezes and broken clouds throughout the day.

As reported, more steel cut-up at the steel debris staging area; asbestos discovered within one of the tanks that turned out to be a boiler – samples obtained. This asbestos is not friable and is essentially contained within the the boiler which is housed in a connex. It is surmised that rather than have an asbestos crew mob' to the island, boiler could be transported as-is to Anchorage where it could be abated in Anchorage. Marston matting debris retrievals completed off the NW side of the runway ( CLIN 908 ). QA photos obtained.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ALB/QAR* *24 JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/23/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls  
Level D PPE  
Heavy equipment operation as it related entering and exiting equipment  
Hotter weather and personal hydration  
End of week---stay focused on work at hand  
General site safety rules reviewed

**Clin No:** CL000908-9

**Task to be accomplished:** Remove Marston matting, approximately 500 pieces, 100 yds NW of northern end of the airstrip.

**Observations/Comments:** The removal process was accomplished utilizing an excavator and Morooka for the transportation of debris from the work area. Operators Bill Thornton and Olaf Matson were assigned to the excavator and Morooka respectively. Use of the tracked vehicles within the operating area of the airstrip was limited. Special consideration was given to airfield operations and work assigned was scheduled accordingly. Airstrip operations are not limited to scheduled flights only, positive communication between the Site Superintendent and Operators was maintained. PPE assigned was Level D with the addition of a reflective vest. Work performance consistent with guidance outlined in the Work and Demolition Plan and Site Specific Health and Safety Plan.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number

**BEESC Project No. 25037**

UPC/Project Title and Location of Work

**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number

**N. E. Cape 030**

Date or Time Period

**Sunday July 24, 2005**

Client

**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory:

Initial:

Follow-up:

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☐

N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☐

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☐

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space? Yes ☐ No ☐ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☐ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☐

Was a Job Safety Meeting held this day? Yes ☐ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☐ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☐ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Site orientation meeting conducted with new medic.

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC crew day off.</li><li>2. Total personnel: 20.</li></ol>



**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Sunday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-24-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent			
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman			
Kim Leach	Driver/Operator			
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic			
Troy Whitmore	Oiler/Mechanic			
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer			
Sam Mokiuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
Jacob Olanna	Laborer			
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

# Equipment On Site

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	0	6
Ford Lube/Fuel Tk	50-201							47	26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329							14	64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							16	29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351							27	2	29
Marooka MST 2200 Flatbed w/reel	50-352							32	28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-18	T-19	W-20	TH-21	F-22	S-23	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							12	9	21
Cat 980C loader w/bucket & forks	50-501							38	49	87
Cat 988B loader w/bucket & forks	50-505							18	54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800							16	15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100							7	0	7
Cat D8K Winch Cat	51-101							11	0	11
Hitachi EX300LC Excavator	51-200							2	19.5	21.5
Hitachi EX120 Excavator	51-204							55.5	84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	19	20
Activity: CL00804, Scrap Metal Removal		60.776 tons	21.7%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

### Summary of Materials Removed as of Week Ending July 23, 2005:

#### Concrete

Date Weighed	Tonnage	Location
July 8	63.215	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
Total	155.655	

#### Soil

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
Total	188.67	

#### Scrap Steel from AFS Ops Area

Date Weighed	Tonnage	CLIN Activity
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
Total	60.776	

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Comments: None

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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Hyun. Seijt  
CQCSM Signature

7/25/05  
Date

Rolla Barbel  
Site Superintendent Signature

7-25-07  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Crew was "off" today. QAR was involved in catch-up in massive computer backlog of work.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *AGE/QAR* *26 JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 031**

Date or Time Period  
**Monday July 25, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 60-65

AM: High scattered clouds, sunny, calm winds.

PM: Sunny, calm to light winds (< 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: Yes. Demolish Tram and Water Line  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)  
  

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Initiated removal of cables and wires along the tram line.</li><li>3. Removed Tower #1 and hauled it to a dismantling area near the location of the former lower tram building.</li><li>4. Continued scrap steel plasma cutting and locating of steel into connexes.</li><li>5. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	7-25-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								0	6
Ford Lube/Fuel Tk	50-201	11							26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5							29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4							2	29
Marooka MST 2200 Flatbed w/reel	50-352								28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								9	21
Cat 980C loader w/bucket & forks	50-501	7							49	87
Cat 988B loader w/bucket & forks	50-505	1							54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								0	7
Cat D8K Winch Cat	51-101	5							0	11
Hitachi EX300LC Excavator	51-200								19.5	21.5
Hitachi EX120 Excavator	51-204	10							84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	20	21
Activity: CL000804, Scrap Metal Removal		118.04 tons	47.22%
Activity: CL000601, Demolition of Tower #1	50%		50%
Activity: CL000503, 2-Inch Wire Removal	25%		25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	25%		25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	25%		25%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Approximately 1,000 feet of cable and wire was removed per each CLIN activity.
- Weighed additional scrap metal generated from the AFS Ops Area.

Comments: None

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05				



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Itay M. Seijt  
CQCSM Signature

7/26/05  
Date

Rollin Ghel  
Site Superintendent Signature

7-26-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate Mtg is held under overcast skies with moderate fog, temperatures and light breezes. Crew was applied to the tasks as stated throughout the day. Today marked the first day a group was applied to the base-cutting, drag-transport by dozer, for the ultimate removal of a tram tower.

In the morning, the QAR observed the tram crew applied to the Lower Tram area where cable was drawn off of the lower mountain and coiled, and just after lunch, the first or lowest tram tower was finally pulled down the mountain. More scrap steel cut-up for disposable. QA photos obtained.

Visitors were expected from the island towns of Gambell and Savoonga for a project site progress tour at 1230 hours today but the weather reports revealed that Gambell was experiencing rain and Savoonga, fog. Therefore, due to a weather delay, this trip was re-scheduled for tomorrow Tuesday, 26 July, at 1230 hours.

Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ACE/QAR* *28 JULY*  
*2005*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/25/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with work in the tundra  
Level D PPE  
Insect hazard with increase of hot, dry and calm weather conditions  
Dry conditions and the possible increase of fire hazard as a result of cutting operations  
Heavy equipment operation and interaction with laborers  
Hydrate frequently during hot weather  
General site safety rules reviewed

**Clin No:** CL000601-6

**Task to be accomplished:** Remove Tram Tower #1. Painted, Steel and Anchored to concrete pad.

**Observations/Comments:** The operation commenced with the removal of (3) cables adjacent to tram tower #1. Cables extended in a northeast to southwest direction, respective to tram tower #1 and 7. Cables were attached utilizing a wire choker and winch hook of a bull dozer. The line of pull was established and cable slack was removed from the system to verify areas of possible tension/attachment points further up mountain. . A safety spotter with radio was placed above and parallel to the intended line of pull (opposite the bight). A slow pull commenced. Approximately 1200 ft of cable was removed during this operation. During field activity 2003 tram tower #1 had moved from a vertical attitude to that pictured below. The tower required the removal of multiple hard points: (2) cable connections and points where the tower legs entered concrete pads on the upper mountain side. After completion of the cutting operations the bull dozer pushed the remains down towards the lower tram area. The tower will be dismantled utilizing the excavator with a hydraulic shears attachment.

**NE CAPE TRAM & DEBRIS REMOVAL  
TELECON AGENDA  
0900 hr July 26, 2005**

Reminder: Conference call-in number: 1 (800) 315-6338, Access code: 25037#

1. Progress to date
  - a. Work Items Summary
  - b. Health and safety issues
  - c. Waste transport/disposal issues
2. Work for upcoming week
3. Potential additional items
  - a. Waste items – boiler w/potential ACM issues
  - b. PCB-contaminated soil
4. Schedule update
  - a. Projected completion date
5. Other issues
6. Progress Invoice 02 and 03

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 032**

Date or Time Period  
**Tuesday July 26, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 60-65

AM: Thick ground fog, calm winds.

PM: Sunny, calm to light winds (< 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed, and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒



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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Moved filled connexes from staging location in AFS Ops Area to Cargo Beach.</li><li>3. Removed miscellaneous debris east and north of AFS Ops Area.</li><li>4. Removed tanks from tundra north of AFS Ops Area.</li><li>5. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>		<b>7-26-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								0	6
Ford Lube/Fuel Tk	50-201	11							26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9						1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10						64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10						29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10						2	29
Marooka MST 2200 Flatbed w/reel	50-352		11						28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415									

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								9	21
Cat 980C loader w/bucket & forks	50-501	7	2						49	87
Cat 988B loader w/bucket & forks	50-505	1	11						54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								0	7
Cat D8K Winch Cat	51-101	5							0	11
Hitachi EX300LC Excavator	51-200								19.5	21.5
Hitachi EX120 Excavator	51-204	10							84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	21	22
Activity: CL000804, Scrap Metal Removal		118.04 tons	47.22%
Activity: CL000601, Demolition of Tower #1	0%	50%	50%
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000901, Remove steel tanks located in tundra			95%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN activity CL000901.
- Weekly USACE/BEESC telecommunication meeting conducted.

Comments: None

### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05+	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000901	7/26/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

14 m. Supt  
CQCSM Signature

7/27/05  
Date

Rollie Fosh  
Site Superintendent Signature

7-27-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Area received an early morning rain shower ( 0300 – 0600 hours ); Residual humidity created an enduring heavy morning fog. With no breezes, this heavy fog condition lasted through mid-day. Morning 0700 hours Safety Tailgate covered standard field concerns especially for poor visibility & slickened conditions. As described, visibility improved in the afternoon; that work conducted under high haze, light breezes, broken clouds and drying conditions. Although not reported, the weekly tele-conference was also conducted from the BEESC island office at 0900 hours and updates given to District and NAO personnel.

The anticipated local Gambell and Savoonga towns' visitors arrival slated for 1230 hours, was cancelled for the second consecutive day – this time until Thursday, 28 July due to the ambient problematic weather conditions. The crew would not work the mountain today due to the fog and poor visibility; A photo was obtained of the field crew on a Marooka with crane recovering more AFS Ops area debris.

Despite poor visibility, good progress. Two tanks retrieved from tundra situated North of the AFS Ops area ( CLIN 902 ) completed. Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ME/QAR* *28 JULY '05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	

**Date:** 07/26/2005

**Safety Meeting:** 7:00 AM

Topics:     Slips, trips and falls associated with steep slopes and loose wet rock  
              Level D PPE  
              Heavy equipment operation and interaction with laborers in steep terrain  
              Hazards of cables and wires under tension  
              General site safety rules reviewed

**Clin No:** CL000909-9

**Task to be accomplished:** Remove debris along exposed landfill face. Exposed face is over 300' long and 3-5' high. Location is 500' north of AFS Ops.

**Observations/Comments:** The collection of debris encompassed the immediate areas north and east of AFS Ops. Work accomplished included the hand removal of empty drums, construction debris, roofing materials and wooden poles. Heavy/awkward lifts were performed by the extension arm attached to the trailer assembly of the Morooka. PPE level D was observed for all work conditions. The addition of chaps and face shield were required for chainsaw operations. Caution was exercised during the lifting of overhead loads. Debris collected was weighed and staged for further disposition. Wood (untreated) will be burned on-site. The remaining materials will be containerized for transport off-island.

**WEEKLY MEETING**

**JULY 26, 2005**

**09:00-09:30**

**NE Cape: R. Goebel, H. Seipt, T. Peterson, and S. Mills**

**BEESC Anchorage: S. Johnson, and C. Croley**

**USACE: P. Schneider, S. Kimball, G. Osgood, C. Cossaboom and L. Geist**

**BEESC AGENDA**

**1. Progress for the Week**

**A. R. Goebel**

**Debris Removal N of AFS Ops Area**

**Debris Removal Around the Airport Runway and CL000908**

**Initial Tram Line Work (Tower #1 and Cable/Wire Removal)**

**Estimate field work 45% completed. Estimate finish sometime between**

**8/19-26**

**B. S. Johnson**

**Soil and concrete samples sent into lab. Expect results back by this Friday. Additional samples sent in to compare with Ensys screen results.**

**2. Week's Upcoming Work**

**A. Off-island removal of 42-44 connexes anticipated for August 1 or August 2.**

**B. Waste profiles and manifests to be completed this week.**

**C. Calm days expect to do Upper Mountain work (tram line and debris fields), bad weather days anticipate Lower Mountain work (scrap steel) plasma cutting, debris removal, connex loading, and cable pick up)**

**3. Potential Additional Items**

**A. Boiler/ACM issue**

**Samples collected and will be sent in to confirm presence of asbestos minerals. S. Johnson stated preliminary inquiry with Waste Management indicated boiler could be taken as non-friable ACM if boiler opening sealed prior to shipping.**

**B. St. Lawrence Island Visitors (scheduled for today, if not, later this week depending on weather conditions)**

**4. Invoicing**

**A. S. Johnson stated he has sent in of Progress Billing Invoices 2 and 3.**

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 033**

Date or Time Period  
**Wednesday July 27, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Thick ground fog, calm winds.

PM: High cloud cover, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed barrel removal from Upper Mountain.</li><li>3. Completed removal of transformer pad on Upper Mountain.</li><li>4. Initiated clean up of Debris Field #1 on the Upper Mountain.</li><li>5. Completed removal of Line Support Tower #11.</li><li>6. Initiated removal of Line Support Towers #1, #2, and #10.</li><li>7. Total personnel: 20.</li></ol>

BEESC/USACE 2PM Meeting (Seipt & Goebel)/Mills

#### Topics

1. BEESC believes a wood pole line running from the former Airport Terminal approximately 3000 feet SE towards AFS Ops area is Pole Group C (CLIN Activity CL000905). No metal poles (as delineated in the item description) are associated with the pole line. The length (approximately 20 feet) and distance between poles (100 feet) appears to be accurately described. One major inconsistency is the estimated weight of two tons. The weight of the wood poles will be substantially greater than the estimated tonnage provided by the USACE.

2. BEESC asked for clarification on where the 50 tons of debris should be removed at the Site 7 landfill. Debris is visible along the landfill perimeter on both the east and west sides of Cargo Beach Road. As the tonnage to be removed is small in comparison to the material present, BEESC requests guidance from the USACE on the priority of the debris type and/or areas which the USACE desires to be removed and/or cleaned up.

3. BEESC informed the USACE of the presence of an apparent former landfill east of BEESC's connex staging area northeast of the AFS Ops area. Miscellaneous debris (mostly metal) outcrops along the perimeter of the former landfill. BEESC intends to remove scatted debris (wood poles, windblown construction materials, steel drums, a skeet range, etc.) east of the Airport-AFS Ops road, but will not remove debris associated with the landfill.

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Wednesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>7-27-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								0	6
Ford Lube/Fuel Tk	50-201	11		11					26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9						1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10						64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10						29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10	5					2	29
Marooka MST 2200 Flatbed w/reel	50-352		11	9.5					28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415			8						



Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								9	21
Cat 980C loader w/bucket & forks	50-501	7	2						49	87
Cat 988B loader w/bucket & forks	50-505	1	11						54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								0	7
Cat D8K Winch Cat	51-101	5							0	11
Hitachi EX300LC Excavator	51-200								19.5	21.5
Hitachi EX120 Excavator	51-204	10		10					84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	22	23
Activity: CL000804, Scrap Metal Removal		118.04 tons	47.22%
Activity: CL000601, Demolition of Tower #1	0%	50%	50%
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Line Support Tower #1			50%
Activity: CL000609, Line Support Tower #2			50%
Activity: CL000617, Line Support Tower #10			50%
Activity: CL000618, Line Support Tower #11			95%
Activity: CL000702, Clean up of Debris Field #2			5%
Activity: CL001604, Transformer Pad CTP-3 (Upper Mountain)			95%
Activity: CL000701, Drum Removal from Upper Mountain			95%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activities CL000618, CL000701, and CL001604.

Comments: None

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL001604	7/27/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seng  
CQCSM Signature

7/28/05  
Date

Rollin Stahl  
Site Superintendent Signature

7-28-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Tailgate Safety Mtg is conducted under ambient heavy fog conditions that lifted from the general area around mid-day. Standard issues were covered in the mtg; Prep' field work for the second Tram Tower was slated for today.

This prep' work would involve most of the working day in slope grading the lower mountain, and select precision-cutting of the tower frame base with those associated un-necessary cables. The tower could not be taken down today, but was prepared for the next weather-accessible day when subsequent demo' and transport off the slope could occur. Those cables in tension that were left in-place overnight were those identified to hold the tower in-place and will later be used during the tower takedown in maintaining stability and control of the frame.

A few tramline support towers were also partially demo'ed ( Support towers No. 1, 2, & 10 at 50% demo', with No. 11 completely demo'ed and removed to the mountain base staging area ). Marookas were also used today in upper mountain access for the removal of drums and a concrete transformer pad (CTP) -03 pad breakup and transport down the mountain ( CLIN's No. 701 & 1604 completed ).

A 1400 hours conference was held among the BEESC site personnel CQC Hank Seipt, Site Supt Rollie Goebel, and the QAR. It was determined the previously referenced Pole line "C" anomaly, originally discovered and reported in prior Daily Reports ( Daily No. 20, Thurs., 14 July; & No. 28, Fri., 22 July ), as being Work Plan/ CLIN - defined as steel poles, is an error. It was mutually agreed that the Pole line "C" as depicted within the plan view map of the area is accurate, but those poles are actually wood timbers, not steel as described in the CLIN list. It appears that a conjunction of the two lines had been created in the Contractor 2003 record.

The steel poles reference a pole line that also commences near the access road bridge adjacent to the airstrip staging area, but parallels the access road for a couple of hundred yards in an Easterly, then a couple of hundred yards SouthEasterly direction towards the AFS Ops area. This pole line was inadvertently omitted from the 2003 Contractor estimate, and therefore the steel poles tonnage weight incorrectly transposed to the assumed Pole line "C". As reported, the timber poles should weigh more than the 2-ton dedication for the steel pole line, and the steel line will present all new weights for payment consideration.

It was agreed that a continued tracking of the debris over-ages with under-ages would be maintained by the Contractor, and potential changes posted separately in a list within the Daily Reports

for ready PDT updating. Debris tonnage weights over-estimated for designated areas could be assigned to balance those under-estimated areas in the CLIN sheets. It is already known that the steel line is a completely new recovery with no prior tonnage estimate assigned.

It was further determined that the landfill area at Site 07, which has a 50 ton debris estimate, shall be relieved of the largest and most evident debris on the East side of the Cargo Beach Access Road, first. The QAR acknowledged that there is a lot of exposed debris here and stated that the Contractor should gather debris tonnage up to roughly 35 tons, and then inform the QAR when that tonnage has been reached. The QAR shall obtain photos of the East slope at that time. More debris exists on the West side of the access road that appears obvious as a snow machine hazard. When the nominal 35 ton estimate had been reached, a photo exhibit would be presented to the PDT to reveal the amount of accessible debris expected to remain.

In reviewing the QA photos transferred a week ago, the QAR believes the Site 07, 50 ton estimate was estimated with the design idea in mind of a partial debris removal with a gravel cover to be placed on any remaining exposed debris. Currently, ten ( 10 ) tons or more of readily-evident, exposed debris may be readily-culled from the West landfill area, with much more exposed debris available from the East side, as well. Both the Contractor and the QAR realize that any idea involving the transport of gravel to this area to further bury this debris, may require an ADEC landfill permit that wouldn't be approved until next year.

In view of the mobilization expense to come to this island, the PDT may desire to fund a change to remove whatever exposed debris exists after the current 50 ton limit has been achieved, rather than entertain this permit idea to bury remaining debris. These Site 07 removals, if under-estimated as currently projected from the field, may therefore involve a tonnage change for additional debris removals. It was further concurred that regardless of Ops area location(s), if debris is evident atop an apparent landfill area, that debris shall be removed but no excavations of currently buried debris shall be undertaken.

Good crew coordination on the mountain slope today; QA photos obtained; Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*B. A. Miller* *ACE/QAR* *30 July '05*

QAR Signature

Date

Supervisor's Initials

Date

#### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above grnd. And some on grnd. Surface.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000604-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000605-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Tram Tower. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000612-6	Tower. 3 tower posts. Painted Anchored to concrete.	NE Cape	BEESC	
CL000613-6	Tower. Multiple tower posts. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000614-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000615-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000616-6	Tower. Multiple tower posts. Painted. Anchored to concrete	NE Cape	BEESC	
CL000617-6	Tower. One tower post. Painted. Anchored to concrete.	NE Cape	BEESC	
CL000618-6	Tower. One tower post. Painted. Anchored to concrete	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, approx. 500 pieces, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)



**Date:** 07/27/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, uneven wet surfaces  
Level D PPE  
Heavy equipment operation---use of a spotter, operation in steep terrain and 3-point contact when entering and exiting equipment  
Review of AHA #1 with crew  
General site safety rules reviewed

**Clin No:** CL000608-6

**Task to be accomplished:** Remove line support tower #1

**Observations/Comments:** Operations were conducted on line support tower #1. Team consisted of Kim Leach (SS) and (4) laborers. Access to the site was accomplished on ATV's. Cable lines were accessed to potential tension hazards and tower fall direction was determined. Level D PPE was worn by all assigned. Utilizing disc chop saws each laborer took his turn at the tower. After approximately 1 hour the tower had reached the ground, producing approximately 4-5" of tower remains above ground surface. Internal depth of tower column was 6-7'. The particular tower wasn't encased in a concrete pad. The void of the column as well as the above ground tower remains will be filled and covered.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number

**BEESC Project No. 25037**

UPC/Project Title and Location of Work

**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number

**N. E. Cape 034**

Date or Time Period

**Thursday July 28, 2005**

Client

**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low cloud cover, calm winds.

PM: High overcast, calm winds

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐

No ☒

N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐

No ☐

N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐

No ☐

N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐

No ☐

N/A ☒

Have samples been properly labeled and packaged?

Yes ☐

No ☐

N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐

No ☐

N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐

No ☐

N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Removed Tram Tower #2.</li><li>3. Continued loading scrap steel into connexes.</li><li>4. Continued plasma cutting scrap steel.</li><li>5. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Thursday	Hours	Off Island
<b>BEESC</b>		<b>7-28-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								0	6
Ford Lube/Fuel Tk	50-201	11		11	1				26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9						1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10						64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10						29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10	5					2	29
Marooka MST 2200 Flatbed w/reel	50-352		11	9.5					28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415			8						

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								9	21
Cat 980C loader w/bucket & forks	50-501	7	2		6				49	87
Cat 988B loader w/bucket & forks	50-505	1	11		3				54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				2				15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100				5				0	7
Cat D8K Winch Cat	51-101	5							0	11
Hitachi EX300LC Excavator	51-200				10				19.5	21.5
Hitachi EX120 Excavator	51-204	10		10					84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	23	24
Activity: CL000804, Scrap Metal Removal		118.04 tons	47.22%
Activity: CL000601, Demolition of Tower #1	0%	50%	50%
Activity: CL000602, Demolition of Tower #2			50%
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1			50%
Activity: CL000609, Tram Support Tower #2			50%
Activity: CL000617, Tram Support Tower #10			50%
Activity: CL000702, Clean up of Debris Field #2	0%	5%	5%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- None

Comments:

- None

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

7/29/05  
Date

Roller Foebel  
Site Superintendent Signature

7-29-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Late evening light precipitation once again helps to keep the travel corridor dust down for the next day. The 0700 hours Safety Tailgate was held under high overcast skies with light breezes. Fog not as thick as yesterday and lifts through the morning but typically continues to cling to the mtn.

Through the first half of the day, crew is applied to the mountain and by 1430 hours, the second Tram Tower is removed from the slope to the mtn base staging area; remainder of the day is applied to steel debris cutting and connex packaging. The tram demo' followed the plan and the tower was dropped and dragged away as intended. Crew maintained safe working practices as requested by the Site Supt & SSHO.

Today's was a nice effort which shall serve as good practice for the remaining towers. The remaining Tram and the affiliated support towers shall certainly be more challenging due to their locations. Note that the demo' of both Tram Towers No. 1 & 2 are currently estimated as 50% accomplished for billing tracking ( These towers are currently positioned at the mtn base staging area. Like the collected Ops Area debris, same will be considered 95% completed when they are cut-up and packaged into connexes, readied for off-island transport. When that off-island transport delivery occurs, the remainder 5% shall be billed for. )

The planned visit by island regional resident members of Gambell and Savoonga was once again cancelled today due to inclement weather on the West side of this island. It is reported that the island rep's may not be available for another attempt at a NE Cape visit/ tour, for another week – possibly next Thursday. QA photos obtained.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Miller* *ALF/QAR* *30 JULY*  
*2015*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 1 1/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 1 1/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 07/28/2005

**Safety Meeting:** 7:00 AM

**Topics:**     Slips, trips and falls associated with steep slopes, unstable rock talus surface  
                 Level D PPE  
                 Heavy equipment operation on steep side hills and when filling upright  
                 connexes  
                 Upper Mountain roadway conditions---use caution especially be on the  
                 lookout for rocks on roadway and landslides  
                 Puncture hazards (nails, rebar, embedded jagged metal)  
                 Review of AHA #1 with crew  
                 General site safety rules reviewed

**Clin No:** CL000602-6

**Task to be accomplished:** Removal and staging of tram tower #2

**Observations/Comments:** Departed the lower tram area on foot for tower #2. Upon arrival the foreman briefed support personnel on the work to be accomplished and the sequence of events to be followed. Overhead cables, lines of pull and fall directions were discussed prior to any cutting operations. Tower stanchions were scored where contact was made with the concrete pads. Cables used to support the tower were attached to the bull dozer. A tow outside of the fall radius was established. With all personnel clear of the area the tow commenced. Once tension was applied to the tow line the tower fell. The laborers removed/cleared the (4) tower support cables and the tow continued towards the lower tram area. PPE for the specific task to be accomplished was followed by all assigned. Tower #2 is currently staged in the lower tram area awaiting disassembly and containerization for off island transport.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 035**

Date or Time Period  
**Friday July 29, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Partly cloudy, sun breaks, calm to light winds (<10 MPH). PM: Partly cloudy, sun breaks, light winds (+/- 10 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed removal of Tram Tower #1 and Tram Tower #2.</li><li>3. Moved filled connexes to Cargo Beach loading area.</li><li>4. Continued loading scrap steel into connexes.</li><li>5. Continued plasma cutting scrap steel.</li><li>6. Continued clean up of Debris Field #2 on the Upper Mountain.</li><li>7. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Friday	Hours	Off Island
<b>BEESC</b>		<b>7-29-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	



Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								9	21
Cat 980C loader w/bucket & forks	50-501	7	2		6	11			49	87
Cat 988B loader w/bucket & forks	50-505	1	11		3	3			54	72
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5	5			15.5	31.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100				5				0	7
Cat D8K Winch Cat	51-101	5							0	11
Hitachi EX300LC Excavator	51-200				10	10			19.5	21.5
Hitachi EX120 Excavator	51-204	10		10		4			84.5	140

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	24	25
Activity: CL000804, Scrap Metal Removal		118.04 tons	47.22%
Activity: CL000601, Demolition of Tower #1	45%	50%	95%
Activity: CL000602, Demolition of Tower #2	45%	50%	95%
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1	0%	50%	50%
Activity: CL000609, Tram Support Tower #2	0%	50%	50%
Activity: CL000617, Tram Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #2	5%	5%	10%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activities CL000601 and CL000602.

Comments:

- None

## COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602.	7/29/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seay  
CQCSM Signature

7/30/05  
Date

Ralph E. Doherty  
Site Superintendent Signature

7-30-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns covered at the 0700 hours morning Safety Tailgate Mtg. High overcast conditions with light winds and moderate temp's provided good working weather conditions, all day. As reported, crews applied to the Upper mtn in debris clean-up with Marookas; Lower mtn in Tram Towers 1 & 2 cutting and connex installment for weighing and transport prep'; Gathering of wood debris for Fire pit staging; and steel debris cutting prep' for transport. The demo' & packaging of Tram Towers No's 1 & 2 (CLIN's 601 & 602 ) completed to 95% today.

It should be noted that the State DOT rep' for the Office of Weights & Measures, who has the responsibility of calibrating the truck scale in confirmation, is not yet available. Until an officer can arrive however, the Contractor has isolated known small and large weights in calibration for the QAR, and it would appear the scale is working accurately within 20 lbs.

As reported, Lots of QA photos of yesterday's 2'nd Tram Tower takedown transferred to the PDT today. More QA photos obtained today. Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

*SA Miller* *ACE/QAR* *31-JULY*  
*'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								0	6
Ford Lube/Fuel Tk	50-201	11		11	1	1			26.5	73.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9						1	1
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10			3			64.5	78.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10						29	45
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10	5					2	29
Marooka MST 2200 Flatbed w/reel	50-352		11	9.5	4				28	60
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415			8						

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)



**Date:** 07/29/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable rock talus surface  
Level D PPE  
Heavy equipment operation associated with loading and unloading connexes  
Pinch points on track hoes  
Physical handling of debris  
General site safety rules reviewed

**Clin No:** 000601/000602

**Task to be accomplished:** The cutting and stowing of towers #1/2.

**Observations/Comments:** Towers 1 and 2 arrived at the lower tram staging area on 07252005 and 07282005 respectively. The excavator with the hydraulic shear attachment removed sections of the tower for placement in the cargo container. The container was positioned in a vertical attitude to facilitate loading. Upon completion of loading process an operator working aloft secured the cargo container door. Overhead work was completed utilizing a forklift to maintain station and safety harness for fall protection. PPE level D was appropriate and maintained by all assigned. The container was transported to the beach waiting off island transport to metals recycle facility.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 036**

Date or Time Period  
**Saturday July 30, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Dense fog, calm winds.

PM: High overcast, sun breaks, light to moderate winds (10-20 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: Yes.

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

---

**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Cut leg supports on Tram Towers #3, #4, #5 and #6 in preparation for felling towers.</li><li>3. Moved filled connexes to Cargo Beach loading area.</li><li>4. Continued loading scrap steel into connexes.</li><li>5. Continued plasma cutting scrap steel.</li><li>6. Recalibrated weigh scale.</li><li>7. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Saturday	Hours	Off Island
<b>BEESC</b>		<b>7-30-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	11		11	1	1		24	73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9					9	1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10			3	5	18	78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10				5	20	45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10	5				19	29	48
Marooka MST 2200 Flatbed w/reel	50-352		11	9.5	4			24.5	60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415			8				8	0	8

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501	7	2		6	11	8.5	34.5	87	121.5
Cat 988B loader w/bucket & forks	50-505	1	11		3	3	8	26	72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5	5		10	31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100				5			5	7	12
Cat D8K Winch Cat	51-101	5					4	9	11	20
Hitachi EX300LC Excavator	51-200				10	10		20	21.5	41.5
Hitachi EX120 Excavator	51-204	10		10		4		24	140	164

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	26	27
Activity: CL000804, Scrap Metal Removal	14.095	118.04 tons	52.85% (132.135)
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1	0%	50%	50%
Activity: CL000609, Tram Support Tower #2	0%	50%	50%
Activity: CL000617, Tram Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #2	0%	10%	10%
Activity: CL000603, Tram Tower #3			25%
Activity: CL000603, Tram Tower #4			25%
Activity: CL000603, Tram Tower #5			25%
Activity: CL000603, Tram Tower #6			25%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Received partial analytical (PCB) results of soil from Sites 31 (Bldg 1001 MEC), 14 (Bldg 98), and 7 (Landfill), asbestos results from a steam boiler found in at AFS Ops Area, and partial analytical results (PCB) of excavated soil for off site disposal.

Summary of Materials Removed as of July 29, 2005:

### CLINs 14 and 15 (Soil Removal)

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
<b>Total</b>	<b>188.67</b>	

**CLINs 10 and 16 (Concrete Removal)**

Date Weighed	Tonnage	Location
July 8	62.595	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
<b>Total</b>	<b>155.045</b>	

**CLIN 8**

Date Weighed	Tonnage	CLIN Activity
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
July 25	57.262	804
July 29	14.095	804
<b>Sub Total</b>	<b>132.122</b>	<b>Scrap Metal AFS Ops Area</b>
July 14	27.76	806
<b>Sub Total</b>	<b>27.76</b>	<b>Cummins Engines</b>
<b>Total CLIN Tonnage</b>	<b>159.882</b>	

**CLIN 9**

Date Weighed	Tonnage	CLIN Activity
7/21	12.64	911 & 913
<b>Sub Total</b>	<b>12.64</b>	<b>Armored Cable AFS Ops Area</b>
7/29	5.113	909
<b>Sub Total</b>	<b>5.113</b>	<b>Debris from Landfill face AFS Ops Area</b>
<b>Total CLIN Tonnage</b>	<b>17.753</b>	

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Comments:

- None
-



COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Siefert  
CQCSM Signature

8/1/05  
Date

Rollie Zuehl  
Site Superintendent Signature

8-1-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours morning Safety Tailgate Mtg was held beneath overcast skies that persisted through most of the day. Mountain slope awareness concerns iterated. A heavy morning fog lifted from most of the lower bowl about mid-day, but on mtn-top, the moderate breezes cleared the fog away earlier.

It should be noted; When the tramline and bowl is viewed from varying vicinity points such as the airstrip or the mtn-slope opposite the tramline slope, it becomes apparent fog tends to oscillate in location and thickness apparently dependent upon ambient overhead clouds, humidity, offshore winds, and inversion factors.

The Tram towers are numbered 1 thru 7 commencing at the bottom of the slope. Towers no. 1 & 2 were demo'd and removed from the slope earlier in the week. Access to these 2 lower towers was accommodated by ATV with the metal-cutting saws strapped to the ATV's. As with the two previous towers, gas-powered rotary saws with metal-cutting blades were used to cut through selected cables and frame steel.

Today, the crew was going to work with the good weather in prep'ing the frame foundation bases of the upper tramline in reportedly cutting Tram towers no's. 3 thru 6. A party was directed to slowly walk a specific corridor down the slope, hand carrying the saws, to these mid-slope to upper-slope towers. This was the QAR's first trip to the top-of-the-mtn, which occurred in late afternoon and was accomplished in the QA 4-wheel drive SUV ( Chevrolet Trailblazer ). This is not a full-size SUV so the ground clearance is less than that of a full-size vehicle. This SUV made the trip but the QAR would not try the same ascent on wetted surfaces; nor is the clearance absolute in several sections of the corridor. Where clearance is marginal, the driver must proceed as slowly as possible to inhibit undercarriage damage.

Once atop the upper-slope, QAR assumed a high elevation point to attempt to view the crew situated much further down the slope at Tram tower 3 and/ or 4. Due to the rolling undulation of the terrain from this vantage, although they are faintly heard, the QAR is unable to view the crew when they are applied mid-slope. QAR obtained photos of the top slope staging area and the descending terrain from an old Upper Tram foundation wall. There is no trailer atop the staging area as is required by

contract; it would appear the crew is dependent on their full-size vehicles for water, first aid, and other equipment storage.

Soon after the QAR's arrival to the top slope, fog began to roll in from the South over the mountain. As reported, QAR observed more connexes weighed and transferred to the beach front staging area; more steel scrap cut for handling. Good progress on the slope – if the weather cooperates, the next visit on Monday, 01 August, will involve the felling of some if not all of the Tram towers.

As is evident in this report; in response to the prior QAR request to better monitor potential over - and under -ages in tonnages for estimate adjustments or potential changes, CQC has produced the CLIN's accomplished respective of their tonnages accomplished thus far, in this report. QAR suggests that potential changes, such as the steel poleline discovered near the access road, be likewise posted separately so the PDT can readily perceive all changes discovered as a result of the actual field work in these Dailies.

Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

S.A. Mills ALB/ QAR 01 Aug., '05

QAR Signature

Date

Supervisor's Initials

Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 07/30/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable rock talus surface  
Level D PPE  
Heavy equipment operation  
Importance of good communications---plays a major factor in the safe completion of any task (no other factor more important)  
Weekend break---sharing ATVs, use buddy system when out, and carry radios  
General site safety rules reviewed

**Clin No:** CL000603, 4, 5, 6-6 respectively

**Task to be accomplished:** Preparation for removal (cutting operations) of towers 3, 4, 5 and 6.

**Observations/Comments:** Observe cutting operations at the above stated locations. Access to Towers 3, which was the lowest standing tower of the group, was reach on foot from Tower 7. The crew man carried all required equipment to the work site. Attention to detail, terrain awareness and work rest regiments were briefed prior to the undertaking. The terrain dictated a slow and methodical approach to the lower towers. Work started at Tower 3 and concluded with Tower 6. PPE level D was maintained throughout the evolution. Due to the high degree of exertion, extra water was carried to provide adequate hydration during the operation. The successful completion of this task was based largely on prior planning and the crews understanding of potential hazards associated with the work to be performed.



## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: July 30, 2005

Definable Feature: Site 24 and Site 25 and in the Surrounding Tundra

Government Representative Notified 0 Hours in Advance

**CLLIN Activities:**

CLIN 11--CL0011105 and CL001106

**I. Personnel Present:**

Name	Position	Company/Government
H.Seipt	CQCSM	BEESC

**II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.**

Comments: Revisited above listed sites on July 30 to complete a more detailed inspection of Site 24 and Site 25 and the surrounding tundra for the presence of debris.

**III. Completed Work**

Ensure work is complete and in compliance with contract requirements. If not, what action is taken? Yes. Specified clean up activities were previously completed. The pads and roadway between the sites and surrounding tundra were visually inspected. Debris material was confirmed to have been removed from around the perimeter of the pads at the pads/ponds interfaces at the two sites.

**IV. Resolve any differences.**

Record Drawings Updated: N/A

Date

Corrective Action Log Updated: Several (six to eight) old, approximately 20-foot steel, 2-inch steel, poles were observed at a roadway turnout between Site 24 and Site 25. Removal of the poles will occur prior to final walk-through by BEESC/USACE.

Date

**V. Check Safety.**

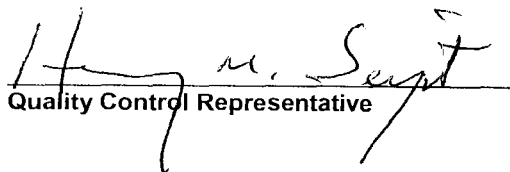
Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

July 30, 2005

Date

Comments: No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative



## Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste C1  
Anchorage, AK 995021117

**Work Order:** 1054652  
**Client:** NE Cape Boiler  
**Report Date:** Bristol Environmental  
July 29, 2005

**Released by:**

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

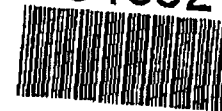
PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the PQL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.

BLESS

Bristol Enviro & Engr  
Services Corp.

1054652



Virginia  
Jersey

040100

[illegible]

SGS

## SAMPLE RECEIPT FORM

SGS WO#:

Yes No NA

Are samples RUSH, priority, or w/n 72 hrs. of hold time?  
 If yes have you done e-mail notification?  
 Are samples within 24 hrs. of hold time or due date?  
 If yes, have you spoken with Supervisor?  
 Archiving bottles- if req., are they properly marked?  
 Are there any problems? PM Notified?  
 Were samples preserved correctly and pH verified?

Due Date: 7-29-05Received Date: 7-27-05Received Time: 1150Is date/time conversion necessary? N# of hours to AK Local Time: 1Thermometer ID: A-15

Cooler ID Temp Blank Cooler Temp

°C °C

°C °C

°C °C

°C °C

°C °C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client

Alert Courier / UPS / FedEx / USPS /

AA Goldstreak / NAC / ERA / PenAir / Carlie

Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (✓if applicable)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required? As best as

Foreign Soil?

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

Yes No

Is received temperature 4 ± 2°C?

Exceptions: Samples/Analyses Affected:

Rad Screen performed? Result:

Was there an airbill? (None above in the right hand column)

Was cooler sealed with custody seals?

# / where:

Were seal(s) intact upon arrival?

Was there a COC with cooler?

Was COC sealed in plastic bag &amp; taped inside lid of cooler?

Was the COC filled out properly?

Did the COC indicate COE / AFCEE / Navy project?

Did the COC and samples correspond?

Were all sample packed to prevent breakage?

Packing material:

Were all samples unbroken and clearly labeled?

Were all samples sealed in separate plastic bags?

Were all VOCs free of headspace and/or MeOH preserved?

Were correct container / sample sizes submitted?

Is sample condition good?

Was copy of CoC, SRF, and custody seals given to PM to fax?

Notes:

Completed by (sign):

(print):

Login proof (check one): waived required performed by:

**SGS**

**SAMPLE RECEIPT FORM (page 2)**

SGS WO#:

1054652

[illegible]

Bottle Totals								5
---------------	--	--	--	--	--	--	--	---

Completed by:

**—Date:**

7-27-05



**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

Locations Nationwide  
• Alaska • West Virginia  
• Maryland • New Jersey  
• Hawaii

www.us.sgs.com

038267

<b>1</b> CLIENT: <u>SGS-AK</u>					SGS Reference: <u>White</u>										PAGE <u>1</u> OF <u>1</u>						
CONTACT: <u>Forest Taylor</u> PHONE NO.: <u>(907) 562-2343</u>					<b>CONTAINERS</b>	Preservatives Used <u>NONE</u>															
PROJECT: <u>Bristol Environmental</u> SITE/PWSID#: <u>Boiler</u>						Analysis Required															
REPORTS TO: <u>Engineering Services</u>						G= COMP															
FAX NO.: <u>(907) 561-5301</u>						G= GRAB															
INVOICE TO:					QUOTE #					P.O. NUMBER <u>1054652</u>											
<b>2</b>																					
LAB NO.	SAMPLE IDENTIFICATION				DATE	TIME	MATRIX									REMARKS					
	05 NECAFM 101				7/23/05	1345	Solid									1054652001					
	05 NECAFM 102					1346										1054652002					
	05 NECAFM 103					1347										1054652003					
	05 NECAFM 104					1348										1054652004					
	05 NECAFM 105					1349										1054652005					
<b>3</b>																					
<b>4</b>																					
Collected/Relinquished By: (1) <u>[Signature]</u>					Date	Time	Received By: <u>[Signature]</u>	Shipping Carrier:					Samples Received Cold? (Circle) YES NO								
Relinquished By: (2) <u>[Signature]</u>					Date	Time	Received By:	Shipping Ticket No:					Temperature °C: _____								
Relinquished By: (3)					Date	Time	Received By:	Special Deliverable Requirements:					Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT								
Relinquished By: (4)					Date	Time	Received By:	Requested Turnaround Time and Special Instructions: <u>Results due Friday AM 7/29/05</u> <u>Thanks!</u>													

**Bulk Sample Analysis for Asbestos**

WEC Project #: 05G-359

Client Project#: 1054652

Report #: 27950

Report By: C.Corpuz

Report Date: 7/29/2005

Client: SGS Environmental  
200 W. Potter Dr.  
Anchorage, AK 99518Collection Date: 7/23/2005  
Collection By: CLIENT  
TAT: 3 Business Days  
Analysis By: B.Carroll  
Analysis Date: 7/29/2005  
Received By: Carroll  
Received Date: 7/27/2005

# Samples: 5

# Layers: 5

Project Name/Location: Bristol Environmental Boiler

Client ID#	WEC ID#	Location	Material	Layer
05NECAFM101	AB05-4079	1054652001	Thermal Sys. Ins.	1 of 1

**ASBESTOS**

% Asbestos: 13%

Chrysotile	5%
Amosite	8%

Homo-  
genous  
NoColor  
Grey

Other Fibrous Materials

% Non-Fibrous Materials: 87%

None Detected

Client ID#	WEC ID#	Location	Material	Layer
05NECAFM102	AB05-4080	1054652002	Thermal Sys. Ins.	1 of 1

**ASBESTOS**

% Asbestos: 13%

Chrysotile	5%
Amosite	8%

Homo-  
genous  
NoColor  
Off-White

Other Fibrous Materials

% Non-Fibrous Materials: 87%

None Detected

Client ID#	WEC ID#	Location	Material	Layer
05NECAFM103	AB05-4081	1054652003	Gasket	1 of 1

**ASBESTOS**

% Asbestos: 70%

Chrysotile	70%
------------	-----

Homo-  
genous  
NoColor  
Off-White

Other Fibrous Materials

% Non-Fibrous Materials: 30%

None Detected

Client ID#	WEC ID#	Location	Material	Layer
05NECAFM104	AB05-4082	1054652004	Gasket	1 of 1

**ASBESTOS**

% Asbestos: 40%

Chrysotile	40%
------------	-----

Homo-  
genous  
NoColor  
Brown

Other Fibrous Materials

% Non-Fibrous Materials: 60%

None Detected

**Bulk Sample Analysis for Asbestos**

WEC Project #: 05G-359

Client Project#: 1054652

Report #: 27950

Report By: C.Corpuz

Report Date: 7/29/2005

Client ID#	WEC ID#	Location	Material	Layer
05NECAF105	AB05-4083	1054652005	Gasket	1 of 1
<b>ASBESTOS</b>			% Asbestos: 45%	
Chrysotile 45%			Homo- genous No	Color Brown
Other Fibrous Materials			% Non-Fibrous Materials: 55%	

None Detected

Analyst

QC

Date

Date

Analysis performed by EPA Method 800/R-93/116. All quantiles reported are based on visual estimation by PLM, unless point-counting method is requested and noted for the sample. Test report relates only to items tested and must not be used by client to claim product endorsement by NVLAP or any agency of the U.S. Government. Test reports must not be reproduced without the approval of WEC Inc., and are subject to WEC Inc. General Terms and Conditions (see reverse).





## Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste C1  
Anchorage, AK 995021117

**Work Order:** 1054603  
25037 NE Cape 04 036  
**Client:** Bristol Environmental  
**Report Date:** July 29, 2005

**Released by:**  
**Steven R.  
Crupi**

Digitally signed by Steven R. Crupi  
DN: CN = Steven R. Crupi, C = US,  
O = SGS Environmental Services,  
OU = Project Manager  
Reason: I am approving this  
document  
Date: 2005.07.29 14:38:44 -0800

Enclosed are the analytical results associated with the above workorder.

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LT	Less Than
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M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.



SGS Ref.# 1054603001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste7  
Matrix Soil/Solid  
Location/Well ID Waste7

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 14:20  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	5250	637	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surrogate>	76.8		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	78.4		%	SM20 2540G	A			07/26/05	JC



SGS Ref.# 1054603002  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste110  
Matrix Soil/Solid  
Location/Well ID Waste110

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 17:50  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	2020	536	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	80.3		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	92.9		%	SM20 2540G	A			07/26/05	JC



SGS Ref.# 1054603003  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste98  
Matrix Soil/Solid  
Location/Well ID Waste98

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 13:30  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	11900	561	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	84.3		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.7		%	SM20 2540G	A			07/26/05	JC

## CHAIN OF CUSTODY RECORD

**COC# NEC-06**

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

**Quote No.: 6970**

**Contact: Michelle Turner**

Phone No: 907-563-0013

Project: 25037 NE Cape

**Reports To:**

**Michelle Turner**

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

1054603



Collected/Relinquished By: (1) <i>[Signature]</i>	Date 7/6/05	Time 1650	Received By: <i>[Signature]</i>	Shipping Carrier:	Temperature C: 16.6°C
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	
Collected/Relinquished By: (3) <i>[Signature]</i>	Date 7/25/05	Time 1257	Received By: <i>[Signature]</i>	Data Deliverables:  USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle)  INTACT <input checked="" type="radio"/> BROKEN <input type="radio"/> ABSENT <input type="radio"/>
Collected/Relinquished By: (4) <i>[Signature]</i>	Date 7/25/05	Time 1420	Received For Laboratory By: <i>[Signature]</i>	Requested Turnaround Time and Special Instructions:  NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

SGS

**RUSH**

## SAMPLE RECEIPT FORM

SGS WO#:

1054603



Yes No NA

- ☒ Are samples RUSH, priority, or w/n 72 hrs. of hold time?  
☒ If yes have you done e-mail notification?  
☒ Are samples within 24 hrs. of hold time or due date?  
☒ If yes, have you spoken with Supervisor?  
☒ Archiving bottles- if req., are they properly marked?  
☒ Are there any problems? PM Notified?  
☒ Were samples preserved correctly and pH verified?

- ☒ If this is for PWS, provide PWSID.  
☒ Will courier charges apply?  
☒ Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes: COELT  
☒ Is this a DoD project? (USACE / Navy, AFCEE)

Due Date: 7/28/05Received Date: 7/25/05Received Time: 1720Is date/time conversion necessary? no# of hours to AK Local Time: -Thermometer ID: TD

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>6.6</u> °C	<u>9.6</u> °C
	°C	°C
	°C	°C
	°C	°C
	°C	°C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client /

Alert Courier / UPS / FedEx / USPS /

AA Goldstreak / NAC / ERA / PenAir / Carlie

Lynden / SGS / Other: Airbill # Additional Sample Remarks: (if applicable)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required?

Foreign Soil?

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

Yes No

☒ Is received temperature 4 ± 2°C?

Exceptions:

Samples/Analyses Affected:

1-3A☒ Rad Screen performed? Result:N/A Was there an airbill?

(Note it above in the right hand column)

☒ Was cooler sealed with custody seals?

# / where:

☒ Were seal(s) intact upon arrival?☒ Was there a COC with cooler?☒ Was COC sealed in plastic bag & taped inside lid of cooler?☒ Was the COC filled out properly?☒ Did the COC indicate COE / AFCEE / Navy project?☒ Did the COC and samples correspond?☒ Were all sample packed to prevent breakage?

Packing material:

☒ Were all samples unbroken and clearly labeled?☒ Were all samples sealed in separate plastic bags?☒ Were all VOCs free of headspace and/or MeOH preserved?☒ Were correct container / sample sizes submitted?☒ Is sample condition good?☒ Was copy of CoC, SRF, and custody seals given to PM to fax?**This section must be filled if problems are found.**

Yes No

Was client notified of problems?

Individual contacted:

Via: Phone / Fax / Email (circle one)

Date/Time:

Reason for contact:

Change Order Required?

SGS Contact:

Notes:

\* Samples received out of temp limitsCompleted by (sign): Brenda J Sheets (print): Brenda J SheetsLogin proof (check one): waived  required  performed by:

**SGS****SAMPLE RECEIPT FORM (page 2)**

SGS WO;

105466

[illegible]

Bottle Totals						3	
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Completed by: Brenda Sheets Date: 7/25/05



## Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste C1  
Anchorage, AK 995021117

**Work Order:** 1054532  
25037 NE Cape 04 036  
**Client:** Bristol Environmental  
**Report Date:** July 28, 2005

**Released by:**

**Steven  
R. Crupi**

Digitally signed by Steven R.  
Crupi  
DN: CN = Steven R. Crupi, C =  
US, O = SGS Environmental  
Services, OU = Project Manager  
Reason: I am approving this  
document  
Date: 2005.07.28 17:24:54 -0800

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the PQL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.

**- PRELIMINARY -**





SGS Ref.# 1054532001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL001  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL001

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 10:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	5130	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	72.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.4		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532002  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL008  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL008

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 11:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	6950	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	68.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	83.4		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532003  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL013  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL013

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/21/2005 12:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	7090	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	77		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	78.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532004  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL015  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL015

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 11:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	8330	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	82.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.4		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532005  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL016  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL016

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 11:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

8082 - Surrogate is outside of controls due to sample dilution.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b>Polychlorinated Biphenyls</b>									
Aroclor-1016	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	17700	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	0	!	%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b>Solids</b>									
Total Solids	89.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532006  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL062  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL062

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 17:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

8082 - Surrogate is outside of controls due to sample dilution.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	37100	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	0	!	%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	91.9		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532007  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL064  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL064

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 17:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	1410	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	93.4		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.5		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532008  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL003  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL003

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 10:58  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	286	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <sur>	84.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.3		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -





SGS Ref.# 1054532009  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL032  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL032

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 14:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	173	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	83.5		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532010  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL038  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL038

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 14:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	99.1	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	87.1		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	90.7		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532011  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL042  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL042

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 15:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	53.6 J	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	89.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	91.6		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532012  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL053  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL053

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/18/2005 16:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	152	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	72.8		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532013  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL081  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL081

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 7:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	73.8		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532014  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL082  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL082

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.6		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532015  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL083  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL083

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532016  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL085  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL085

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	228	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -





SGS Ref.# 1054532017  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL086  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL086

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	82.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.0		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532018  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL087  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL087

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	59.1	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	76.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532019  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL088  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL088

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:20  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	263	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	79.6		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.3		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532020  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL089  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL089

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	173	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	72.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.5		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532021  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL090  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL090

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:30  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	54.8	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	90.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532022  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL091  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL091

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:35  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	44.5 J	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	96.4		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.0		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532023  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL092  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL092

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	58.4	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <sur>	90.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.0		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532024  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL093  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL093

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 8:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	89.1		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -





SGS Ref.# 1054532025  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL094  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL094

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	115	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	91.5		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532026  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL095  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL095

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	116	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	89.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532027  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL097  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL097

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	96.8	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	95.8		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532028  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL098  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL098

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	149	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	94.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.0		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532029  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL099  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL099

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:20  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	114	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surrogate>	94		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.9		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532030  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL100  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL100

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	101	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	97.7		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532031  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL101  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL101

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:30  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	606	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	95.2		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.0		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532032  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL102  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL102

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:35  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	432	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	94.1		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -





SGS Ref.# 1054532033  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL103  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL103

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	165	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	98.5		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.9		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532034  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL104  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL104

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	56.8	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <sur>	91.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532035  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL105  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL105

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	53.9	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	90.6		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.9		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532036  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL106  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL106

All Dates/Times are Alaska Standard Time

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b>Polychlorinated Biphenyls</b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	353	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.1		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b>Solids</b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532037  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL107  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL107

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 11:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	520	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	96.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.5		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532038  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL109  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL109

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 12:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	1440	255	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	94.8		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.4		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532039  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL110  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL110

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 12:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	324	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	91.9		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.2		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



SGS Ref.# 1054532040  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL111  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL111

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 12:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	169	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surrogate>	94.5		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.3		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -





SGS Ref.# 1054532041  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL112  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL112

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/28/2005 17:13  
Collected Date/Time 07/19/2005 12:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	83.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.6		%	SM20 2540G	A			07/25/05	HM

- PRELIMINARY -



# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-02

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:  
Michelle Turner  
BEESC  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

No. JARS

Sample Type

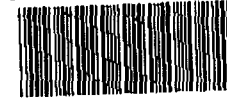
C=  
COMP  
D=  
discrete

PCB 8082

72-hour  
TAT

Composite sample name

1054532



LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
① A	05NEC07SL032	7/18/05	1425	SL	1	D	X	X	--	
②	05NEC07SL038	7/18/05	1445	SL	1	D	X	X	--	
③	05NEC07SL042	7/18/05	1505	SL	1	D	X	X	--	
④	05NEC07SL053	7/18/05	1600	SL	1	D	X	X	--	
⑤	05NEC31SL081	7/19/05	0755	SL	1	D	X	X	--	
⑥	05NEC07SL082	7/19/05	0800	SL	1	D	X	X	--	
⑦	05NEC07SL083	7/19/05	0800	SL	1	D	X	X	--	
⑧	05NEC07SL085	7/19/05	0805	SL	1	D	X	X	--	
⑨	05NEC07SL086	7/19/05	0810	SL	1	D	X	X	--	
⑩	05NEC07SL087	7/19/05	0815	SL	1	D	X	X	--	
⑪	05NEC07SL088	7/19/05	0820	SL	1	D	X	X	--	

**RUSH**

Collected/Relinquished By: (1)

Date

Time

Received By:

Shipping Carrier:

Temperature C:

Collected/Relinquished By: (2)

Date

Time

Received By:

Shipping Ticket No:

Data Deliverables:

Chain of Custody Seal:  
(Circle)

USACE data deliverables requested; SEDD and COELT EDDs requested

INTACT - BROKEN  
ABSENT

Collected/Relinquished By: (3)

Date

Time

Received By:

Requested Turnaround Time and Special Instructions:

Collected/Relinquished By: (4)

Date

Time

Received For Laboratory By:

Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"

NOA Michelle Turner - BEESC  
907-563-0013 (mtturner@beesc.com)  
Cooler receipt & temp

## CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-03

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

No. JARS

Sample  
TypeC=  
COMP  
D=  
discrete

PCB 8082

72-hour  
TAT

Composite sample name

1054532



LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX						Remarks
20 A	05NEC07SL089	7/19/05	0825	SL	1	D	X	X	--	
21	05NEC07SL090	7/19/05	0830	SL	1	D	X	X	--	
22	05NEC07SL091	7/19/05	0835	SL	1	D	X	X	--	
23	05NEC07SL092	7/19/05	0840	SL	1	D	X	X	--	
24	05NEC07SL093	7/19/05	0845	SL	1	D	X	X	--	
25	05NEC07SL094	7/19/05	1105	SL	1	D	X	X	--	
26	05NEC07SL095	7/19/05	1105	SL	1	D	X	X	--	
27	05NEC07SL097	7/19/05	1110	SL	1	D	X	X	--	
28	05NEC07SL098	7/19/05	1115	SL	1	D	X	X	--	
29	05NEC07SL099	7/19/05	1120	SL	1	D	X	X	--	
30	05NEC07SL100	7/19/05	1125	SL	1	D	X	X	--	
31	05NEC07SL101	7/19/05	1130	SL	1	D	X	X	--	

RUSH

Collected/Relinquished By: (1)

Date

Time

Received By:

Shipping Carrier:

Temperature C:

Collected/Relinquished By: (2)

Date

Time

Received By:

Shipping Ticket No:

Data Deliverables:

Chain of Custody Seal:  
(Circle)

USACE data deliverables requested; SEDD and COELT EDDs requested

INTACT BROKEN  
ABSENT

Collected/Relinquished By: (3)

Date

Time

Received By:

Requested Turnaround Time and Special Instructions:

Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"

Collected/Relinquished By: (4)

Date

Time

Received For Laboratory By:

NOA Michelle Turner - BEESC  
907-563-0013 (mtturner@beesc.com)  
Cooler receipt & temp

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-04

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:

Michelle Turner  
BEESC

2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

No. JARS

Sample Type

C= COMP  
D= discrete

PCB 8082

72-hour TAT

Composite sample name

1054532



Remarks

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
(32) A	05NEC07SL102	7/19/05	1135	SL	1	D	X	X	--	
(33)	05NEC07SL103	7/19/05	1140	SL	1	D	X	X	--	
(34)	05NEC07SL104	7/19/05	1145	SL	1	D	X	X	--	
(35)	05NEC07SL105	7/19/05	1150	SL	1	D	X	X	--	
(36)	05NEC07SL106	7/19/05	1155	SL	1	D	X	X	--	
(37)	05NEC07SL107	7/19/05	1155	SL	1	D	X	X	--	
(38)	05NEC07SL109	7/19/05	1200	SL	1	D	X	X	--	
(39)	05NEC07SL110	7/19/05	1205	SL	1	D	X	X	--	
(40)	05NEC07SL111	7/19/05	1210	SL	1	D	X	X	--	
(41)	05NEC07SL112	7/19/05	1215	SL	1	D	X	X	--	

RUSH

Collected/Relinquished By: (1) <i>Larry W. [Signature]</i>	Date 7/25/05	Time 1140	Received By: <i>[Signature]</i>	Shipping Carrier:	Temperature C:
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	
Collected/Relinquished By: (3)	Date	Time	Received By:	Data Deliverables: USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle) INTACT    BROKEN ABSENT
Collected/Relinquished By: (4) <i>[Signature]</i>	Date 7/25/05	Time 1140	Received For Laboratory By: <i>[Signature]</i>	Requested Turnaround Time and Special Instructions:  Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"  NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

SGS

## SAMPLE RECEIPT FORM

SGS WO#:

1054532



Yes No NA

- ☒ Are samples **RUSH** priority, or w/in 72 hrs. of hold time?  
☒ If yes have you done e-mail notification?  
☒ Are samples within 24 hrs. of hold time or due date?  
☒ If yes, have you spoken with Supervisor?  
☒ Archiving bottles- if req., are they properly marked?  
☒ Are there any problems? PM Notified?  
☒ Were samples preserved correctly and pH verified?

- ☒ If this is for PWS, provide **PWSID**.  
☒ Will courier charges apply?  
☒ Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes:  
☒ Is this a DoD project? (USACE, Navy, AFCEE) **SEDS COELT**

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

- Yes No  
☒ Is received temperature  $4 \pm 2^\circ\text{C}$ ?  
 Exceptions: **C = 8.0** Samples/Analyses Affected:  
☒ Rad Screen performed? Result:  
☒ Was there an airbill? (Note # above in the right hand column)  
☒ Was cooler sealed with custody seals?  
 # / where:  
☒ Were seal(s) intact upon arrival?  
☒ Was there a COC with cooler?  
☒ Was COC sealed in plastic bag & taped inside lid of cooler?  
☒ Was the COC filled out properly?  
☒ Did the COC indicate COE / AFCEE / Navy project?  
☒ Did the COC and samples correspond?  
☒ Were all sample packed to prevent breakage?  
 Packing material: **BSW**  
☒ Were all samples unbroken and clearly labeled?  
☒ Were all samples sealed in separate plastic bags?  
☒ Were all VOCs free of headspace and/or MeOH preserved?  
☒ Were correct container / sample sizes submitted?  
☒ Is sample condition good?  
☒ Was copy of CoC, SRF, and custody seals given to PM to fax?

Notes:

Due Date: **7-28-05**Received Date: **7-25-05**Received Time: **1140**Is date/time conversion necessary? **N**

# of hours to AK Local Time:

Thermometer ID: **SD**

Cooler ID	Temp Blank	Cooler Temp
<b>1</b>	<b>5-3</b> °C	<b>8.0</b> °C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): **Client**

Alert Courier / UPS / FedEx / USPS /

AA Goldstreak / NAC / ERA / PenAir / Carile

Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (✓if applicable)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required?

Foreign Soil?

**This section must be filled if problems are found.**
 Yes No  
☐ Was client notified of problems?
 

Individual contacted:

Via: Phone / Fax / Email (circle one)

Date/Time:

Reason for contact:

Change Order Required?

SGS Contact:

Completed by (sign):

(print):

Login proof (check one):

waived

required

performed by:

**SGS****SAMPLE RECEIPT FORM (page 2)**

SGS WO#:

1054532

[illegible]

Bottle Totals						41	
---------------	--	--	--	--	--	----	--

Completed by:

Date: 7-25-05

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

**COC# NEC-02 Corrected**

**Quote No.: 6970**

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

No. JARS

Sample  
Type

C=  
COMP  
D=  
discrete

PCB 8082

72-hour  
TAT

Composite sample name

Remarks

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC07SL032	7/18/05	1425	SL	1	D	X	X	--	
	05NEC07SL038	7/18/05	1445	SL	1	D	X	X	--	
	05NEC07SL042	7/18/05	1505	SL	1	D	X	X	--	
	05NEC07SL053	7/18/05	1600	SL	1	D	X	X	--	
	05NEC31SL081	7/19/05	0755	SL	1	D	X	X	--	
	05NEC31SL082	7/19/05	0800	SL	1	D	X	X	--	
	05NEC31SL083	7/19/05	0800	SL	1	D	X	X	--	
	05NEC31SL085	7/19/05	0805	SL	1	D	X	X	--	
	05NEC31SL086	7/19/05	0810	SL	1	D	X	X	--	
	05NEC31SL087	7/19/05	0815	SL	1	D	X	X	--	
	05NEC31SL088	7/19/05	0820	SL	1	D	X	X	--	
									--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	



# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-03 Corrected

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC31SL089	7/19/05	0825	SL	1	D	X	X	--	
	05NEC31SL090	7/19/05	0830	SL	1	D	X	X	--	
	05NEC31SL091	7/19/05	0835	SL	1	D	X	X	--	
	05NEC31SL092	7/19/05	0840	SL	1	D	X	X	--	
	05NEC31SL093	7/19/05	0845	SL	1	D	X	X	--	
	05NEC31SL094	7/19/05	1105	SL	1	D	X	X	--	
	05NEC31SL095	7/19/05	1105	SL	1	D	X	X	--	
	05NEC31SL097	7/19/05	1110	SL	1	D	X	X	--	
	05NEC31SL098	7/19/05	1115	SL	1	D	X	X	--	
	05NEC31SL099	7/19/05	1120	SL	1	D	X	X	--	
	05NEC31SL100	7/19/05	1125	SL	1	D	X	X	--	
	05NEC31SL101	7/19/05	1130	SL	1	D	X	X	--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-04 Corrected

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

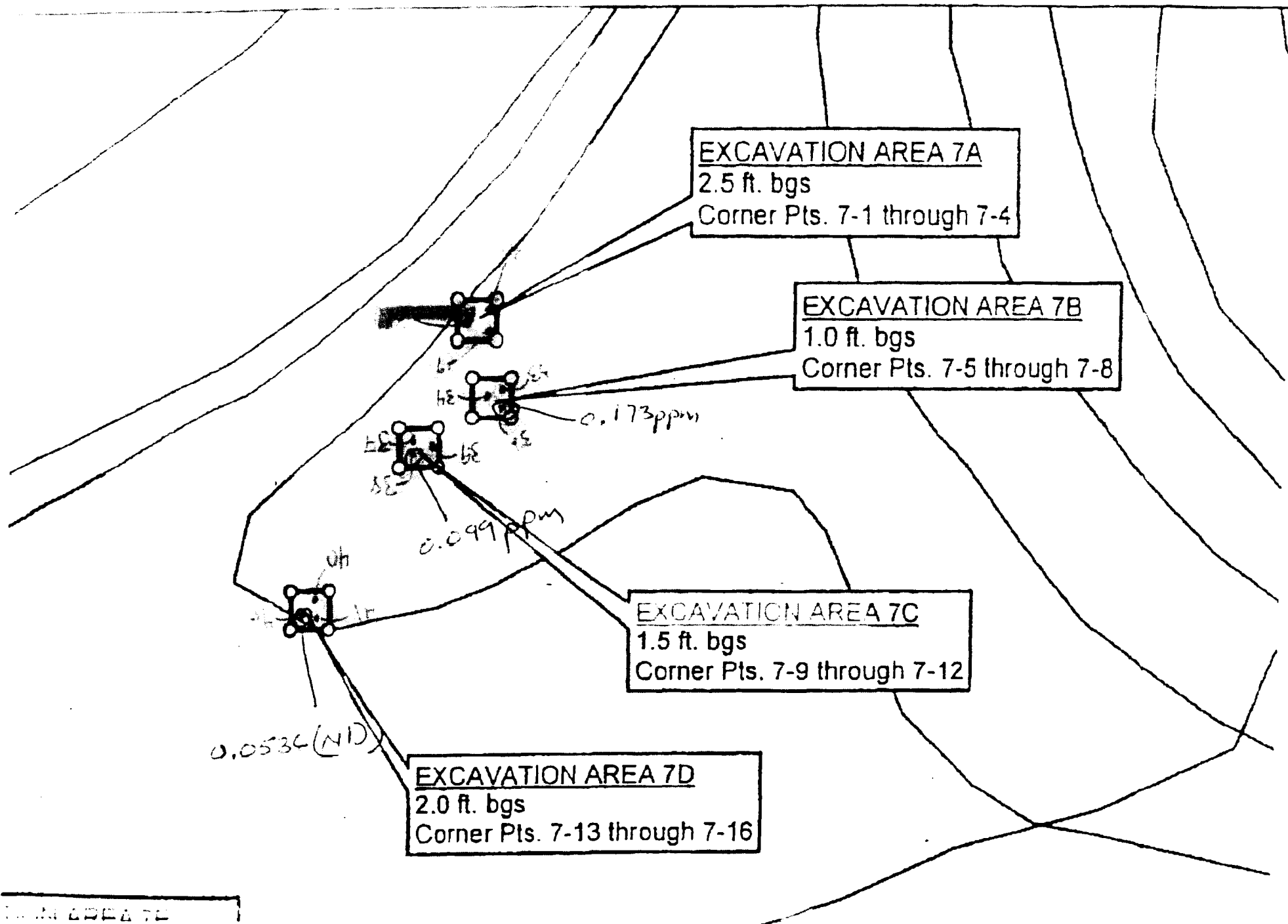
2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

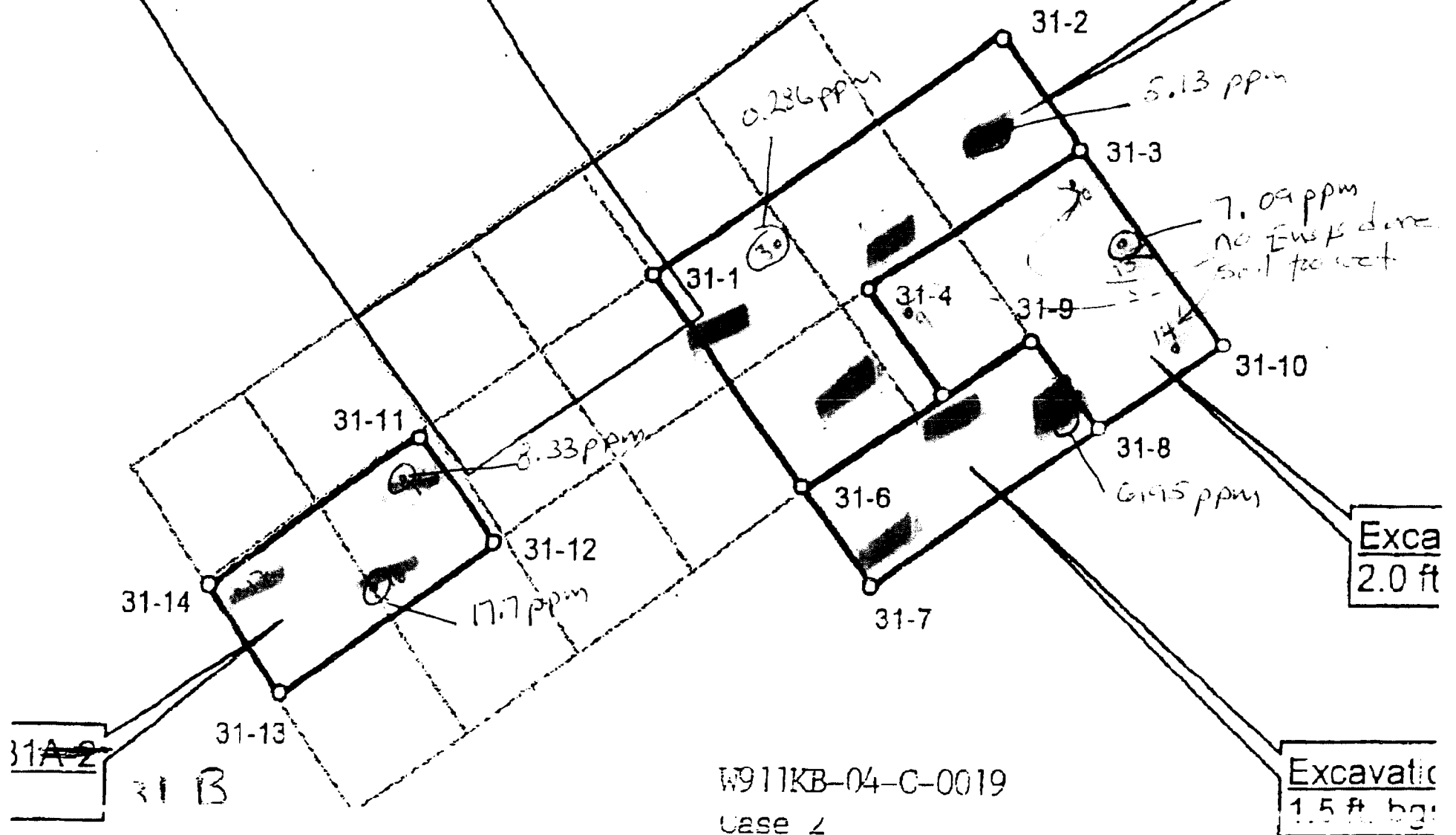
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC31SL102	7/19/05	1135	SL	1	D	X	X	--	
	05NEC31SL103	7/19/05	1140	SL	1	D	X	X	--	
	05NEC31SL104	7/19/05	1145	SL	1	D	X	X	--	
	05NEC31SL105	7/19/05	1150	SL	1	D	X	X	--	
	05NEC31SL106	7/19/05	1155	SL	1	D	X	X	--	
	05NEC31SL107	7/19/05	1155	SL	1	D	X	X	--	
	05NEC31SL109	7/19/05	1200	SL	1	D	X	X	--	
	05NEC31SL110	7/19/05	1205	SL	1	D	X	X	--	
	05NEC31SL111	7/19/05	1210	SL	1	D	X	X	--	
	05NEC31SL112	7/19/05	1215	SL	1	D	X	X	--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	



FORMER MED BLDG  
(Concrete slab remains)

Excavation  
0.5 ft. bgs

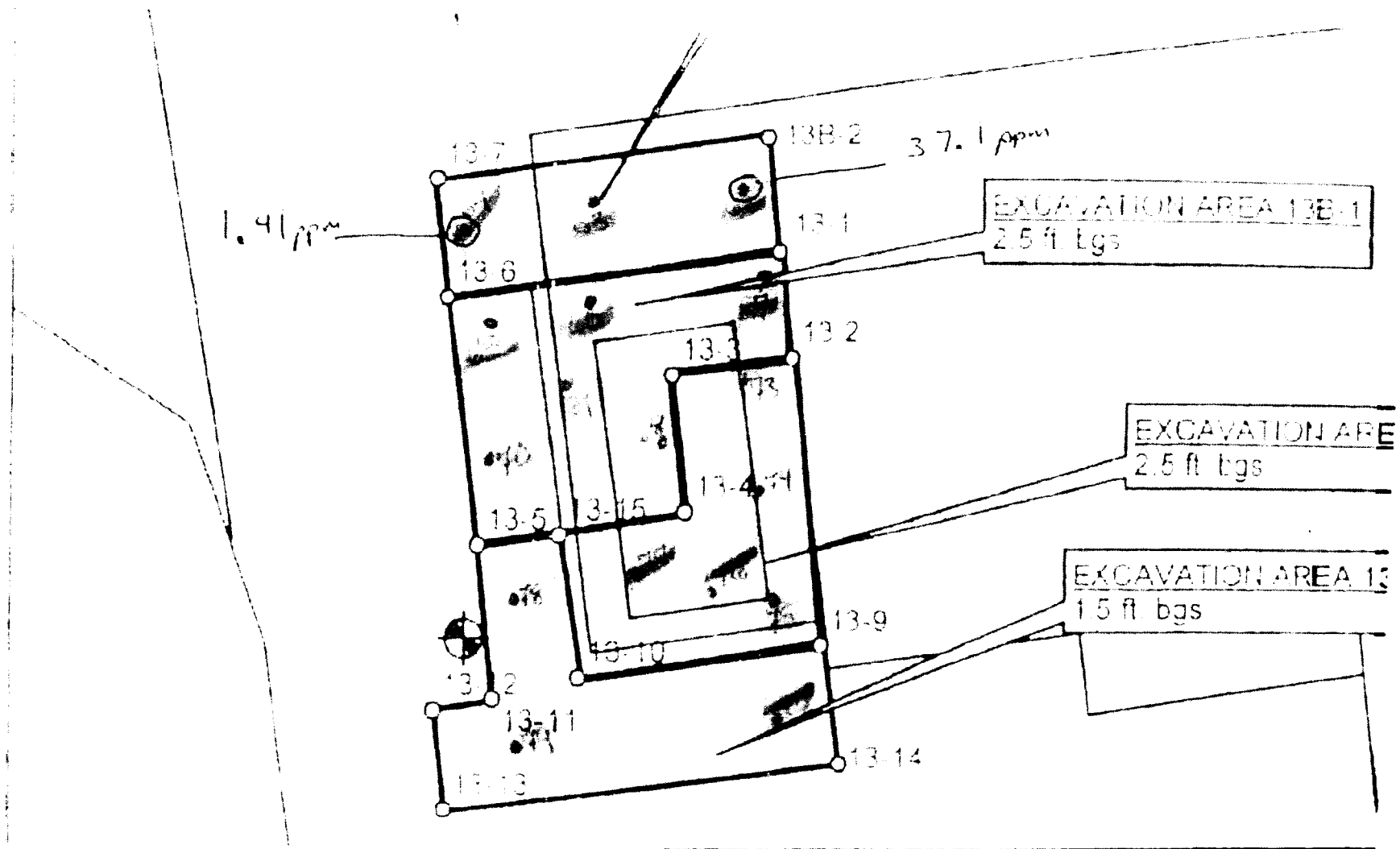


W911KB-04-C-0019

Case 2

Modification: none

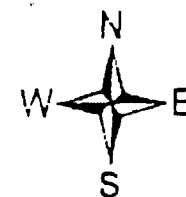
Excavation  
1.5 ft. bgs



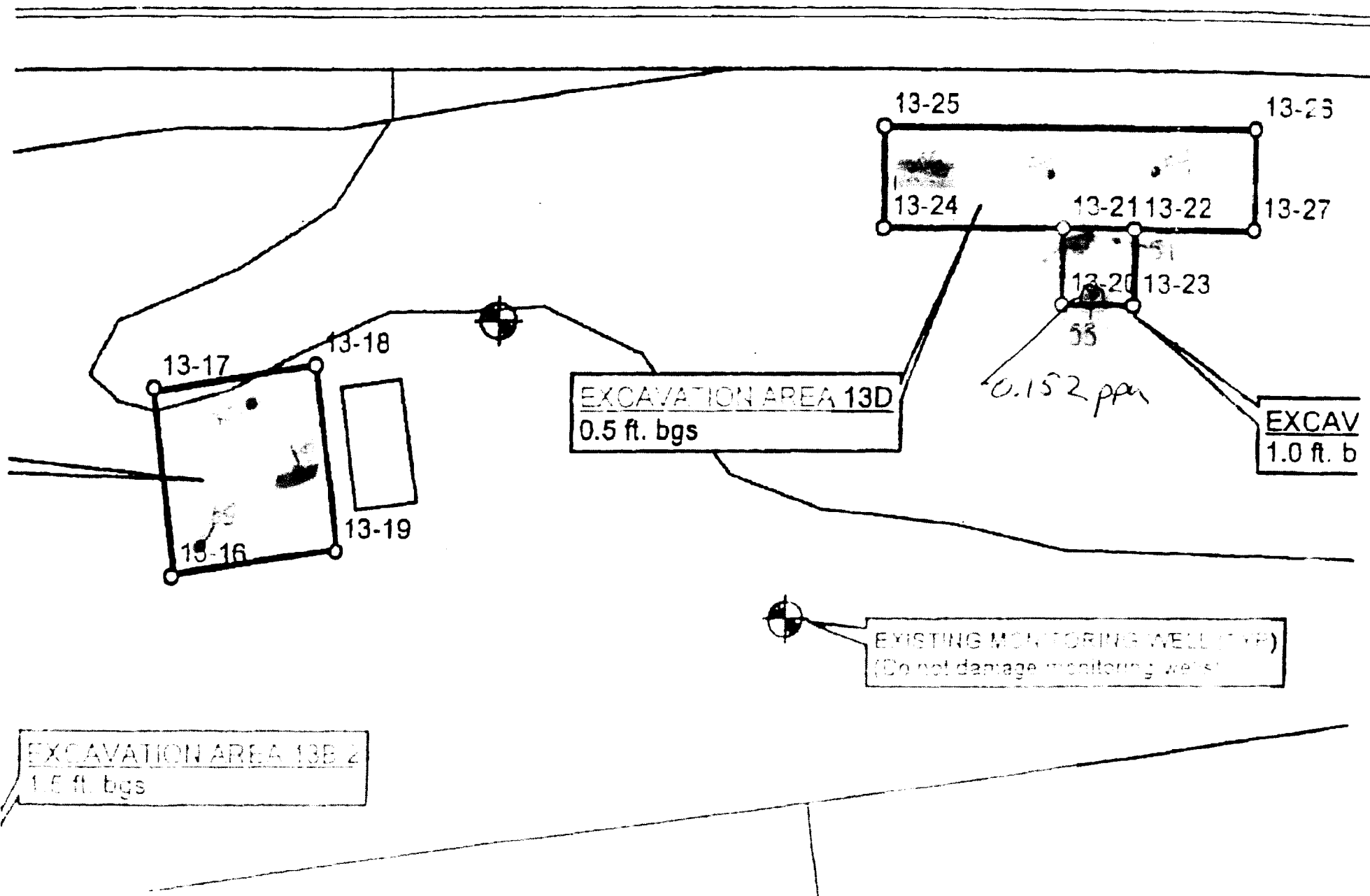
# Legend

○ Excavation Corners

□ Excavation Areas



0 20 Feet

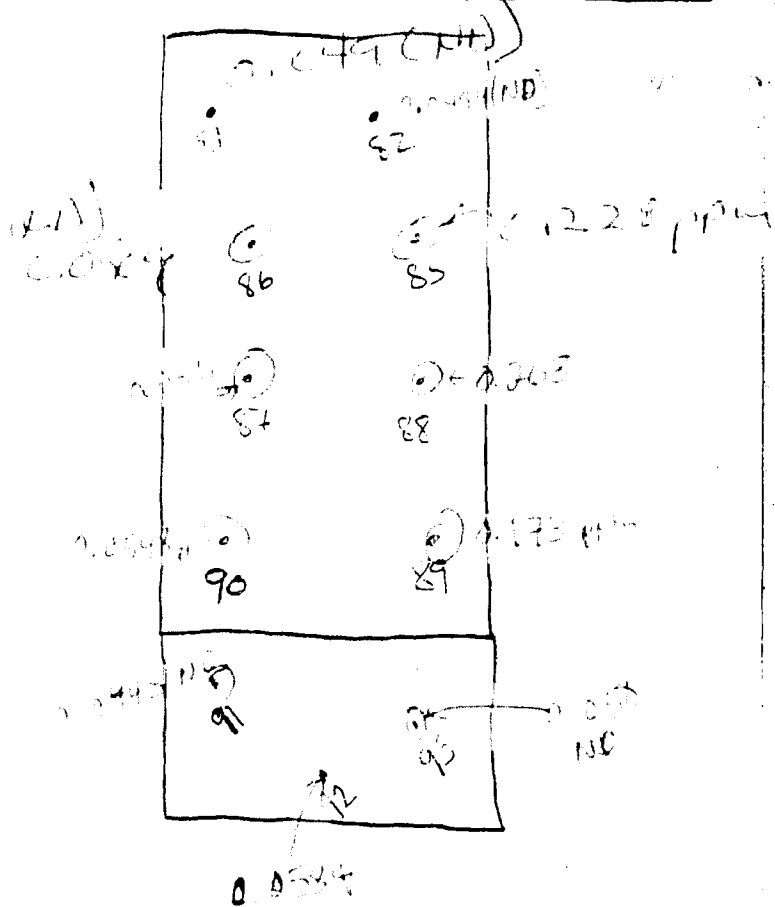


7/19/05 - Tuesday  
 0700 - Safety Mtg.  
 0715 - 2nd Sample  
 0845 - Tol Con Mtg.

N↑

NTS

1001 - Room B + 6 Sample Locations



2.116 10



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 037**

**Date or Time Period**  
**Sunday July 31, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory:

Initial:

Follow-up:

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☐

---

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space? Yes ☐ No ☐ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☐ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☐

Was a Job Safety Meeting held this day? Yes ☐ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☐ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☐ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC field crew off day.</li><li>2. Two mechanics worked an 8 day repairing equipment.</li><li>3. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Sunday	Hours	Off Island
<b>BEESC</b>		<b>7-31-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent			
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman			
Kim Leach	Driver/Operator			
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic		8	
Troy Whitmore	Oiler/Mechanic		8	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer			
Sam Mokiyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
Jacob Olanna	Laborer			
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	6	6
Ford Lube/Fuel Tk	50-201	11		11	1	1		24	73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320		9					9	1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		10			3	5	18	78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	5	10				5	20	45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351	4	10	5				19	29	48
Marooka MST 2200 Flatbed w/reel	50-352		11	9.5	4			24.5	60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415			8				8	0	8

Equipment Type	BEESC Number	M-25	T-26	W-27	TH-28	F-29	S-30	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501	7	2		6	11	8.5	34.5	87	121.5
Cat 988B loader w/bucket & forks	50-505	1	11		3	3	8	26	72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800				5	5		10	31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100				5			5	7	12
Cat D8K Winch Cat	51-101	5					4	9	11	20
Hitachi EX300LC Excavator	51-200				10	10		20	21.5	41.5
Hitachi EX120 Excavator	51-204	10		10		4		24	140	164

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	26	27
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1	0%	50%	50%
Activity: CL000609, Tram Support Tower #2	0%	50%	50%
Activity: CL000617, Tram Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #2	5%	5%	10%
Activity: CL000603, Tram Tower #3	0%	25%	25%
Activity: CL000603, Tram Tower #4	0%	25%	25%
Activity: CL000603, Tram Tower #5	0%	25%	25%
Activity: CL000603, Tram Tower #6	0%	25%	25%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Two mechanics worked on repair of equipment, an off day for remainder of crew.

Summary of Materials Removed as of Work Month Ending July 30/31, 2005:

Soil (CLINs 14 and 15)

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
<b>Total</b>	<b>188.67</b>	

## Concrete (CLINs 10 and 16)

Date Weighed	Tonnage	Location
July 8	62.595	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
July 30	8.07	Bldg 110 and Upper Mountain
<b>Total</b>	<b>163.115</b>	

## CLIN 8

Date Weighed	Tonnage	CLIN Activity
July 30	9.05	802
<b>Sub Total</b>	<b>9.05</b>	<b>Beach Debris</b>
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
July 25	57.262	804
July 29	14.095	804
July 30	80.642	804
<b>Sub Total</b>	<b>212.775</b>	<b>Scrap Metal AFS Ops Area</b>
July 14	27.76	806
<b>Sub Total</b>	<b>27.76</b>	<b>Cummins Engines</b>
<b>Total CLIN Tonnage</b>	<b>249.585</b>	

## CLIN 9

Date Weighed	Tonnage	CLIN Activity
7/21	12.64	911 & 913
<b>Sub Total</b>	<b>12.64</b>	<b>Armored Cable AFS Ops Area</b>
7/29	5.113	909
7/30	2.55	AFS Ops Area
<b>Sub Total</b>	<b>7.663</b>	
<b>Total CLIN Tonnage</b>	<b>20.303</b>	

CLIN 9 89.9 ton  
- 20.3

69.6 tons

Picked up - but  
not in con ops

## Comments:

- None

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05		



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/1/05  
Date

Bollu Gehel  
Site Superintendent Signature

8-1-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

---

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Crew day-off; some maintenance work on equipment accomplished. Catch-up computer work for the QAR. Weather predicted to be favorable for tomorrow for slope work.

QA Safety Inspections/Observations not noted in above comments:

*D.A. Mills* *AGE/* *02 Aug.*  
*QAR* *'05*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 1 1/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 1 1/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 038**

**Date or Time Period**  
**Monday August 1, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Dense fog, calm winds.

PM: Sunny, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Felled and removed Tram Towers #3, #4, #5, #6 and #7 to Lower Tram area.</li><li>3. Felled Line Support Towers #4, #5, #6, #7, #8, and #9.</li><li>4. Removed Cables/Wires (2) from Lower to Upper Tram Buildings.</li><li>5. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-1-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator			
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		0	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>TERRA SURVEYS</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	



# Equipment On Site

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	6
Ford Lube/Fuel Tk	50-201	9							73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351								29	48
Marooka MST 2200 Flatbed w/reel	50-352								60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								87	121.5
Cat 988B loader w/bucket & forks	50-505								72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10							7	12
Cat D8K Winch Cat	51-101	10							11	20
Hitachi EX300LC Excavator	51-200								21.5	41.5
Hitachi EX120 Excavator	51-204								140	164

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	27	28
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1	0%	50%	50%
Activity: CL000609, Tram Support Tower #2	0%	50%	50%
Activity: CL000617, Tram Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #2	0%	10%	10%
Activity: CL000603, Tram Tower #3	25%	25%	50%
Activity: CL000604, Tram Tower #4	25%	25%	50%
Activity: CL000605, Tram Tower #5	25%	25%	50%
Activity: CL000606, Tram Tower #6	25%	25%	50%
Activity: CL000607, Tram Tower #7		50%	50%
Activity: CL000501, Cable/Wire between L. and U. Mtn Tram Bldg		50%	50%
Activity: CL000502, Cable/Wire between L. and U. Mtn Tram Bldg		50%	50%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Towers and Cable/Wires were pulled from mountain to Lower Tram Building area where they are to cut and placed in connexes for subsequent off island transport.
- All concrete and soil removed to date has been placed in Baker Boxes and are staged at Cargo Beach waiting off island transport.
- Cargo transport manifests completed.
- Jacob Olanna discharged from labor crew for personal reasons. Scheduled to return to Savoonga on next charter flight off island.

Comments:

- None

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Sejit  
CQCSM Signature

8/2/05  
Date

Rollie L. Seifert  
Site Superintendent Signature

8-2-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The first day of August; the 0700 hours morning Safety Tailgate was held under overcast skies and a heavy area fog; Some moisture left over from early morning precipitation. The evening light misting helps in wetting the road dust and keeping it down. Fog lifted by mid-day for a largely sunny afternoon. Crew was largely assigned to the mtn slope and the Tram towers that were prep'ed in frame cutting Saturday.

As reported, this morning the crew once again walked down the tramline from the Upper Tram area, and Tram towers No. 3 thru 7 were dropped according to plan and several of the support towers either dropped or prep'ed for the next day. As mtn fog lifted about 1100 hours, QAR observed the felled and conjoined Tram towers 3 thru 7 being pulled from the slope by coordinated bulldozers to the mtn base staging area. The towers were staged in the vacated spot where towers 1 & 2 had been cut apart and packaged ( QA photos obtained ). These frames and some retrieved cables shall be commenced in cutting for packaging, tomorrow.

The QAR also walked and photo'ed the West slope of Site 7. The RFP and Work Plan cited the East slope of this site with an estimated 50-ton retrieval limit, but the QAR noted that substantial exposed debris, inclusive of an airplane fuel tank and other large variety containers, heaters, or boilers, exist on this opposite Western slope. Those photos are to be transmitted to the PDT, separately. It appears to the QAR that without excavation, the 50-ton limit can be easily reached on the East slope alone.

Good job again today by the crew who negotiated the difficult slope. Landing craft is due to the island tomorrow afternoon or evening. Safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anchorage.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above ground supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate. 3 lines of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000912-9	Tangled, damaged, kinked 1 1/2" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/01/2005

**Safety Meeting:** 7:00 AM

**Topics:**     Slips, trips and falls associated with steep slopes, unstable rock talus surface  
                 Level D PPE  
                 Heavy equipment operation stressed laborer/operator communication  
                 Fire drill results evaluated, points of improvement noted  
                 General site safety rules reviewed

**Clin No:** CL000603, 4, 5, 6 and 7-6

**Task to be accomplished:** Removal of towers 3,4,5,6 and 7.

**Observations/Comments:** Work commenced with the prep of Tower 7. Prep for all remaining towers was completed on 07302005. The existing cables attached to each tower were used to facilitate the removal process. Communications between the labor crew and operators was controlled by the Site Foreman. The chain of events started with the completion of the prep work on tower 7. As the last leg of the tower was scored to ease removal, the crew noticed an increase of tension in the overhead cables. The crew relocated to a safety area. Within a minute of moving, gravity and weight of the overhead cables brought down tower 7. This caused a chain reaction bringing down towers 6 and 5. At this point towers 3 and 4 remained standing. The tow provided by (2) bull dozers was all that was needed to bring down the remaining towers. All towers were towed to the lower tram area awaiting disassemble. PPE level D was observed and maintained by all.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 039**

Date or Time Period  
**Tuesday August 2, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Low to moderate cloud ceiling, calm winds.

PM: Partly cloudy, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. 2 BEESC personnel (Pederson, and Wheeler) and 1 DOT weigh scale inspector arrive on island by air charter.</li><li>3. 1 BEESC personnel (Olanna) and 1 DOT weigh scale inspector left island.</li><li>4. Initiated cutting and loading into connexes of Tram Towers #3, #4, #5, #6, and #7.</li><li>5. Felled Line Support Towers #3 and #5.</li><li>6. Prepared for the removal of remaining cables/wires and Line Support Towers #3, #4, #5, #6, #7, #8 and #9.</li><li>7. Initiated clean up at Debris Field #1 and continued clean up at Debris Field #2 on the Upper Mountain.</li><li>8. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Tuesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-2-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		14	
Hank Seipt	CQCSM		14	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		14	
Larry Pederson	Environmental Sampler		8.5	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		14	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		8.5	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Jacob Olanna	Laborer		0	Today
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
Steven Pocock	DOT Weigh Inspector		0.5 Day	Today
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	6
Ford Lube/Fuel Tk	50-201	9	4						73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2						45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5						29	48
Marooka MST 2200 Flatbed w/reel	50-352		5.5						60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								87	121.5
Cat 988B loader w/bucket & forks	50-505		9						72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10							7	12
Cat D8K Winch Cat	51-101	10	2						11	20
Hitachi EX300LC Excavator	51-200		11						21.5	41.5
Hitachi EX120 Excavator	51-204		4						140	164

#### Materials Received to be Used on or Incorporated into Site

One charter air flight arrived carrying personnel, their work-related possessions, and Ensys chemical (PCB) screening kits.

#### Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

## Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	28	29
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000503, 2-Inch Wire Removal	0%	25%	25%
Activity: CL000508, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000510, Wire Bundle (3 Wires) Removal	0%	25%	25%
Activity: CL000608, Tram Support Tower #1	0%	50%	50%
Activity: CL000609, Tram Support Tower #2	0%	50%	50%
Activity: CL000617, Tram Support Tower #10	0%	50%	50%
Activity: CL000703, Clean up of Debris Field #2	5%	10%	15%
Activity: CL000603, Tram Tower #3	45%	50%	95%
Activity: CL000604, Tram Tower #4	45%	50%	95%
Activity: CL000605, Tram Tower #5	45%	50%	95%
Activity: CL000606, Tram Tower #6	0%	50%	50%
Activity: CL000607, Tram Tower #7	0%	50%	50%
Activity: CL000501, Cable/Wire between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000502, Cable/Wire between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #1			5%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Weigh scale tested and certified by state DOT inspector. Accuracy of scale weighing prior to testing within +/- 20 pounds. No correction factor was required for transport containers weighed to date.
- 2 BEESC personnel arrived on island and 1 BEESC personnel left island.
- 1 DOT weigh inspector on island for approximately 1.5 hour inspecting and certifying BEESC weigh scale.
- Loaded 31 containers (7 Baker Boxes of PCB-impacted soil, 7 Baker Boxes of PCB-impacted concrete, and 17 connexes of scrap metal) onto a barge for transport to a designated disposal facilities.
- Completed CLIN Activities CL000603, CL000604, and CL000605.

Comments:

- None



COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/3/05  
Date

Rollin Thibault  
Site Superintendent Signature

8-3-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns iterated at the 0700 hours Safety Tailgate. Morning fog burned off, then the bowl fogged-up again in the early afternoon. Work at the Upper Tram area proceeded as described both at the debris areas and the support towers prep'. By day-end, the support towers and affiliated cables are reportedly almost ready to be pulled down the mtn slope, tomorrow Wednesday, 03 August. As reported; today's activity completes CLIN's 603 thru 605 (Tram Towers 3 thru 5 ). Another good day by the crew on the slopes.

ADOT Weights & Measures rep' confirmed the truck scale today. The Tram Towers pulled from the slope yesterday, were continued in demo' and packaging today with the large excavator using hydraulic shears at the mtn base staging area. QAR also wrapped-up the review for signatures of the 31 needed Non-Haz' Manifests in PCB-impacted soil and separated concrete; also steel debris waste. QAR reviewed an NPA-15 draft for the next Pay Estimate No. 003. Barge arrived at 1930 hours and QAR observed the commencement of the loading of 31 steel Baker boxes & connexes. More QA photos obtained.

The tele-conference typically held on Tuesdays ( today ) is to be held tomorrow Wednesday, 03 August at 0900 hours. Delay is due to the coincidental travel plan for members of the PDT to visit Gambell for a mtg today. They shall dial-in to the tele-conference tomorrow from Gambell.

QA Safety Inspections/Observations not noted in above comments:

*E.A. Mills* *ALB* *QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

03 Aug.  
05

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/02/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable, damp rock talus surface  
Level D PPE  
Heavy equipment operation, three point entry and exit from machinery  
Spill prevention response---in the event of a spill 1) evacuate the area and contact Site Supervisor, 2) follow emergency response plan (determined source and, if safely possible, stem flow) including transport of any victims to emergency center, 3) contact USACE for any regulatory reporting.  
General site safety rules reviewed

**Clin No:** CL000702-7

**Task to be accomplished:** Removal of miscellaneous materials from debris field #1

**Observations/Comments:** Debris field #1 is located on the north slope of the upper mountain area. The approximate range of the debris field extends from the former location of tower 7 – tower 5. Observed the collections of wood, construction debris, cables and materials associated with the removal of the tram towers. Ground personnel collected and consolidated materials for the excavator. The excavator placed the consolidated debris in the Morooka which transported the materials down the mountain. The Morooka proceeded to the scale where debris weight was verified and documented. Materials were then staged pending containerization for off island transport. Prescribed PPE level was D



# Northland Services

MARINE TRANSPORTATION

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

202883

## STRAIGHT BILL OF LADING – SHORT FORM

ORIGINAL – NOT NEGOTIABLE

### BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE April 5 2008	BOOKING NO.	VESSEL AND VOYAGE NO. Cape Horn	NSI CONTROL NOL.
PORT OF LOADING Seattle	PORT OF DISCHARGE Anchorage	DESTINATION Anchorage	BEYOND CARRIER
CONSIGNEE Bentley Environmental	SHIPPER Bentley Environmental	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify	
BILL TO: Please show complete address - include zip 2000 1st St Anchorage, AK 99502			
TELEPHONE (206) 461-2000	TELEPHONE (907) 503-0013		

INCOMING CARRIER \_\_\_\_\_ INCOMING CARRIER'S ADVANCE CHARGES: \$ \_\_\_\_\_

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
ONE 378507	1	Crux	Scrap Metal	3232.00
ONE 378507	1	Crux	Scrap Metal	4155.00
ONE 378507	1	Crux	Scrap Metal	2920.00
ONE 378507	1	Crux	Scrap Metal	2798.00
ONE 378507	1	Crux	Scrap Metal	3044.00
ONE 378507	1	Crux	Scrap Metal	2182.00
ONE 378507	1	Crux	Scrap Metal	2412.00
ONE 378507	1	Crux	Scrap Metal	2016.00
ONE 378507	1	Crux	Scrap Metal	2010.00
ONE 378507	1	Crux	Scrap Metal	2010.00
ONE 378507	1	Crux	Scrap Metal	2010.00
ONE 378507	1	Crux	Scrap Metal	2010.00
ONE 378507	1	Crux	Wire (copper)	2010.00

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 17 \_\_\_\_\_).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

### NSI RECEIVING STAMP

Date: \_\_\_\_\_

Received By: \_\_\_\_\_

Quantity: \_\_\_\_\_

Equipment  
Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE – Original

CANARY – Wharf Copy

PINK – Memo Copy

GOLDENROD – Memo Copy





STRAIGHT BILL OF LADING – SHORT FORM  
ORIGINAL – NOT NEGOTIABLE

202884

DATE JAN 12 1986	BOOKING NO. 1000000000	VESSEL AND VOYAGE NO. 1000000000	NSI CONTROL NOL.
PORT OF LOADING SEATTLE	PORT OF DISCHARGE SEATTLE	DESTINATION SEATTLE	BEYOND CARRIER
CONSIGNEE BANK OF AMERICA	SHIPPER BANK OF AMERICA	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify BILL TO: Please show complete address - include zip BANK OF AMERICA 1000000000 SEATTLE, WA 98101	
TELEPHONE 206-461-1111	TELEPHONE 206-461-1111	BANK OF AMERICA 1000000000 SEATTLE, WA 98101	

INCOMING CARRIER \_\_\_\_\_ INCOMING CARRIER'S ADVANCE CHARGES: \$ \_\_\_\_\_

[illegible]

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

Equipment Number: \_\_\_\_\_

**WHITE – Original      CANARY – Wharf Copy      PINK – Memo Copy      GOLDENROD – Memo Copy**

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395 <b>XH</b>		Manifest Document No. NE001		2. Page 1 of 3 <b>X</b>	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone (907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		31,740 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>Amo X 228 395 000 X</del> , BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.				Conex PNWS 8028			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>LISACOE / QAR ON BEHALF OF LISACOE / POP</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date 8/01/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>James P. Cunningham</i>				Signature <i>[Signature]</i>		Date 8/02/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE003		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
				C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		30,440 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.      Conex # PNWS 8005							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USACE / QAR ON BEHALF OF USACE/PDR</b>							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8/01/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James P. Cunningham				Signature J.P. C		Date 8/10/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE011		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		16,140 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex # PNWS 8093							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date 8/10/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature		Date	
Printed/Typed Name							

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE018		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		33,960 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>AKO XXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8130							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S. A. MILLS		Date 8/01/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James R. Cunningham				Signature J. R. C.		Date 8/02/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	

NON-HAZARDOUS WASTE

TRANSPORTER

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# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE021		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		23,260 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8120							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. MILLS		Date 8/01/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date 8/02/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE013		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		33,800 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.				XXXXXXXX PNWS 8121 Baker box			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date 8/10/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature T. C.		Date 8/10/05	
19. Discrepancy Indication Space				Signature		Date	
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature		Date	
Printed/Typed Name				Signature		Date	

GENERATOR

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE008		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. <input checked="" type="checkbox"/> Material not regulated by DOT				01 CM		30,190 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PNWS 8141							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. MILLS		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James P. Cunningham				Signature J.P. Cunningham		Date 8/10/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE019		2. Page 1 of <del>XX</del> 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		33,190 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker Box # PNWS 8081							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVEN A. "SAM" MILLS				Signature S. A. MILLS		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date 8/12/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE012	2. Page 1 of XX 3
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066					
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental	
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID	
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR 9 812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID	
				D. Transporter 2 Phone 800-426-3113	
				E. State Facility's ID	
				F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
a. <input checked="" type="checkbox"/> Material Not Regulated by DOT			No. 01	Type CM	33,030 P
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of <del>XXXXXX</del> date 07/16/05. Profile # 2320VC			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. <del>XXXXXX</del> PNWS 8127 Baker box					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
<b>USACE / QAR ON BEHALF OF USACE / ROD</b>					
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>		Signature <i>S.A. Mills</i>		Date Month Day Year <b>8 10 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>James P. Cunningham</i>		Signature <i>J.P. Cunningham</i>		Date Month Day Year <b>8 10 05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name		Signature		Date Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR

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# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE010		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066				4. Generator's Phone ( 907 ) 353-7850			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		c/o Bristol Environmental			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		B. Transporter 1 Phone 800-426-3113			
				C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		27,940 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PNWS 8084							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
LIBACOE / QAR ON BEHALF OF LIBACOE /				Date			
Printed/Typed Name STEVE A. "SAM" MILLS		Signature S.A. MILLS		Month 8		Day Year 10 105	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name James P. Cunningham		Signature J.P. C.		Month 8		Day Year 10 105	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name		Signature		Month		Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE002		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone		541-454-2030	
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No.	Type		
a. Material not regulated by DOT				01	CM	31,820	p
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. <div style="text-align: right;">Conex # PNWS 8077</div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
LIBACOE / QAR ON BEHALF OF LIBACOE / ROD							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S. A. Mills		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James P. Cunningham				Signature [Signature]		Date 8/02/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. <b>NE022</b> <del>NE022</del>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		29,470 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXX WAINWRIGHT</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box# PNWS 8024							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <b>S.A. MILLS</b>		Date Month Day Year <b>8 01 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <b>James P. Cunningham</b>				Signature <b>J.P. C.</b>		Date Month Day Year <b>8 02 05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE004		2. Page 1 of 3	
3. Generator's Name and Mailing Address  USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		31,190 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile # 2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PNWS 8006							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.  USACE / QAR ON BEHALF OF USACE / POD							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date Month Day Year 8 10 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date Month Day Year 8 12 05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE014		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		30,340 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXXXXXXXXXXXXXXXX BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. XXXXXXXXXXXXXXXXXXXX				Baker box #PNWS 8105			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. MILLS		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James P. Cunningham				Signature J.P. C		Date 8/10/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 040**

**Date or Time Period**  
**Wednesday August 3, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 55-60

AM: Moderate cloud ceiling, calm winds.

PM: Partly cloudy, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☐ N/A ☒

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒



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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

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**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed cutting and removal of Tram Towers #6 and #7.</li><li>3. Removed all remaining cables and wires from Tram system.</li><li>4. Initiated spooling and cutting removed cables and wires.</li><li>5. Removed Line Support Towers #3, #4, #5, #6, #7, #8 and #9.</li><li>6. Continued clean up of Debris Fields #1 and #2 on the Upper Mountain.</li><li>7. Completed laying out concrete sample location grids at Buildings 108 and 109.</li><li>8. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Wednesday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-3-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	6
Ford Lube/Fuel Tk	50-201	9	4	4					73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2						45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5	2					29	48
Marooka MST 2200 Flatbed w/reel	50-352		5.5	10					60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								87	121.5
Cat 988B loader w/bucket & forks	50-505		9						72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10		7					7	12
Cat D8K Winch Cat	51-101	10	2	10					11	20
Hitachi EX300LC Excavator	51-200		11	8					21.5	41.5
Hitachi EX120 Excavator	51-204		4	10					140	164

Materials Received to be Used on or Incorporated into Site

One Bobcat loader arrived by barge.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	29	30
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	25%	25%	50%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg			50%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg			50%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	25%	25%	50%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	25%	25%	50%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg			50%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg			50%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg			50%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg			50%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1			50%
Activity: CL000608, Line Support Tower #1	0%	50%	50%

Activity: CL000609, Line Support Tower #2	0%	50%	50%
Activity: CL000610, Line Support Tower #3			50%
Activity: CL000611, Line Support Tower #4			50%
Activity: CL000612, Line Support Tower #5			50%
Activity: CL000613, Line Support Tower #6			50%
Activity: CL000614, Line Support Tower #7			50%
Activity: CL000615, Line Support Tower #8			50%
Activity: CL000616, Line Support Tower #9			50%
Activity: CL000617, Line Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #1		5%	5%
Activity: CL000703, Clean up of Debris Field #2	5%	15%	20%
Activity: CL000606, Tram Tower #6	45%	50%	95%
Activity: CL000607, Tram Tower #7	45%	50%	95%

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- All tram towers, line support towers, wires, and cables have been removed between the former lower and upper tram buildings.
- Completed CLIN Activities CL000606 and CL000607.

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Comments:

- None
-

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/4/05  
Date

Dollii G. Godel  
Site Superintendent Signature

8-4-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard issues iterated at the 0700 hours Safety Tailgate. Crew enjoyed good working weather under largely overcast skies and light breezes. Although not mentioned in the Contractor's Daily summary, PM Carey Cossaboom called into the 0900 hours Weekly Tele-conference from Gambell (Delayed since yesterday, Tuesday ). Agenda produced by the Contractor completely covered.

Work proceeded as reported. Debris pick-up on-going at mtn-top obscured by fog – poor for photos. Remainder of Tram towers packaged at Lower Tram slope staging area with large excavator/ hydraulic shears. QA photos obtained at the cable-cutting process at lower slope; cables are laid-out; Support towers are cut from the cables and lined out separately; Cables are cut to desired lengths with metal-cutting saws; Spooled and metal-banded using the outfitted Marooka. Nice methodical work. Safety observed throughout. Regional Native rep's due onto the site tomorrow Thursday, 04 August, weather permitting, roughly noontime.

QA Safety Inspections/Observations not noted in above comments:

B. A. Mills ALGE /QAR

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

04 Aug. 05

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/03/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable, damp rock talus surface  
Level D PPE  
Heavy equipment operation, three point entry and exit from machinery  
Emergency response---evacuation notification is three blasts with air horn, evacuation placard posted on all unit doors denotes camp evacuation routes, common meeting area west of camp between buildings and airport runway, camp service personnel responsible for seeing that all personnel out of the camp buildings.  
General site safety rules reviewed

***Clin No:***

***Task to be accomplished:*** Removal of remaining communications support towers and cables associated with tram towers, communications and other support functions.

***Observations/Comments:*** Final preparation of communications support towers was completed on 08022005. A wire rope sling was constructed and attached to the support cables. The sling was connected to the tow vehicle (bull dozer). The tow was initiated approximately 300' southwest of the former lower tram building. A safety observer was stationed approximately 200' above the tow start point and adjacent to the intended line of pull. The safety observer verified the tow was free of obstructions, undue tension and account for communications support towers. The area surrounding the former tram tower #2 locations was a concern. (2) Concrete tower footings were positioned directly in the path of communications support towers attached to the tow cables. After removal of the down hill footing, cables were redirected, reattached and the tow commenced. Completion of the tow was achieved when the ends of the cables reached beyond the foundation of the lower tram building. Level of PPE prescribed for days activities was level D.

## **WEEKLY MEETING**

**AUGUST 3, 2005**

**09:00-09:30**

**NE Cape: R. Goebel, H. Seipt, T. Peterson, and S. Mills**

**BEESC Anchorage: S. Johnson, C. Croley, and P. Curl**

**USACE: P. Schneider, C. Cossaboom and L. Geist**

### **BEESC AGENDA**

#### **1. Progress for the Week**

##### **A. R. Goebel**

**Removal of Tram Towers---all tied together and removed at one time**

**Barge--- 31 containers (approximately 50 tons) removed on 8/2**

**DOT certification of weigh scale---test indicated no correction needed to previously weighed material**

**Upper Mountain debris pick up---to be completed as weather permits**

**Estimate field work to be finished sometime between 8/19-26**

##### **B. T. Petersen**

**Review of health and safety issues related to Upper Mountain work**

##### **C. P. Curl**

**Waste transport---all waste shipped classified as non-hazardous, waste tracking forms will be completed**

##### **B. S. Johnson**

**ACM/Boil Issue---BEESC to handle with no additional cost increase to USACE.**

**PCB-impacted soil---Enslys screening and analytical laboratory confirmation indicates PCB-impacted soil remains at Sites 7, 13, 14, and 31. 14 tons still to be removed as per contract. Likely site to remove remaining soil are Site 13C, 13D, and at soil sample site 109 that was located beneath the Room F concrete slab at Site 31.**

**Subject of possibility of exchanging unused Field Overhead costs for additional material removal was proposed. USACE stated transaction possible and likely material would be debris as opposed to additional PCB-impacted soil removal.**

#### **2. Week's Upcoming Work**

**A. Off-island removal of up to 20 containers anticipated for August 4.**

**B. Upper Mountain debris removal.**

**C. Removal and disposal of line support towers, tram cables, and tram wires.**

**D. Concrete sampling**

**E. St. Lawrence Island Visitors ---scheduled for Thursday depending on weather conditions**

#### **4. Invoicing**

**A. S. Johnson stated mentioned question on latest Progress Billing Invoices, but were addressed with USACE representative prior to beginning conference call.**

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 041**

Date or Time Period  
**Thursday August 4, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Cloudy, light precipitation, windy (sustained 15-20 MPH with higher gusts). PM: Cloudy, light to moderate precipitation, high winds (sustained +20 MPH with gusts in excess of 40 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☒ Level D ☐ Modified Level D ☒  
Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐  
Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐  
Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒  
Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐  
Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐  
Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐  
Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Level C PPE utilized by 2 personnel performing concrete sampling. Respiratory fit test completed for both personnel prior to beginning of sampling.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed concrete slab sampling at Building 108.</li><li>3. Initiated concrete slab sampling at Building 109.</li><li>4. Continued cutting Tram system wires and cables that were removed between the former Lower and Upper Tram buildings.</li><li>5. Continued clean up of Debris Fields #1 and #2 on the Upper Mountain.</li><li>6. Unloaded a Bobcat loader from an arriving barge.</li><li>7. Loaded 20 soil (5), concrete (4), and scrap steel (9) filled connexes onto a second barge arriving barge for off-island disposal.</li><li>8. Field operations terminated one hour early due to adverse weather conditions (high winds) that created a safety hazard (wind blown material) to personnel.</li><li>9. Total personnel: 21.</li></ol>



**Manpower On Site**

Personnel	Classification	Thursday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-4-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		10	
Hank Seipt	CQCSM		10	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		10	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		10	
Kim Leach	Driver/Operator		10	
Bill Thorton	Operator		10	
John Wheeler	Operator		10	
Olaf Matson	Driver		10	
Rick Beasley	Mechanic		10	
Troy Whitmore	Oiler/Mechanic		10	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		10	
Sam Mokiuk	Laborer		10	
Truman Kava	Laborer		10	
Paul Rookok	Laborer		10	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200				2				6	6
Ford Lube/Fuel Tk	50-201	9	4	4	7				73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2						45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5	2					29	48
Marooka MST 2200 Flatbed w/reel	50-352		5.5	10	9				60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501				10				87	121.5
Cat 988B loader w/bucket & forks	50-505		9		3				72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10		7					7	12
Cat D8K Winch Cat	51-101	10	2	10					11	20
Hitachi EX300LC Excavator	51-200		11	8	4				21.5	41.5
Hitachi EX120 Excavator	51-204		4	10	9				140	164
BobCat					9					

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

Operations shut down one hour early due to adverse weather (high winds) conditions.

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	30	31
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	0%	50%	50%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	25%	25%	50%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	25%	25%	50%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	25%	50%	50%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	10%	50%	60%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	10%	50%	60%
Activity: CL000608, Line Support Tower #1	0%	50%	50%

Activity: CL000609, Line Support Tower #2	0%	50%	50%
Activity: CL000610, Line Support Tower #3	0%	50%	50%
Activity: CL000611, Line Support Tower #4	0%	50%	50%
Activity: CL000612, Line Support Tower #5	0%	50%	50%
Activity: CL000613, Line Support Tower #6	0%	50%	50%
Activity: CL000614, Line Support Tower #7	0%	50%	50%
Activity: CL000615, Line Support Tower #8	0%	50%	50%
Activity: CL000616, Line Support Tower #9	0%	50%	50%
Activity: CL000617, Line Support Tower #10	0%	50%	50%
Activity: CL000702, Clean up of Debris Field #1	5%	5%	10%
Activity: CL000703, Clean up of Debris Field #2	5%	20%	25%

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Concrete sampling completed utilizing a roto-hammer and steel bit to generate concrete powder that is to be analyzed for PCBs. High winds, as experienced today, significantly slowed sample collection.
- The Bobcat loader that arrived today is to be utilized to load coiled tram cables and wires into connexes.
- Loaded 18 containers (5 Baker Boxes of PCB-impacted soil, 4 Baker Boxes of PCB-impacted concrete, 8 connexes of scrap metal, and one flat of scrap metal) onto a barge for transport to designated disposal facilities.

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Comments:

- None
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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Sengit  
CQCSM Signature

8/5/05  
Date

[Signature]  
Site Superintendent Signature

8-5-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/04/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable, damp rock talus surface  
Level D PPE Laborers and Level C PPE for concrete sampling crew  
Heavy equipment operation---three point entry and exit from machinery  
Respirators Limitations---not to be used when oxygen <19% or IDLH condition exist  
General site safety rules reviewed

**Worksite ID/Clin No:** C10001602-16

**SS/Lead and No. of workers:** Larry Pederson and Hank Seipt.

**Task to be accomplished:** Collect concrete samples, (possible PCB contaminated) from pad of former bldg 108.

**Observations/Comments:** The medical history questionnaire (Appendix A/B) of the Site Specific Health and Safety Plan was required to be completed by Mr. Seipt prior to field activity. Mr. Pederson completed the questionnaires earlier in the field season. Additionally a qualitative fit test utilizing irritant smoke (Stannic Chloride) was administered to both members of the sampling team. An electric drill with ½ bit was used to extract a minimum of 50 grams of concrete powder from 8 separate locations. Drill bits were decontaminated using Alconox and distilled water after each use to prevent the possibility of cross contamination. PPE utilized during the collection of samples was Level C with nitrile chemical resistant gloves. The chemical resistant suit wasn't worn due to wind conditions and threshold level of the concrete to be sampled.

### SAFETY OBSERVATION REPORT (SOR)

Date: 8-24-05 Time: 820 AM

Person Submitting This Report: L.F. LUNA DENALI

Observation: CHOP SAW CUTTING INTO WIND,  
WITH WIND BLOWING IN EXCESS

Action Taken:

Immediate Corrective Action: Cut with wind to back

Action to Prevent Recurrence: SAFETY MEETING WITH CREW

Indirect Cause: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

Commitment? \_\_\_\_\_

Further Action or Help Needed? \_\_\_\_\_

Signature: [Signature]

### SAFETY OBSERVATION REPORT (SOR)

Date: August 4 Time: 3:00 PM

Person Submitting This Report: H. SEPT

Observation: High winds / wind blown debris  
wind picking up and blowing debris  
across site

Action Taken: Notified site & site supervisor

Immediate Corrective Action: work terminated early (1 hour)

Action to Prevent Recurrence: monitor wind with gauge

Indirect Cause: Deterioration of weather conditions in field

Corrective Action: Obtain updated weather forecasts / monitor conditions

Commitment? Strong flying debris a potential cause of  
a serious injury.

Further Action or Help Needed? No. the presence of wind  
a constant factor that has been dealt  
with in an adequate manner by BEGSC's  
site supervisor.

Signature: H. M. Sept



# Northland Services

MARINE TRANSPORTATION

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

202885

## STRAIGHT BILL OF LADING – SHORT FORM

### ORIGINAL – NOT NEGOTIABLE

#### BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE 3/14	BOOKING NO.	VESSEL AND VOYAGE NO. NORWAY 3/11/15	NSI CONTROL NOL.
PORT OF LOADING Seattle, WA	PORT OF DISCHARGE NONE	DESTINATION SEATTLE	BEYOND CARRIER
CONSIGNEE Bristol Environmental	SHIPPER Bristol Environmental	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify	
Terminal 115	2000 W. Int. Airport Rd, #C-1	BILL TO: Please show complete address - include zip SAME	
115 W. Marginal Way	Anchorage, AK 99502	Bristol Environmental	
Seattle, WA		2000 W. Int. Airport Rd, #C-1	
TELEPHONE	TELEPHONE (907) 503-0013	Anchorage, AK 99502	

INCOMING CARRIER \_\_\_\_\_ INCOMING CARRIER'S ADVANCE CHARGES: \$ \_\_\_\_\_

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
2757	1	Connex	Scrap Metal	45,840
NSIU299233	1	Connex	Scrap Metal	29,280
EISU 507649	1	Connex	Scrap Metal	30,240
AK1106	1	Connex	Scrap Metal	27,760
CYU215699	1	Connex	Scrap Metal	25,840
CNU48914	1	Connex	Scrap Metal	26,400
HRU558333	1	Connex	Scrap Metal	28,000
EISU303047	1	Connex	Scrap Metal	28,000
TRU567553	1	Flat Box	D-8' Cat (Scrap Metal)	35,930

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: Northland Services DATE: 3/14/15 BY: \_\_\_\_\_

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 177.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

#### NSI RECEIVING STAMP

Date: 3/14/15

Received By: [Signature]

Quantity: \_\_\_\_\_

Equipment Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE – Original

CANARY – Wharf Copy

PINK – Memo Copy

GOLDENROD – Memo Copy

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE023		2. Page 1 of <del>2</del> 3			
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066				c/o Bristol Environmental					
								4. Generator's Phone ( 907) 353-7850	
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION  a. Material not regulated by DOT  b.  c.  d.				12. Containers		13. Total Quantity		14. Unit WL/Vol.	
				No. Type					
				01 CM		31,590		P	
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information <input checked="" type="checkbox"/> Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8071									
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.									
Printed/Typed Name ACOE / QAR ON BEHALF OF USACE / FOD STEVE A. "SAM" MILLS				Signature S. A. Mills		Date 8 10 05			
17. Transporter 1 Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name Steve Glasman				Signature Steve Glasman		Date 8 17 05			
18. Transporter 2 Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name				Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.									
Printed/Typed Name				Signature		Date			
						Month Day Year			

NON-HAZARDOUS WASTE GENERATOR



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395 ,</b>		Manifest Document No. <b>NE006</b>		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>32,880 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above  <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information  <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.</b> <div style="text-align: right;"><b>Conex# PNWS 8133</b></div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USALOE / QAR ON BEHALF OF USALOE / ROD</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date <b>8/10/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>Steve Glasner</i>				Signature <i>Steve Glasner</i>		Date <b>8/10/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	

NON-HAZARDOUS WASTE





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE015		2. Page 1 of 3			
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066									
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental					
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID					
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113					
				C. State Transporter's ID					
				D. Transporter 2 Phone 800-426-3113					
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID					
				F. Facility's Phone 541-454-2030					
11. WASTE DESCRIPTION  a. Material not regulated by DOT  b.  c.  d.				12. Containers		13. Total Quantity		14. Unit Wt./Vol.	
				No. Type					
				01 CM		32,600		P	
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>AKO 000 228 395</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box #PNWS 8064									
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.									
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8/10/05			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Steve Glasma		Date 8/14/05			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.									
Printed/Typed Name				Signature		Date			

NON-HAZARDOUS WASTE GENERATOR



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE020		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR				10. US EPA ID Number ORD 987 173 457		E. State Facility's ID	
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		32,370 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>Anna Krasnowska</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8131							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S. A. Mills		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Steve Glasman		Date 8/14/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE017		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION  a. Material not regulated by DOT  b.  c.  d.				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
				01 CM		30,540 P	
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>AKOXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8042							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A "SAM" MILLS				Signature S.A. MILLS		Date 8/10/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Steve Glasman		Date 8/4/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE005		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		31,960 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile # 2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PNWS8027							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8 10 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Steve Glasma		Signature Steve Glasma		Month Day Year 8 14 05			
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE016		2. Page 1 of <del>XX</del> 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
				C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No.	Type		
a. Material not regulated by DOT				01	CM	33,190	P
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl <del>XXXXXXXXXXXXXXXXXXXX</del> BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. <div style="text-align: right;">Baker box # PNWS 8041</div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S. A. Mills		Date 8 10 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Steve Glasman				Signature Steve Glasman		Date 8 14 05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE009		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
				C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
				a. Material not regulated by DOT		01 CM 30,220 P	
				b.			
				c.			
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. <span style="float: right;">Conex# PNWS 8094</span>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. MILLS		Date Month Day Year 8 01 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Steve Glasman				Signature Steve Glasman		Month Day Year 8 14 05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	

NON-HAZARDOUS WASTE



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE007		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name NORTHLAND SERVICES		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name NORTHLAND SERVICES		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
				C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		31,730 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.      Conex# PNWS 8113							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
USACE/QR ON BEHALF OF USACE/QR							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S. A. Mills		Date 8/01/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Steve Glasman				Signature Steve Glasman		Date 8/4/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name						Date Month Day Year	
Signature						Date Month Day Year	

NON-HAZARDOUS WASTE MANIFEST



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 042**

**Date or Time Period**  
**Friday August 5, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM/PM: Cloudy, light to moderate precipitation, high winds (sustained +20 MPH with gusts in excess of 40 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

PCB screen testing of concrete slab samples and one soil sample collected at Building 108 and Building 109.

Type of Test	Method/Matrix	Quantity of Samples	Total
PCB Ensys Screen	Concrete/Soil	18	18

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only soil (1) and concrete samples were collected.



### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☒ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Level C PPE utilized by 2 personnel performing concrete sampling.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued concrete slab sampling at Building 109.</li><li>3. Initiate concrete slab sample Ensys screening analyses.</li><li>4. Continued cutting Tram system wires and cables that were removed between the former Lower and Upper Tram buildings.</li><li>5. Continued clean up of Debris Fields #1 and #2 on the Upper Mountain.</li><li>6. Completed removal of all Line Support Towers (#1-#10).</li><li>7. Total personnel: 21.</li></ol>

### Manpower On Site

Personnel	Classification	Friday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-5-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6/ S-7	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200				2				6	6
Ford Lube/Fuel Tk	50-201	9	4	4	7	10			73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2						45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5	2	8				29	48
Marooka MST 2200 Flatbed w/reel	50-352		5.5	10	9	4			60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6/ S-7	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501				10	10			87	121.5
Cat 988B loader w/bucket & forks	50-505		9		3	1			72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10		7					7	12
Cat D8K Winch Cat	51-101	10	2	10					11	20
Hitachi EX300LC Excavator	51-200		11	8	4	10			21.5	41.5
Hitachi EX120 Excavator	51-204		4	10	9				140	164
BobCat					9	10				

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	31	32
Activity: CL000804, Scrap Metal Removal	80.642	132.135	85.11% (212.775)
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	10%	60%	70%
Activity: CL000608, Line Support Tower #1	45%	50%	95%

Activity: CL000609, Line Support Tower #2	45%	50%	95%
Activity: CL000610, Line Support Tower #3	45%	50%	95%
Activity: CL000611, Line Support Tower #4	45%	50%	95%
Activity: CL000612, Line Support Tower #5	45%	50%	95%
Activity: CL000613, Line Support Tower #6	45%	50%	95%
Activity: CL000614, Line Support Tower #7	45%	50%	95%
Activity: CL000615, Line Support Tower #8	45%	50%	95%
Activity: CL000616, Line Support Tower #9	45%	50%	95%
Activity: CL000617, Line Support Tower #10	45%	50%	95%
Activity: CL000702, Clean up of Debris Field #1	20%	10%	30%
Activity: CL000703, Clean up of Debris Field #2	20%	25%	45%

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- High winds, as experienced again today, significantly slowed concrete sample collection.
- Completed CLIN Activities CL000608, CL000609, CL000610, CL000611, CL000612, CL000613, CL000614, CL000615, CL000616, and CL000617.

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Comments:

- None
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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/7/05  
Date

Robin Goebel  
Site Superintendent Signature

8-7-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Tailgate held at 0700 hours under broken overcast skies and persistent moderate-to-strong wind gusts that increased through the day. Despite the today's wind gusts, the crew was applied today to more concrete sampling at Bldg 109. This involved the commencement of the core drilling of a slated 80 + evenly-spaced concrete borings and resultant dust collections for subsequent EnSys analytical testing performed to reveal the presence of PCB's.

As was reported, Crews were also applied to the continued cutting, spooling, and consolidation of the retrieved mountain cables at mtn base; and the Upper mtn debris fields with a separate Marooka. All 10 Tram line Support towers were all completed in cutting and packaging today ( CLIN's No. 608 – 617 ). More QA progress photos obtained.

Tele-link for phone and computer was down intermittently since Wednesday night; it was down throughout this afternoon. The current weather system is reported by SSHO Petersen to be expected to intensify tonight. Crew observed to be taking proper precautions, and are observed to be keeping their feet in the wind

QA Safety Inspections/Observations not noted in above comments:

*SA. Mills* *ALCE* *QAR*  
\_\_\_\_\_  
QAR Signature                      Date                      Supervisor's Initials                      Date  
*07 Aug. '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris (mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000' ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

## SAFETY OBSERVATION REPORT (SOR)

Date: 8/5/05 Time: 10:15

Person Submitting This Report: H. SEPT

Observation: LARGE NUMBER OF FOXES (MATURE AND YOUNG OFFSPRING) IN AFS OPS AREA

& THEIR POTENTIAL CONTACT WITH FIELD PERSONNEL

Action Taken: REVIEW OF HQS PLAN WITH PERSONNEL -  
POINT OUT FOXES POTENTIAL AS RABIES CARRIER

Immediate Corrective Action: INFORMED ALL PERSONNEL WORKING  
IN AREA OF THE PRESENCE OF FOXES

Action to Prevent Recurrence: LIMIT PERSONNEL ACCESS TO AREAS  
IN AFS OPS WHERE DANGERS MAY POSSIBLY ENST

Indirect Cause: CONTACT GENERALLY CHANCE ENCOUNTERS BASED  
ON CURIOSITY OR PRESENCE OF ATTRACTIVE MATERIAL

Corrective Action: RAISED AWARENESS OF PERSONNEL TO  
PRESENCE OF FOXES & POSSIBLE CORRELATION WITH FOOD

Commitment? FOOD TAKEN TO SITE LIMITED BY PERSONNEL  
AND FOXES DISCOURAGED TO COME AROUND WORK AREAS

Further Action or Help Needed? NOPE, FOXES APPEAR TO

STAY IN AFS OPS AREA. NOPE HAVE

BEEN OBSERVED IN CAMP AREA.

Signature: H. M. Sept

**Date:** 08/05/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable, damp rock talus surface  
Level D PPE Laborers and Level C PPE for concrete sampling crew  
Heavy equipment operation---laborer/operator eye contact to communicate presence and proposed laborer's action  
Wind awareness---park into the wind to avoid vehicle doors flying open, be aware of wind direction and speed when opening doors to offices, dining hall, and living spaces  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000804-8

**SS/Lead and No. of workers:** L. MacDonald and (1) operator

**Task to be accomplished:** Removal and containerization of metal scrap from the debris staging area near AFS Ops.

**Observations/Comments:** Observed excavator operations w/hydraulic shear attachment within the footprint of the metals debris area. Metal debris within the area had been previously segregated into like materials. The shear attachment was used to reduce the size of the material, to maximize space and accommodate the greatest possible payload. By reducing the size and shape of the materials being loaded less wear and tare was placed on the container minimizing the potential for punctures. During normal conditions an individual wearing fall protection would secure the doors of the container. Winds at the time were 25-35 mph with gusts to 42 mph. With no immediate need to close the doors of container, it was decided to wait for more favorable conditions. PPE for this task was Level D.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 043**

Date or Time Period  
**Saturday August 6, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Low clouds, stormy, moderate precipitation, high winds (sustained at 20-30 MPH with gusts in excess of 50 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory:  
Initial:  
Follow-up:  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

No sampling. Screen testing of concrete samples from Building 109.

Type of Test	Method/Matrix	Quantity of Samples	Total
PCB Ensys Screen	Concrete	24	42

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only PCB concrete samples were collected.

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☐ No ☒ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

No field work performed today due to adverse weather conditions.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Weather conditions deemed unsafe for field crew operations. Crew in camp, no field work completed today.</li><li>3. Continued concrete slab sample Ensys screening analyses.</li><li>4. Total personnel: 21.</li></ol>



**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-6-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		0	
Hank Seipt	CQCSM		0	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		0	
Larry Pederson	Environmental Sampler		6.5	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		0	
Kim Leach	Driver/Operator		0	
Bill Thorton	Operator		0	
John Wheeler	Operator		0	
Olaf Matson	Driver		0	
Rick Beasley	Mechanic		0	
Troy Whitmore	Oiler/Mechanic		0	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		0	
Sam Mokiyuk	Laborer		0	
Truman Kava	Laborer		0	
Paul Rookok	Laborer		0	
Sylvia Toolie	Office Staff		0	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200				2				6	6
Ford Lube/Fuel Tk	50-201	9	4	4	7	10			73.5	97.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								1	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								78.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2						45	65
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5	2					29	48
Marooka MST 2200 Flatbed w/reel	50-352		5.5	10	9	4			60	84.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								0	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501				10	10			87	121.5
Cat 988B loader w/bucket & forks	50-505		9		3	1			72	98
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								31.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10		7					7	12
Cat D8K Winch Cat	51-101	10	2	10					11	20
Hitachi EX300LC Excavator	51-200		11	8	4	10			21.5	41.5
Hitachi EX120 Excavator	51-204		4	10	9				140	164
BobCat					9	10				

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

Field work cancelled today due to adverse weather conditions.

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	32	33
CLIN 8	48.053	212.775	260.828 Tons
CLIN 9	2.55	17.753	20.303 Tons
CLIN 14 & 15		188.67	188.67 Tons
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	10%	60%	70%

Activity: CL000702, Clean up of Debris Field #1	20%	10%	30%
Activity: CL000703, Clean up of Debris Field #2	20%	25%	45%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Adverse weather conditions (high winds and moderate precipitation) resulted in cancellation of work operations for the day.

Summary of Materials Removed and Weighed as of August 6, 2005:

**CLINs 14 and 15 (Soil Removal)**

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
<b>Total</b>	<b>188.67</b>	200 tons in scope of work

**CLINs 10 and 16 (Concrete Removal)**

Date Weighed	Tonnage	Location
July 8	62.595	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
July 30	8.07	
<b>Total</b>	<b>163.115</b>	Lump Sum/Square Foot Removed

**CLIN 8**

Date Weighed	Tonnage	CLIN Activity
July 30	9.053	802
<b>Sub Total</b>	<b>9.053</b>	<b>Cargo Beach Debris</b>
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
July 25	57.262	804
July 29	14.095	804
July 30	80.642	804
August 4	10.385	804
<b>Sub Total</b>	<b>224.015</b>	<b>Scrap Metal AFS Ops Area</b>
July 14	27.76	806
<b>Sub Total</b>	<b>27.76</b>	<b>Cummins Engines</b>
<b>Total CLIN Tonnage</b>	<b>260.828</b>	

**CLIN 9**

Date Weighed	Tonnage	CLIN Activity
7/21	12.64	911 & 913
<b>Sub Total</b>	<b>12.64</b>	<b>Armored Cable AFS Ops Area</b>
7/29	5.113	909
<b>Sub Total</b>	<b>5.113</b>	<b>Debris from Landfill face AFS Ops Area</b>
<b>Total CLIN Tonnage</b>	<b>17.753</b>	

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Comments:

- None
- 

**COMPLETED CLIN FIELD ACTIVITIES**

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/7/05  
Date

Robert E. Lohel  
Site Superintendent Signature

8-7-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The low pressure weather system initially described in the Thursday, 04 August Daily Report No. 41, intensified with intermittent precipitation through Friday evening and today. Contractor wind meter is capable of measure to 50 knots; Wind gusts of the last 48 hours have max'ed this meter out. No field work possible this day. Crew was confined to quarters and shall take this day "off"; Sampler conducted EnSys screening of previously obtained concrete samples. Should winds lay-down tomorrow Sunday, crew shall re-mobilize to the field.

Although not listed in the summaries, the steel pole line , initially described to be pole line "C" in the plan, was accomplished 2 weeks ago but is not posted as extra work accomplished in this Report.

QA Safety Inspections/Observations not noted in above comments:

*B. A. Mills* *ALOE* *ZGAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*08 Aug. '05*



## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 044**

**Date or Time Period**  
**Sunday August 7, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 60-65

AM: Low clouds, light precipitation, moderate winds (sustained at 10-20 MPH). Mid AM/PM: Partly cloudy to sunny, light winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Screen testing of concrete samples from Building 109, and soil samples (one each) from Site 13C, Site 13D, and sample 109 at Room F of Building 1001 MEC.

Type of Test	Method/Matrix	Quantity of Samples	Project Total
PCB Ensys Screen	Concrete/Soil	54	96

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Samples analyzed on August 4 (18), 5 (24), and 7 (54). Paperwork prepared and samples packed for shipment on August 8.

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	18, 24, & 54	96

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only PCB concrete samples were collected.

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☒ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Level C PPE utilized by 2 personnel performing concrete sampling.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed concrete sampling of the slab at Building 109.</li><li>3. Completed concrete slab sample Ensys screening analyses.</li><li>4. Completed removal of Pole Group C.</li><li>5. Completed removal of thermo-anchors northwest of AFS Ops.</li><li>6. Continued clean up of Debris Fields #1 and #2 on the Upper Mountain.</li><li>7. Excavated additional soil (approximately 12 tons) at Site 13C, Site 13D, and at one point below the concrete slab at Room F of Building 1001 MEC.</li><li>8. Continued removal of collected debris stockpiled at the lower tank area at AFS Ops.</li><li>9. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Sunday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-7-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		18	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200				2			2	6	8
Ford Lube/Fuel Tk	50-201	9	4	4	7	10	6	40	97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329							0	96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330		2					2	65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351		5	2			9	16	48	64
Marooka MST 2200 Flatbed w/reel	50-352		5.5	10	9	4	10	38.5	84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8

Equipment Type	BEESC Number	M-1	T-2	W-3	TH-4	F-5	S-6	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501				10	10	3	23	121.5	144.5
Cat 988B loader w/bucket & forks	50-505		9		3	1	3	16	98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800							0	41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	10		7			2	19	12	31
Cat D8K Winch Cat	51-101	10	2	10				22	20	42
Hitachi EX300LC Excavator	51-200		11	8	4	10	4	37	41.5	78.5
Hitachi EX120 Excavator	51-204		4	10	9		11	34	164	198
BobCat					9	10		19	0	19

Materials Received to be Used on or Incorporated into Site

Miscellaneous vehicle and equipment parts arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	33	34
CLIN 8	48.053	212.775	260.828 Tons
CLIN 9	2.55	17.753	20.303 Tons
CLIN 14 & 15		188.67	188.67 Tons
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	10%	60%	70%

Activity: CL000702, Clean up of Debris Field #1	10%	30%	30%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%
Activity: CL000905, Pole Group C			95%
Activity: CL000901, Thermo-Anchor			95%
Activity: CL001501, Excavate Additional PCB-Contaminated Soil			95%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activities CL000901, CL000905 and CL001501.

Summary of Materials Removed and Weighed as of August 6, 2005:

**CLIN 8**

Date Weighed	Tonnage	CLIN Activity
July 30	9.053	802
<b>Sub Total</b>	<b>9.053</b>	<b>Cargo Beach Debris</b>
July 14	15.841	804 (CAT)
July 16	12.125	804
July 19	22.04	804
July 21	10.77	804 (Boiler)/Asbestos Containing Material
July 25	57.262	804
July 29	14.095	804
July 30	80.642	804
August 4	10.385	804
<b>Sub Total</b>	<b>224.015</b>	<b>Scrap Metal AFS Ops Area</b>
July 14	27.76	806
<b>Sub Total</b>	<b>27.76</b>	<b>Cummins Engines</b>
<b>Total CLIN Tonnage</b>	<b>260.828</b>	

**CLIN 9**

Date Weighed	Tonnage	CLIN Activity
7/21	12.64	911 & 913
<b>Sub Total</b>	<b>12.64</b>	<b>Armored Cable AFS Ops Area</b>
7/29	5.113	909
<b>Sub Total</b>	<b>5.113</b>	<b>Debris from Landfill face AFS Ops Area</b>
<b>Total CLIN Tonnage</b>	<b>17.753</b>	

**CLINs 10 and 16 (Concrete Removal)**

Date Weighed	Tonnage	Location
July 8	62.595	Bldg 1001 MEC
July 10	63.38	Bldg 1001 MEC, Bldg 108 & Bldg 109
July 16	15.10	Bldg 110
July 19	13.97	Bldg 110
July 30	8.07	
<b>Total</b>	<b>163.115</b>	<b>Lump Sum/Square Foot Removed</b>

**CLINs 14 and 15 (Soil Removal)**

Date Weighed	Tonnage	Location
July 14	30.53	Bldg 1001 MEC (Site 31)
July 15	33.415	Bldg 1001 MEC
July 16	47.035	Bldg 110 (Site 14)
July 18	49.08	Bldg 110 and Bldg 98 (Site 14)
July 21	11.63	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7E and Site 13E)
July 22	16.98	Bldg 110 and Site 7 (includes CLIN 15 additional soil excavation at Site 7A)
<b>Total</b>	<b>188.67</b>	200 tons in scope of work

**Comments:**

- None

**COMPLETED CLIN FIELD ACTIVITIES**

<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>	<b>Activity</b>	<b>Date Completed</b>
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/8/05  
Date

Rollie Seibel  
Site Superintendent Signature

8-8-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

High winds have laid down for the first time in 3 days; Crew worked today due to the inclement weather causing the day – "off" yesterday Sunday, 07 August. After the 0700 hours Safety Tailgate Mtg, work accomplished today as reported under familiar overcast skies within light-to-moderate winds. More cables and debris, cut-up, spooled, gathered, and/ or packaged about both the Upper and Lower Mtn zones; additional PCB soils excavated at 3 points at Site 13 ( Bldg 1001 MEC ), and concrete samples obtained at Bldg 109.

EnSys screening results of all recently-obtained concrete and soils samples reveal a negative field test response for 5 PPM level of PCB's. This is good as it "cleans-up" these soil pits and slabs. More QA photos obtained. CLIN's 901, 905 and 1501 for the Poleline "C" and thermo-anchors completion, and the extra PCB-contaminated soil excavations accomplished.

Weekly Tele-Conference slated for tomorrow Mon., 08 Aug., at 0900 hours ( Moved-up from the typical Tuesday Mtg day due to ACoE PM schedule commitments ). Weather reports reveal another Low-pressure front with substantial winds, headed North through the Bering Sea to arrive later tonight.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ALOE* *QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*09 Aug, '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)



**Date:** 08/07/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with steep slopes, unstable, damp rock talus surface  
Level D PPE Laborers and Level C PPE for concrete sampling crew  
Heavy equipment operation---importance of communication, radius of swing arc on track hoe  
Wind velocity---no specified limits in SSHP, but will be monitored on the Upper Mountain to determine the feasibility of working (safely)  
General site safety rules reviewed

**Worksite ID/Clin No:** CL001601-16

**SS/Lead and No. of workers:** L. Pederson and Hank Seipt

**Task to be accomplished:** Collect (possible PCB contaminated) concrete samples from the foundation of former bldg 109.

**Observations/Comments:** Arrived at the site of the pad 109 where the collection of samples was in progress. Each sample required a minimum of 50 grams of concrete powder. Utilizing an electric drill, 31 separate locations were sampled. As many as 11 pilot holes were required to achieve the 50 gram minimum. Bits were decontaminated using Alconox and distilled water after each use to prevent the possibility of cross contamination. PPE utilized during the collection of samples was Level C with nitrile chemical resistant gloves. The chemical resistant suit wasn't worn due to wind conditions and threshold level of the concrete to be sampled.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 045**

**Date or Time Period**  
**Monday August 8, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 55-60

Temp High: 60-65

AM/PM: Sunny, high winds (sustained at +/- 25 MPH with gusts in excess of 40 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory:

Initial:

Follow-up:

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Screen testing completed on 8/7.

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Samples analyzed on August 4 (18), 5 (24), and 7 (54). Paperwork prepared and samples packed for shipment on August 8. To be shipped on next air charter flight.

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	18, 24, & 54	96

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only PCB concrete samples were collected.

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☐ No ☒ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Field work cancelled for the day due to adverse weather conditions that created a safety hazard to field personnel.

Call out time and training completed in camp.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Field activities cancelled due to adverse weather conditions.</li><li>3. Completed mountaineering training for Debris Field #1 work on the Upper Mountain.</li><li>4. Completed preparations for sample shipment to analytical laboratory.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-8-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		4	
Hank Seipt	CQCSM		4	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		4	
Larry Pederson	Environmental Sampler		4	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		4	
Kim Leach	Driver/Operator		4	
Bill Thorton	Operator		4	
John Wheeler	Operator		4	
Olaf Matson	Driver		4	
Rick Beasley	Mechanic		4	
Troy Whitmore	Oiler/Mechanic		4	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		4	
Sam Mokiyuk	Laborer		4	
Truman Kava	Laborer		4	
Paul Rookok	Laborer		4	
Sylvia Toolie	Office Staff		4	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							2	6	8
Ford Lube/Fuel Tk	50-201							40	97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329							0	96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							2	65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351							16	48	64
Marooka MST 2200 Flatbed w/reel	50-352							38.5	84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8

Equipment Type	BEESC Number	M-9	T-9	W-103	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501							23	121.5	144.5
Cat 988B loader w/bucket & forks	50-505							16	98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800							0	41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100							19	12	31
Cat D8K Winch Cat	51-101							22	20	42
Hitachi EX300LC Excavator	51-200							37	41.5	78.5
Hitachi EX120 Excavator	51-204							34	164	198
BobCat								19	0	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

Sustained high winds caused cancellation of field activities.

**Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	34	35
CLIN 8	48.053	212.775	260.828 Tons
CLIN 9	2.55	17.753	20.303 Tons
CLIN 14 & 15		188.67	188.67 Tons
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	20%	50%	70%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	10%	60%	70%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	10%	60%	70%

Activity: CL000702, Clean up of Debris Field #1	10%	30%	40%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- No field work completed due to adverse weather conditions.

Comments:

- None

#### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05						



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Segit  
CQCSM Signature

8/9/05  
Date

Rollie Stadel  
Site Superintendent Signature

8-9-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours morning Safety Tailgate Mtg conducted under adverse conditions similar to the prior Saturday. Strong winds in evidence through the prior evening that increased in severity through the day – the result of a large low pressure system serving the Bering Sea from the South. Mountaineering & harness class conducted by the SSHO for those nominated crew members in the morning in anticipation of the eventual mountain slope hand-pick debris recovery work. More work in PCB sampling analysis conducted. Winds serve to interrupt the tele-link on many occasions.

Although not mentioned in this report, the Weekly Tele-Conference, moved from Tuesday to this day by ACoE PM Carey Cossaboom, was attempted at 0900 hours but apparent weather difficulties made the tele-link impossible. In alternative attempt, the BEESC Supt and QAR completed a sat-phone link temporarily from different locations along the access road from the Supt pickup truck. The minimum in update info was transmitted before that link was permanently interrupted also.

No field work today – winds became steady and max'ed out the camp wind meter ( in excess of ) 50 knots. It is hoped winds shall lay down for the anticipated regional Gambell/ Savoonga rep's visitors tour slated for tomorrow Tuesday, at 1230 hours.

QA Safety Inspections/Observations not noted in above comments:

B.A. Mills ALB QAR  
\_\_\_\_\_  
QAR Signature      10 Aug. 2005      Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 046**

Date or Time Period  
**Tuesday August 9, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Partly cloudy to sunny, high winds (sustained at +/- 25 MPH with gusts in excess of 35 MPH), moderate to heavy precipitation in PM.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Weighed soil excavated on 8/7.</li><li>3. Continued cutting, removing and loading (into connexes) cables and wire from the Tram system.</li><li>4. Continued loading scrap steel into connexes at the lower tank area.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Tuesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-9-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	



**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	8
Ford Lube/Fuel Tk	50-201		7						97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351								48	64
Marooka MST 2200 Flatbed w/reel	50-352		11						84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501		11						121.5	144.5
Cat 988B loader w/bucket & forks	50-505		1						98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4						41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								12	31
Cat D8K Winch Cat	51-101								20	42
Hitachi EX300LC Excavator	51-200		10						41.5	78.5
Hitachi EX120 Excavator	51-204		10						164	198
BobCat									0	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

Today's sustained winds and stormy conditions prevented work on the Upper Mountain and slowed field work.

**Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	35	36
CLIN 8	48.053	212.775	260.828 Tons
CLIN 9	2.55	17.753	20.303 Tons
CLIN 14 & 15	15.3	188.67	203.97
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000502, , Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000509, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000511, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000513, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000515, Removal of 0.5' Diameter Steel Cable between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	20%	70%	90%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	20%	70%	90%

Activity: CL000702, Clean up of Debris Field #1	10%	30%	40%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Sustained winds and stormy weather restricted work to the lower mountain area.

Comments:

- None

#### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05						

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Hyatt M. Sejit  
CQCSM Signature

8/10/05  
Date

Rollin Gehl  
Site Superintendent Signature

8-10-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Safety Tailgate held at 0700 hours under familiar overcast conditions, wet grounds, and increased winds. The predicted new storm front arrived last night bringing continued winds with rain through the prior evening and today. Crews once again outfitted for rain.

Tele-links for phone and computer went down about 0900 hours this morning and were out all day and evening for portions of the camp. Crews were oriented towards debris collection, cables cutting and packaging/ weighing today. Crews were able to withstand the wind with proper stances and buddy system handling procedures; lots of cable cut-up today. The regional rep's Gambell/ Savoonga visitors tour, re-scheduled for today at 1230 hours, was once again cancelled due to the weather. It shall be re-scheduled at a date TBD.

More QA photos obtained .

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ACE/GAR*

\_\_\_\_\_  
GAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*11 AUG. '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long, ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 047**

Date or Time Period  
**Wednesday August 10, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Partly cloudy to cloudy, windy (10-20 MPH), light precipitation. PM: Partly cloudy, sun breaks, light winds, no precipitation.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Completed cutting, removing and loading (into connexes) cables and wire from the Tram system.</li><li>3. Continued loading scrap steel into connexes at the lower tank area.</li><li>4. Removed and disposed of concrete utilidor foundation pedestals.</li><li>5. Removed coiled 1" wire that was located near Tram Tower #1.</li><li>6. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Wednesday	Hours	Off Island
<b>BEESC</b>		<b>8-10-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Ken Steel	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	8
Ford Lube/Fuel Tk	50-201		7	7					97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			6					48	64
Marooka MST 2200 Flatbed w/reel	50-352		11						84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501		11	11					121.5	144.5
Cat 988B loader w/bucket & forks	50-505		1	1					98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4	3					41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								12	31
Cat D8K Winch Cat	51-101								20	42
Hitachi EX300LC Excavator	51-200		10	10					41.5	78.5
Hitachi EX120 Excavator	51-204		10	10					164	198
BobCat									0	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

Today's sustained winds and stormy conditions prevented work on the Upper Mountain and slowed field work.

Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	36	37
CLIN 8			260.828 Tons
CLIN 9			20.303 Tons
CLIN 14 & 15			203.97
Activity: CL000501, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000502, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000503, Removal of 2" Diameter Armored Wire between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000504, Removal of 2.25" Diameter Armored Wire between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000505, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000506, Removal of 1.25" Diameter Steel Support Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000507, Removal of 0.75" Diameter Black Wire between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000508, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000509, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000510, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000511, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000512, Removal of Wire Bundle (3 Wires) between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000513, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000514, Removal of 1.25" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000515, Removal of 0.5" Diameter Steel Cable between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000516, Removal of 0.5" Diameter Black Wire between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000517, Removal of #14 Black Wire between L. and U. Mtn Tram Bldg	5%	90%	95%
Activity: CL000518, Coiled 1" Diameter Black Wire near Tram Tower #1	5%	90%	95%

Activity: CL000702, Clean up of Debris Field #1	10%	30%	40%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Note: CLIN Activity CL000618 was completed on 7/25/05. It was erroneously listed in the Project Summary to Date on August 3 and August 4.
- Completed CLIN Activities CL000501 through CL000518 and CL000915

Comments:

- None

#### COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/11/05  
Date

Rollie Rachel  
Site Superintendent Signature

8-11-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Tailgate Mtg was held under familiar overcast skies with intermittent morning showers and decreasing wind gusts that let-up by afternoon. Work continued on the AFS Ops areas cantonment as reported in cable cutting, spooling, packaging, and debris steel cutting, packaging and weighing. Crew observed to continue to be following standard safety recommendations.

No visitors today. No QA photos today as we are in a redundant work mode represented well in example in prior photos.

QA Safety Inspections/Observations not noted in above comments:

*S.A. MULL* *ACE/QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*12 Aug, '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/10/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet surfaces and windy conditions  
Level D PPE Laborers  
High winds---if possible in a high wind environment, park into the wind to prevent car door damage, limit overhead loft work, expect reduced visibility especially if wind is in conjunction with precipitation, use rain gear, and remember to keep hydrated.  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000501-518

**SS/Lead and No. of workers:** L. MacDonald and (7) additional laborers/operators.

**Task to be accomplished:** Collect, cut and stow cables associated with tram/support towers.

**Observations/Comments:** This report is a continuation of the safety log of 08092005. Equipment used during the completion of this task: ATV's, (2) Morooka tracked vehicles, front end loader and excavator. The reminding pre-cut sections of cable from previous day's activities were stowed in a cargo container. A few lengths of cable did required coiling utilizing the Morooka with cable spooling attachment. Sections of cable (approximately 10-50 feet), pieces of cable and general debris were collected by the labor crew on All Terrain Vehicles (ATV's). All personnel maintained the proper level of PPE for the assigned task, level D.

## SAFETY OBSERVATION REPORT (SOR)

Date: 8/10/05 Time: 7:00

Person Submitting This Report: BILL THORNTON/RECORDED BY H. SEPT

Observation: LABORERS STRADDLING CABLE DURING CUTTING OPERATION/COILING IF MOROOKA REQUESTED

DIRECTION DURING COILING CABLE, THE CABLE COULD RISE AS A RESULT OF TENSION AND CAUSE A GROUND INJURY  
Action Taken: MEEETING WITH LABORERS SET TO TALK OVER SUBJECT

Immediate Corrective Action: STRADDLING OF CABLE/WIRE NO ALLOWED DURING SPOOLING/WIRE COILING OPERATIONS

Action to Prevent Recurrence: TRAINING OF CREW

Indirect Cause: LACK OF KNOWLEDGE/AWARENESS BY CREW MEMBERS

Corrective Action: NO STRADDLING OF CABLES/LINES ALLOWED

Commitment? STRONG HIGH POTENTIAL FOR SIGNIFICANT INJURY

Further Action or Help Needed? NO — OTHER THAN TO

OBSERVE CREW MEMBERS WHILE WORKING

TO AVOID COMPLAINTS

Signature: H. M. Sept

### SAFETY OBSERVATION REPORT (SOR)

Date: August 10, 2005 Time: 7:00

Person Submitting This Report: BILL TIBERTON / RECORDED BY H. SEPT

Observation: MOTOR DISENGAGEMENT SHOULD BE IMPLEMENTED WHEN MOROOKA SPOOLING OPERATION IS OCCURRING (DROPPING ROLLED SPOOL)

Action Taken: MOROOKA SPOOLING CREW GATHERED & PROBLEM ADDRESSED

Immediate Corrective Action: METING WITH CREW

Action to Prevent Recurrence: DISENGAGE / IDLE DOWN MOROOKA MOTOR

Indirect Cause: CREW INATTENTION

Corrective Action: CREW TRAINED TO MAKE SURE MOROOKA ENGINE DISENGAGE / IDLE DOWN WHEN SPOOL TO BE DROPPED

Commitment? STRONG. POTENTIAL HAZARD THAT COULD CAUSE A SERIOUS INJURY

Further Action or Help Needed? NO. INFORMATION ABOUT THE PROBLEM AND WAYS TO RECTIFY IT DISCUSSED TO MOROOKA CREW.

Signature: H. M. Sept



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 048**

Date or Time Period  
**Thursday August 11, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 50-55

AM: Partly cloudy, sun breaks, calm winds.

PM: Partly cloudy, sun breaks, light winds, no precipitation.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Site orientation completed by SSHO with the new PA (Atkinson).

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. 1 Fairweather personnel (Atkinson) arrived and 1 Fairweather personnel (Steel) departed island.</li><li>3. Removed residual debris along the former Tram Line between Site 32 and the Upper Mountain.</li><li>4. Removed the Water Line on the hillside between Site 32 and the Upper Mountain.</li><li>5. Removed westerly trending armored cable trending located in the vicinity of Building 98.</li><li>6. Continued plasma cutting of scrap metal.</li><li>7. Continued loading of scrap metal into connexes.</li><li>8. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Thursday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-11-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>DOT</b>				
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	8
Ford Lube/Fuel Tk	50-201		7	7	4				97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329				7				96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			6	3				48	64
Marooka MST 2200 Flatbed w/reel	50-352		11						84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501		11	11	11				121.5	144.5
Cat 988B loader w/bucket & forks	50-505		1	1	5				98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4	3					41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								12	31
Cat D8K Winch Cat	51-101				10				20	42
Hitachi EX300LC Excavator	51-200		10	10	3				41.5	78.5
Hitachi EX120 Excavator	51-204		10	10	6				164	198
BobCat									0	19

Materials Received to be Used on or Incorporated into Site

Miscellaneous small parts arrived via air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	37	38
CLIN 8			260.828 Tons
CLIN 9			20.303 Tons
CLIN 14 & 15			203.97
Activity: CL000910, Armored Cable			95%
Activity: CL000619, Water Line			95%
Activity: CL000702, Clean up of Debris Field #1	10%	30%	40%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activities CL000910 and CL000619.
- Fairweather replaced PA Steel with PA Atkinson.

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Comments:

- None
-

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Sept  
CQCSM Signature

8/12/05  
Date

Rollin' Laabel  
Site Superintendent Signature

8-12-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The morning Safety Tailgate Mtg was held at 0700 hours under overcast skies that persisted with light gusty winds through the day. Some broken clouds for sunshine at mid-day, but fog persisted on the mtn-top. Crews were applied to the lower mtn slope to pull the water line off of the mtn; some hand-picked debris also removed from the mtn slope; also a lengthy cable situated in the tundra West of Bldg 98. More debris steel cut-up, packaged, weighed and transported to the staging area.

The Clin's No. 619 and 910 for the water line and the armored cable West of Bldg 98 checked off as complete in recovery. Cutting and packaging underway. Although not mentioned in this report, regional visitors from the island towns of Gambell and Savoonga were anticipating a possible visit today, but weather was not conducive to a mid-day flight. Another attempt slated for tomorrow Friday, 12 August.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ACE* *QAR*  
\_\_\_\_\_  
QAR Signature      13 Aug. 2008      Date      Supervisor's Initials      Date

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/11/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet surfaces and windy conditions  
Level D PPE Laborers  
Upper Mountain travel---be aware of possible road deterioration, i.e., washouts, rock slides, debris on the road, etc.  
Upper Mountain work---rappel equipment use  
Harness use---must be utilized when closing uplifted connexes.  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000619-6

**SS/Lead and No. of workers:** L. MacDonald and (2) additional laborers/operators.

**Task to be accomplished:** Remove, package and transport water pipe from upper mountain area.

**Observations/Comments:** Retrieval of the water pipe required the use of a bull dozer and an ATV. The bull dozer and ATV set out from the lower tram area to a point in the wash approximating the former location of tower 3. At this point the operator of the ATV started an ascent on foot towards an end of the water pipe. After rigging, the water pipe was ready to be towed. Prior to the commencement of the tow the additional hazard of falling rocks was briefed. The operator of the ATV descended the mountain and remained in a safe area adjacent to the line of pull. After the completion of the tow the water pipe was staged awaiting cutting and packaging for shipment off island. (3) Additional trips up the mountain were made to collect sections of pipe and water pipe associated hardware. PPE D was the prescribed level of personnel protective clothing for this task. All personnel were in the required PPE.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 049**

Date or Time Period  
**Friday August 12, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Partly cloudy, sun breaks, calm to light winds, fog on Upper Mountain.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Cut up and placed in a connex the Water Line removed from the hillside between Site 32 and the Upper Mountain.</li><li>3. Initiated removed of debris at the Site 7 landfill.</li><li>4. Continued plasma cutting of scrap metal.</li><li>5. Continued loading of scrap metal into connexes.</li><li>6. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Friday	Hours	Off Island
<b>BEESC</b>				
		<b>8-12-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	



**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	8
Ford Lube/Fuel Tk	50-201		7	7	4	8			97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329				7	2			96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			6	3				48	64
Marooka MST 2200 Flatbed w/reel	50-352		11			7			84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501		11	11	11	11			121.5	144.5
Cat 988B loader w/bucket & forks	50-505		1	1	5				98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4	3		3			41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								12	31
Cat D8K Winch Cat	51-101				10				20	42
Hitachi EX300LC Excavator	51-200		10	10	3	9			41.5	78.5
Hitachi EX120 Excavator	51-204		10	10	6	10			164	198
BobCat									0	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	38	39
Activity: CL000807, Debris Removal at Site 7	20%	0	20%
Activity: CL000702, Clean up of Debris Field #1	10%	30%	40%
Activity: CL000703, Clean up of Debris Field #2	10%	45%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- None

Comments:

- None

Summary of Tonnage Weighed by CLIN as of 8/12/05 for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	6.35
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>29.37</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	
CL000802	Cargo Beach Debris	30	22.26
CL000803	Cargo Beach Road Debris	5	18.3
CL000804	Tank Areas	280	281.54
CL000805	Chevy Blazer	3	
CL000806	Cummins Engines	36	27.55
CL000807	Site 7 Landfill	50	2.99
<b>TOTAL</b>		<b>405</b>	<b>352.64</b>

<b>CLIN 9 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	49.29
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>125.01</b>

<b>CLIN 14 &amp; 15 ACTIVITIES</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>205.16</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/13/05  
Date

Robert E. Eichel  
Site Superintendent Signature

8-13-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate Mtg was held under familiar overcast skies with light breezes and a heavy fog on the mountain each of which persisted throughout the day. Crews were applied again to the cutting up and packaging of the staged mountain steel pipe water line, and the staged steel tanks and other debris. Also, the QAR observed the commencement of the exploration of the East side of Site 7. Some mountain access road improvement was discussed for possible mtn-top access & work this weekend.

Conditions remained foggy at mid-day and reportedly at Gambell; also there is reportedly a large forest fire in the Galena vicinity that is creating interruptive smoke conditions throughout the NorthCentral region. Fairbanks is reportedly inundated in heavy smoke; one Nome-based air carrier reportedly returned to Nome shortly after becoming airborne in the Norton Sound vicinity. There is no obvious evidence of smoke at the NE Cape. Reportedly the forest fires, as well as many reportedly medical evacuations from remote towns, have preoccupied the vicinity air carriers. The planned regional visitors visit/ tour is once again cancelled probably 'til sometime next week.

QA photos obtained.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ALCE/QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*14 Aug., '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/12/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet surfaces and windy conditions  
Level D PPE Laborers  
Upper Mountain work---for rappel operations verify condition of equipment to ensure all is in proper working order, check anchoring system, and check line brake.  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000619-6

**SS/Lead and No. of workers:** L. MacDonald and (7) additional laborers/operators.

**Task to be accomplished:** Cut and package water pipe from upper mountain area.

**Observations/Comments:** The crew, assembled, briefed and commenced work at the site of the staged water pipe location. The excavator w/hydraulic shear attachment was utilized to cut the water pipe into sections. The crew collected the sections for placement in a cargo container. After stowage of the last section the container proceeded to the scale. The container was weighed, staged awaiting additional material and follow on transport off island. All personnel maintained the proper level of PPE for the duration of the assigned task, PPE level D.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 050**

**Date or Time Period**  
**Saturday August 13, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 50-55

Temp High: 55-60

AM/PM: Partly cloudy, high overcast, calm winds, partly cloudy to /foggy conditions on the Upper Mountain.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: No  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Project Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Mountaineering procedures initiated to facilitate clean up of Debris Field #1 on the Upper Mountain. SSHO Petersen providing personnel field training for operation.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued removal of debris from Debris Field #1 on the Upper Mountain.</li><li>3. Consolidated dispersed debris into numerous small stockpiles for subsequent removal along the perimeter of the Site 7 landfill.</li><li>4. Emptied and removed one 55-gallon drum of suspected oil encountered at the Site 7 landfill.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
		<b>8-13-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								6	8
Ford Lube/Fuel Tk	50-201		7	7	4	8	1		97.5	137.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329				7	2	2		96.5	96.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								65	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			6	3		8		48	64
Marooka MST 2200 Flatbed w/reel	50-352		11			7	7.5		84.5	123
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501		11	11	11	11	4		121.5	144.5
Cat 988B loader w/bucket & forks	50-505		1	1	5				98	114
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4	3		3			41.5	41.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100						8		12	31
Cat D8K Winch Cat	51-101				10				20	42
Hitachi EX300LC Excavator	51-200		10	10	3	9	20		41.5	78.5
Hitachi EX120 Excavator	51-204		10	10	6	10	10		164	198
BobCat									0	19

Materials Received to be Used on or Incorporated into Site

Miscellaneous vehicle/equipment parts arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



**Progress Tracking Table**

<b>PROJECT SUMMARY TO DATE</b>			
<b>Item</b>	<b>Today's Total (Units)</b>	<b>Previous Total</b>	<b>Project Total</b>
Activity: CL000401, Field Overhead	1	39	40
Activity: CL000807, Debris Removal at Site 7	5%	20%	25%
Activity: CL000702, Clean up of Debris Field #1	10%	40%	50%
Activity: CL000703, Clean up of Debris Field #2	0%	55%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- An apparently oil-filled drum was encountered during the debris consolidation activities at Site 7. The liquid in the drum will be field-screened for the presence of PCBs.

Comments:

- None

Summary of Tonnage Weighed by CLIN as of 8/12/05 for Pay Units Denominated in Tons

<b>CLIN 5 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

<b>CLIN 7 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	10.21
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>33.23</b>

<b>CLIN 8 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000801	Welder	1	0
CL000802	Cargo Beach Debris	30	22.26
CL000803	Cargo Beach Road Debris	5	18.3
CL000804	Tank Areas	280	287.4
CL000805	Chevy Blazer	3	0
CL000806	Cummins Engines	36	27.55
CL000807	Site 7 Landfill	50	13.73
<b>TOTAL</b>		<b>405</b>	<b>369.24</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	49.29
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>125.01</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>205.16</b>

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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/14/05  
Date

Rollie E. Gabel  
Site Superintendent Signature

8-14-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate Mtg was held under familiar overcast skies, light wind conditions and a heavy fog on the mountain, but the mtg pronounces that some minor mountain access road repair shall be accomplished, after which most of the crew shall be sent to the mtn-top. . There was an early morning shower which has dampened the vicinity grounds so the rocks were slippery.

As per the approved Safety Plan, a procedural review in harnessing and hazards analysis had already been accomplished for the crew on the weather day - last Saturday. Today, a quick safety briefing was given atop the mtn at Site 34 for the belay/ rappel crew before the slope work commenced. QAR monitored progress in this debris recovery action which occurred despite a rolling fog and mist. Lots of debris recovered off the steep slope from the mtn top belay lines which supported two capable independent rappellers.

Improvised custom polyethelene sleds with heavy duty polyethylene ( HDPE ) sled runners were used to transport debris from the slope to the mtn-top. SSHO Toby Petersen was on-hand to direct the activity ( Due to his 20 year US Navy /EOD response tenure, Mr. Petersen is heavily accomplished in belay/ rapple harnessing, lining, and knots ). The rapelers were tied off topside at the D-8 dozer. When loaded with debris by the rapelers, the ATV's, and a Marooka was used to winch the custom sleds up the slope.

The QAR also investigated progress at both the East & West sides of the Site 7 landfill. Lots of heavy debris brought to the Site 7 staging area where cutting continued. On the West slope, more exposed heavy debris was isolated to piles as priority debris. The QAR inspected a rusting oil-filled 55 gallon drum that was partially lodged within the West slope berm and was slightly torn by the excavator. The drum is observed to be generally intact with the exception of the portion that was exposed to the elements. Visual inspection reveals this oil to look like a simple motor oil. The Ktr shall pump this product into a disposal drum, shall mix some of the oil with a parcel of soil for sampling, and shall perform an EnSys test on it to determine the presence of PCB's.

Whether a waste oil-or-not; if the oil is void of the presence of PCB's, then our procedure is simplified. If void of PCB's, the oil may be considered to be a simple motor oil. It may be taken to the on-site oil burner, and burned off as a means to disposal. If this oil possesses some content of PCB's, it is

probably an electrical transformer cooling oil. If this is a case, the PDT should be aware of the following point as concerns our current contract:

Currently, the Contractor may be able to handle a drum or two of a PCB-contaminated oil but no more; and possibly current funding would be able to accommodate the potential discovery. It should be noted the contract currently possesses no provision for the discovery, collection and transport of PCB-liquids. Should several drums of PCB-oil be discovered as Site 7 is cleaned-up, Ktr simply does not possess the recovery and transport empty drums on-site to handle these volumes. PDT would have to arrive at a solution to this issue especially if these drums are slightly torn and therefore these contents exposed by the excavator as this one was.

Both the mtn-top crews and the small crew at Site 7 did an outstanding job today. QA photos obtained. QAR is informed the weather forecast looks good for tomorrow Sunday, 14 August – the standard “off”-day of the 7 day week. The “off”-day is therefore cancelled; QAR is informed the crew shall work tomorrow at Sites 7 and mtn-top Sites 33 & 34, also, as will the QAR.

QA Safety Inspections/Observations not noted in above comments:

BA. Mills     ABE/QAR

QAR Signature

Date

Supervisor's Initials

Date

15 Aug. '05

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/13/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet surfaces and windy conditions  
Level D PPE Laborers  
Upper Mountain rappel work---Level D PPE with the addition of shin guards  
Upper Mountain debris removal work---watch for sharp objects and handle in a safe manner to avoid cuts or abrasions, also watch for wood with imbedded nails to avoid puncture wounds when handling debris or walking over the site  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000702-7

**SS/Lead and No. of workers:** L. MacDonald and (7) additional personnel.

**Task to be accomplished:** Remove, package and transport debris from North facing slope of the upper mountain facilities, Debris field #1.

**Observations/Comments:** The removal of debris from the north facing slope required the use of rappelling equipment in order to maintain stationary positioning and provide enhanced fall protection due to the steep slope/grade. A bull dozer was utilized as a dead man for the purpose of anchoring the rappel lines. (2) Anchors per individual station were used. Each roper was equipped with an ascender which allowed hands free movement to collect debris and assisted topside personnel during ascent. A sled was configured so that collected debris could be ferried up the mountain. All personnel associated with the debris collection process stated above were trained on the use, care, inspection, stowage and emergency procedures of rappel operations and hardware on 08082005. Level D PPE with the addition of rappel equipment was prescribed and followed. Due to constant drizzle, fog and haze eye protection wasn't utilized.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 051**

**Date or Time Period**  
**Sunday August 14, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 60-65

AM: Thick ground fog, calm winds, but Upper Mountain high overcast. PM: Partly cloudy to sunny, calm to light winds, thick smoke.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Excavation Site 31C was deepened approximately 1 foot, resampled (3), and screened the three samples for PCBs.

Type of Test	Method/Matrix	Quantity of Samples	Total
Ensys	Soil		3

Have Data Quality Objectives been achieved? Yes ☒ No ☐ N/A ☐

Ensys standard sample preparation with QC test limits for validation of screen samples.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity? Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged? Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.) Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved? Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Mountaineering procedures continuing on clean up of Debris Field #1 on the Upper Mountain. SSHO Petersen overseeing operation.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 10:30 hrs.</li><li>2. Continued removal of debris from Debris Field #1 on the Upper Mountain.</li><li>3. Overexcavated Site 31C, collected additional samples, and screened the samples for PCBs.</li><li>4. Cut, removed, and loaded debris from Site 7.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Sunday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-14-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13/ S-14	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	8	8
Ford Lube/Fuel Tk	50-201		7	7	4	8	1/1	28	137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329				7	2	2	11	96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							0	67	67
Marooka Track Truck MST 1500	50-350									
Marooka MST 2200 Dump Bed	50-351			6	3		8/8	25	64	89
Marooka MST 2200 Flatbed w/reel	50-352		11			7	7.5/7	32.5	123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8

Equipment Type	BEESC Number	M-8	T-9	W-10	TH-11	F-12	S-13/ S-14	Week's Total	Prior Weeks	Total
RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501		11	11	11	11	4	48	144.5	192.5
Cat 988B loader w/bucket & forks	50-505		1	1	5			7	114	121
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		4	3		3		10	41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100						8	8	31	39
Cat D8K Winch Cat	51-101				10			10	42	52
Hitachi EX300LC Excavator	51-200		10	10	3	9	10/2	44	78.5	122.5
Hitachi EX120 Excavator	51-204		10	10	6	10	10	46	198	244
BobCat								0	19	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

# Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	40	41
Activity: CL000807, Debris Removal at Site 7	0%	25%	25%
Activity: CL000702, Clean up of Debris Field #1	10%	40%	50%
Activity: CL000703, Clean up of Debris Field #2	0%	55%	55%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Deepened excavation at Site 31C and resampled pit (3 samples). Ensys screen results indicated all three pit bottom samples had concentrations of PCB greater than 0.5 ppm.

Comments:

- None

Summary of Tonnage Weighed by CLIN as of 8/12/05 for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	12.01
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>35.03</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0
CL000802	Cargo Beach Debris	30	22.26
CL000803	Cargo Beach Road Debris	5	18.3
CL000804	Tank Areas	280	287.4
CL000805	Chevy Blazer	3	0
CL000806	Cummins Engines	36	27.55
CL000807	Site 7 Landfill	50	13.73
<b>TOTAL</b>		<b>405</b>	<b>369.24</b>



<b>CLIN 9 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	49.29
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>125.01</b>

<b>CLIN 14 &amp; 15 ACTIVITIES</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>205.16</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seibt  
CQCSM Signature

8/15/05  
Date

Rollen Schubert  
Site Superintendent Signature

8-15-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

It is Sunday, the previously nominated "off" day for the general crew. Between 0700 and 0800 hours, there is a familiar heavy fog on the mtn under overcast conditions that is later discerned to be complicated by mainland forest fire smoke from the East. The winds are low however, and as predicted, the weather forecast is for improved conditions so the crew was slated to put in an 11 hour day today.

The field crews were activated and the fog continually lifted through the day. As reported, the crews were applied all day to the furthered excavation of the Site 7 landfill, the furthered-excavation of the Site 31 "C" ( old Septic tank leach pit ), and the continued slope debris retrievals at upper mtn Site 34. As reported, the old septic leach pit area EnSys results bore out that all samples revealed a presence of PCB's in excess of 0.5 PPM. The contaminated soils have been removed and isolated for transport. More excavation shall be required here to see if this spot "cleans-up".

Due to the life safety issue involved in the belay/ rapple upper slope work, the QAR was activated in monitoring the process. Although worsening weather conditions did not develop, this change possibility is always potentially available in rapid occurrence. The mtn slope work commenced in conditions of fog, but these conditions improved and cleared at the upper mtn by late morning, and then completely in the lower valley in the afternoon.

Many QA photos obtained today. The QA photos obtained during yesterday's effort, defined the obscured and adverse conditions the crew worked under. The many QA photos obtained today, better define the slopes in clarity for debris identification.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills*

*ACE/GAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*16 Aug. '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/14/2005

**Safety Meeting:** 10:30 AM

**Topics:** Slips, trips and falls associated with wet surfaces and windy conditions  
Level D PPE Laborers---rappel crew also wearing shin guards  
Upper Mountain rappel work---rappel crew to be aware of falling rocks and location of sled at all times  
Upper Mountain rappel work---support crew to use care not loosen rocks at top of mountain that may roll on to rappel crew, ensure rappel crew is at a location aside of the sled when it is hauled to the top of the mountain  
Rappel equipment (ropes and hardware) has been inspected and is in good working order  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000702-7

**SS/Lead and No. of workers:** L. MacDonald and (7) additional personnel.

**Task to be accomplished:** Remove, package and transport debris from North facing slope of the upper mountain facilities, Debris field #1.

**Observations/Comments:** This report is a continuation of the previous day's activities. All rappelling hardware was inspected prior to operations. To maintain continuity, the same individuals from 08132005 conducted rappelling ops. The Morooka with cable spooling attachment was utilized to haul up the sled during debris collection. Level D PPE and rappel associated equipment was observed during the collection process.



**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 052**

Date or Time Period  
**Monday August 15, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Thick smoke, calm winds.  
Upper Mountain).

PM: Partly cloudy, smoke haze, sun breaks, calm winds (windier on

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No  
Initial: No  
Follow-up: Yes. Pole Group C review.  
Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Excavation Site 31C was deepened approximately 2 feet, resampled (3), and the three samples screened for PCBs. One sample and one duplicated sample were collected for analytical testing to confirm screening results.

Type of Test	Method/Matrix	Quantity of Samples	Total for Site 31C
Enslys	Soil	3	6

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

Enslys standard sample preparation with QC test limits for validation of screen samples.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	1	1

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only soil samples were collected and the only analytes tested for are PCBs.

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

Mountaineering procedures continuing on clean up of Debris Field #1 on the Upper Mountain. SSHO Petersen overseeing operation. Mountaineering work completed today.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued removal of debris from Debris Field #1 and Debris Field #2 on the Upper Mountain.</li><li>3. Overexcavated Site 31C again, collected additional samples, and screened the samples for PCBs.</li><li>4. Continued cutting, removing, and loading debris into connexes at Site 7.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Monday	Hours	Off Island
<b>BEESC</b>				
		<b>8-15-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		11	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	4							137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329								96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								67	67
Marooka Track Truck MST 1500	50-350	2								
Marooka MST 2200 Dump Bed	50-351	11							64	89
Marooka MST 2200 Flatbed w/reel	50-352	10							123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								144.5	192.5
Cat 988B loader w/bucket & forks	50-505	3							114	121
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800								41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100								31	39
Cat D8K Winch Cat	51-101								42	52
Hitachi EX300LC Excavator	51-200	8							78.5	122.5
Hitachi EX120 Excavator	51-204	10							198	244
BobCat									19	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	41	42
Activity: CL000805, Chevy Blazer Removal			95%
Activity: CL000807, Debris Removal at Site 7	5%	25%	30%
Activity: CL000702, Clean up of Debris Field #1	40%	50%	90%
Activity: CL000703, Clean up of Debris Field #2	5%	55%	60%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Completed CLIN Activity CL000805.
- Ensys screen soil testing indicated PCB concentrations were below 0.5 ppm at a depth of approximately 4 feet below the ground surface at Site 31C. One sample and one duplicate sample were collected for analytical testing to confirm screening results.

Comments:

- None

Summary of Tonnage Weighed by CLIN as of 8/12/05 for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	21.58
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>44.6</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0
CL000802	Cargo Beach Debris	30	22.26
CL000803	Cargo Beach Road Debris	5	18.3
CL000804	Tank Areas	280	323.61
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.55
CL000807	Site 7 Landfill	50	23.05
<b>TOTAL</b>		<b>405</b>	<b>416.89</b>

<b>CLIN 9 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	49.29
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>125.01</b>

<b>CLIN 14 &amp; 15 ACTIVITIES</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>205.16</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05		



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/16/05  
Date

Rollin Seibert  
Site Superintendent Signature

8-16-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate Mtg was held under hazy skies due to the continuing forest fires smoke coming from the mainland. Clearing at vicinity lower altitudes occurred through the day but the high haze remained. Standard issues iterated for the crew.

As reported, the samplers were applied to the soils over-excavation at Site 31 "C" ( the septic leach pit site ) for PCB's for an additional 2 feet in depth. This hole finally cleaned up at about 4 feet in depth for PCB's with this soils removal. Crews also applied at Site East slopes, as well as the mtn top Sites No. 33 & 34 for additional debris collection. QA photos obtained .

The Weekly tele-conference is scheduled for tomorrow Tues., 16 Aug., at 0900 hours. The regional Gambell and Savoonga-based visitors are also scheduled for arrival tomorrow at 1230 hours, weather-dependent.

QA Safety Inspections/Observations not noted in above comments:

*B.A. Mills* *ACE/GAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*17 Aug., '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/15/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with wet surfaces, uneven surfaces, and windy conditions  
Level D PPE Laborers plus shin guards for personnel involved in rappel work  
Upper Mountain rappel work hazards---falling rocks, unstable ground/loose rocks, lines under tension  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000702-7

**SS/Lead and No. of workers:** L. MacDonald and (8) additional personnel.

**Task to be accomplished:** Remove, package and transport debris from North facing slope of the upper mountain facilities, Debris field #1.

**Observations/Comments:** This report (3<sup>rd</sup>) is of collection process, debris removal on the north faced slope of the upper mountain area. Rappel equipment inspected prior to use. Personnel assigned this task on 08132005 remain the same. Only (1) rappel station was operational during the hours of 0745-1115. Do to other commitments Troy Whitmore was unavailable until then. The collection of debris concluded at approximately 1430. All debris was transported via Morooka to the scale, weighed and staged for either burning or off island transport.

## FOLLOW-UP PHASE CHECKLIST

Contract No.: W911KB-04-C-0019

Date: August 15, 2005

Definable Feature: Pole Group C

Government Representative Notified 0 Hours in Advance

**CLLIN Activities:**

CLIN 11---CL0011105 and CL001106

**I. Personnel Present:**

Name	Position	Company/Government
H.Scipit	CQCSM	BEESC

**II. Identify full compliance with procedures identified at preparatory, including plans, specifications, and submittals.**

Walked the Pole Group C line from the camp site (former airport terminal) to the end of pole group C in order to gauge the status of removal of the poles and associated debris.

**III. Completed Work**

Ensure work is complete and in compliance with contract requirements. If not, what action is taken? Yes. All poles had been removed along the line as well as coiled black wire, thermo anchors, and long sections of wires/cables exposed on the ground surface. Variable lengths of isolated wood were noted along the line, but otherwise, all other materials had been removed.

**IV. Resolve any differences.**

Record Drawings Updated: N/A

Date

Corrective Action Log Updated: None required. The remaining wood is isolated pieces of dimensional lumber, none of which consists of multiple sections together in any one locale. The observed lumber was generally weathered to state of high deterioration.

Date

**V. Check Safety.**

Review job conditions using EM-385-1-1 and job hazard analysis.

Job Hazard/Safety Program Reviewed for Effectiveness:

August 15, 2005

Date

Comments: No safety incidents occurred during the CLIN activities.

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 053**

Date or Time Period  
**Tuesday August 16, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM/PM: Thick smoke/fog, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: Yes. Final Clean Up and Seeding DFW.

Initial: No

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total for Site 31C

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒



**Health and Safety**Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

A combination of thick fog and smoke reduced visibility on the Upper Mountain to distances that were deemed unsafe to work in. Clean up operations were terminated for the day and the field crew members moved to work areas on the Lower Mountain.

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued removal of debris from Debris Field #1 and Debris Field #2 on the Upper Mountain until approximately mid-day. At that time, foggy/smokey weather conditions reduced visibility for field personnel to unsafe working distances.</li><li>3. Initiated surficial debris clean up in the AFS Ops area.</li><li>4. Continued cutting, removing, and loading debris into connexes at Site 7.</li><li>5. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Tuesday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	<b>8-16-05</b>		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	4	8						137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		6						96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330								67	67
Marooka Track Truck MST 1500	50-350	2	10							
Marooka MST 2200 Dump Bed	50-351	10	10						64	89
Marooka MST 2200 Flatbed w/reel	50-352	10	7						123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								144.5	192.5
Cat 988B loader w/bucket & forks	50-505	3	1						114	121
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		2						41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100		4						31	39
Cat D8K Winch Cat	51-101								42	52
Hitachi EX300LC Excavator	51-200	8	6						78.5	122.5
Hitachi EX120 Excavator	51-204	10	10						198	244
BobCat									19	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

A combination of thick fog and smoke resulted in termination of activities on the Upper Mountain and lowered worker's efficiency in the Lower Mountain area.

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	42	43
Activity: CL001104, Surficial Debris Clean Up			50%
Activity: CL000807, Debris Removal at Site 7	5%	35%	40%
Activity: CL000702, Clean up of Debris Field #1	2%	90%	92%
Activity: CL000703, Clean up of Debris Field #2	10%	60%	70%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- The weekly BEESC/USACE teleconference meeting was conducted at 09:00.

Comments:

- None.

Summary of Tonnage Weighed by CLIN as of 8/12/05 for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	24.38
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>47.4</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.90*
CL000802	Cargo Beach Debris	30	21.89*
CL000803	Cargo Beach Road Debris	5	20.91*
CL000804	Tank Areas	280	318.96*
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76*
CL000807	Site 7 Landfill	50	74.71

\* Revised Tonnage

**TOTAL**

**405**

**467.25**

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	54.74
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84

**TOTAL TONNAGE**

**178**

**130.46**

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16

**TOTAL TONNAGE**

**200**

**205.16**

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/17/05  
Date

Roller Black  
Site Superintendent Signature

8-17-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**



Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate Mtg was held under a familiar overcast condition that continues to be complicated by forest fire smoke. The lack of wind to move this smoke away coupled with an inbound low pressure system from the South served to gravitate what was a rising, thinning break-up of fog to a thick, lowland, obscured condition for the remainder of the day and the evening.

The scheduled 0900 hours tele-conference conveyed project updates and prospective future dates for project tonnages and completion. Preparatory Planning mtg held at 0945 hours for the Grading and seeding element of the contract. Procedural applications discussed for the nominated areas, to be commenced sometime this weekend and early next week. Site Supt Goebel expects the project to wrap in field work around Tues. or Wed., 23 or 24 August, weather dependent. Although not mentioned in this report, the slated 1230 hours arrival of the local regional Gambell and Savoonga rep's visit for a site tour was cancelled again due to weather – Gambell and Savoonga was reportedly already socked-in with fog in the morning, and this site developed the non-negotiable heavy condition also just after the noon hour.

As reported, more debris taken off the mtn top in the morning until the adverse atmospheric conditions halted that effort. That crew came off the mtn at lunch and for the afternoon shift proceeded to the AFS Ops area perimeter and Site 7 again for more debris collections there. Prior Bldg 98 PCB soils explorations revealed the evidence of PCB's. The samplers shall be applied to those pits again tomorrow Wed., 17 August.

The oil drum discovered containing at Site 7 West was apparently pumped off to an empty transport drum yesterday afternoon. That drum is still situated at the Site 7 West slope location; it shall be transferred to the staging area for subsequent testing tomorrow Wed., 17 August – weather and flights dependent. It was determined today that this probably non-spec' oil ( probable waste oil ) shall be Chlor-'n-Test and EnSys sample tested for PCB's and heavy (toxic) metals ( Should this drum have tested clean for PCB's, the original suggestion to burn it here, is cancelled. BEESC PM Steve Johnson is due to fly-in tomorrow and it is reportedly he shall bring with him a Chlor-'n-Test kit for his crew ). This transport drum shall therefore be better identified before it is labeled.

The BEESC PM Steve Johnson forwarded a CLIN's overages & underages unsolicited proposal of prices letter today; the Ktr is reminded that the ACoE is interested in debris first, PCB soils second. With the recent mod' addition of additional tonnage for debris and/ or soils, Site Supt Goebel believes there to be about 85 tons left to spare for the contract. Most of the large or heavy objects have been collected and weighed already; most of the remaining debris is light-machine or hand-pick debris. The

old Chevrolet Blazer has been staged; 22 tons of suspect PCB-contaminated soil obtained today from the Bldg 98 pits. Site 7 East & West requires additional debris pick-up.

The obscured ambient conditions cancelled any opportunity for QA photos this day, but many photos were transmitted to the PDT today by the QAR from operations the day prior. From what I could see, safety observed throughout.

QA Safety Inspections/Observations not noted in above comments:

B.A. Mills ALE/GAR

QAR Signature

Date

Supervisor's Initials

Date

18 Aug. '05

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

<b>Reference (CLIN No.)</b>	<b>Activity</b>	<b>Location</b>	<b>Contractor/ Subcontractor</b>	<b>Complete/ % Complete</b>
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/16/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with uneven surfaces and loose footing  
Level D PPE Laborers  
Heavy equipment operation---operators to have three points of physical contact when entering and exiting machinery/equipment.  
Vertical work---the use of fall protection devices required above heights above 6 feet  
Heavy lifting---center the load with legs during debris removal  
Upper Mountain---use extreme care while traversing the CAT road to the Upper Mountain  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000807-8

**SS/Lead and No. of workers:** L. MacDonald and (3) additional personnel.

**Task to be accomplished:** Remove, package and transport debris from East side of Cargo Beach Road embankment east of Site 7 Landfill.

**Observations/Comments:** Current activity at Site 7 landfill involves the use of heavy equipment for debris collection. Work within this footprint has taken place over the course of the last few days. Consolidated debris areas were observed along the landfill. Wooden materials removed for the site were staged separately to allow for on island disposal by burning. An excavator was utilized to place the staged material into a waiting Morooka. The excavator with shear cutting attachment was placing materials into a vertical cargo container. All debris collected (with the exception of wood) will be weighed and staged in cargo containers for off island disposal. The prescribed level of PPE required for this task was D.

## PREPARATORY INSPECTION CHECKLIST

CONTRACT NO: W911-KB-04-C-0019

DATE: 8/16/05

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE OF WORK: Final Cleanup and Seeding

GOVERNMENT REPRESENTATIVE NOTIFIED 48 HOURS IN ADVANCE (QAR off island).

### I. Persons Required To Attend

Name	Position	Company/Government
Henry Seipt	CQCSM	BEESC
Rollie Goebel	Site Supervisor	BEESC
Mac McDonald	Crew Foreman	BEESC
Toby Petersen	SSHO	BEESC
Sam Mills	QAR	USACE

### II. Contractor/Subcontractors Involved With Activity

1. Yes. Insurance current & on hand?
2. No construction subcontractors used in field Insurance current & on hand?
3. \_\_\_\_\_ Insurance current & on hand?

### III. Submittal Review

Have all transmittals been submitted and approved? Yes. All project plans have been submitted to the USACE and have been approved.

What items are delinquent or awaiting comments/approval?

1. No items are delinquent or awaiting comments/approval.  
All equipment and personnel to complete the scope of work are present on Saint Lawrence Island.  
Testing of equipment has been completed on island prior to its utilization on site work.  
No field or analytical testing are required in this DFW.
2. \_\_\_\_\_

What items require re-submittal and why? \_\_\_\_\_

1. None.
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

#### IV. Technical Specification Review

Have all paragraphs/technical requirements been covered?

Yes.

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List of items you want to ensure were covered:

DFW Tasks: Final Cleanup and Seeding as delineated in the Work and Demolition Plan, Sections 4.3.9, 4.3.10 and the SSHP, Section 2.4

Accident Prevention Plan---EM 385-1-1 (2003) in use at the site, Specifically Section 18, Motor Vehicles and Aircraft (All Terrain Vehicles)

Tasks associated with the DFW are delineated in the Work and Demolition Plan, Sections 4.3.9 and 4.3.10 and in Appendix H of the CQC Plan

Task specific safety and health issues are address in the SSHP, Section 4.4

General site safety and health issues related to the task are delineated in the Activity Hazard Analysis, Table #1 (Debris Removal and Staging) and Table #3 (Grass Seeding and Site Restoration) in the SSHP. The SSHP requires the wearing of reflective vests in addition to standard/modified Level D.

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Task Associated SSHP topics include:

Vehicle Inspections, Section 4.2.2

Equipment and Vehicle Safe Work Practices, Section 4.2.4

Site Roads and Slopes, Section 4.2.6

Weather Hazards, Section 4.2.7

Trips and Falls, Section 4.2.11

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## PREPARATORY INSPECTION CHECKLIST

### V. List of Specific Construction Tolerances/Testing

1. None. No sort of tolerance specification or testing is associated with the DFW. However, some debris will require size reduction to enable loading of the material into sea-going containers.
2. A visual inspection will be completed by BEESC and USACE personnel to determine if final clean up conforms to requirements in the scope of work.
3. \_\_\_\_\_

Are all reference publications/manufacturer's recommendations on hand and reviewed? \_\_\_\_\_ N/A

### VI. Material/Equipment Review

Are all materials as submitted? \_\_\_\_\_ Yes

Do materials comply with Buy America Act? \_\_\_\_\_ N/A

Is equipment required? \_\_\_\_\_ Yes

Have equipment checklists been provided? Provided in daily report. \_\_\_\_\_ Yes

### VII. Safety/Job Hazard Analysis

Was Hazard Analysis submitted for review prior to prep? In submitted Work and Demo Plan \_\_\_\_\_ Yes

Are there additions for JHA and were they incorporated? \_\_\_\_\_ No

Are Material Safety Data Sheets on hand and reviewed? In binder in Site Supervisor's office. \_\_\_\_\_ Yes

Does Resident Office have copies of 1566 and insurance? \_\_\_\_\_ Yes

Have items in Site Safety Health Plan been reviewed? \_\_\_\_\_ Yes

Is there a confined space? \_\_\_\_\_ No

### VIII. Any Additional Concerns

Are there permits required for work? \_\_\_\_\_ No

Is notification for outage required? \_\_\_\_\_ No

What is time frame for any notifications? \_\_\_\_\_ N/A

What NAS Numbers are covered/used with this work? \_\_\_\_\_

Did CQC cover all elements on their checklists? \_\_\_\_\_ Yes

Has prep been completed successfully? \_\_\_\_\_ Yes

  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

## 2.4 TASK-SPECIFIC ACTIVITIES

The Scope of Work requires that a variety of tasks and activities be accomplished for each of the work sites. Those tasks and activities include the following:

- **Barge Loading and Unloading.** Excavated soil and demolition debris will be packaged at the site in Conexes. Workers will remain at a safe distance during the loading of these Conexes and will not stand under the loader or adjacent to the Conex being loaded.
- **Concrete Pad Testing and Removal.** Concrete transformer pads are suspected of containing PCBs from spills. PCB-contaminated concrete will be mechanically removed to a depth of approximately 0.25 inch. Appropriate worker protection will be required for this activity in accordance with the activity hazard analysis (AHA) (Appendix A).
- **PCB Soil Removal and Disposal.** A limited amount of stained soil will be removed and excavated during operations. The soil will be taken to a lined stockpile area where it will be tested to determine disposal options in accordance with the EPP.
- **Cat Trail Repair.** The Cat Trail to the Upper Mountain is completely washed out in one location and is in generally poor condition in many other sections. The trail must be repaired to access the Upper Mountain with construction equipment, and significant repair work is necessary. Because the Cat Trail is very steep and exceeds the EM 385-1-1, Section 21.1.07b, maximum allowable grade of 10 percent, a waiver request was submitted to the USACE to use the trail with the existing grades and has been approved.
- **Debris Removal and Staging.** Many of the sites at the NE Cape facility have miscellaneous debris ranging in size from very small to large items, such as old D-8 tractors. This debris will be collected manually and by using heavy equipment. Most of the debris can be reached from existing roads; in some cases, it will be collected after road improvement is completed. In instances where equipment is required for debris removal in the tundra, low-ground-pressure equipment will be used. The debris will be hauled to one or more staging areas, as directed by the WDP. Debris will be wetted and covered as necessary before hauling to prevent visible emissions. Debris will be placed in appropriate storage containers and staged at the Conex Storage Area shown on Figure 11.
- **Water Collector Decommissioning.** Wells at the site will be decommissioned in accordance with Alaska Department of Environmental Conservation procedures and the WDP.
- **Tower Demolition.** Demolition of the tram system will involve special requirements described in the WDP. These include specialized use of fall protection and use of heavy equipment and/or vehicles on grades in excess of 10 percent, which is normally prohibited by the USACE's EM 385-1-1. Because of the extreme slopes of the natural terrain, which cannot be engineered to conform to the 10 percent slope rule, a waiver

1 request that details provisions for safe work activity during tower demolition has been  
2 submitted via BEESC Letter 23036-012 to the USACE and approved.

- 3 ■ **Grass Seeding Operations.** Revegetation of various areas disturbed during project  
4 activities will be required. Seeding will be required only in areas where work  
5 operations disturb previously undisturbed areas and must be accomplished between  
6 spring breakup and July 15 or after August 20. Seeding and fertilization will be  
7 performed with the use of manual broadcast-type spreaders.

**Table 4-6 Area Requiring Seeding**

Site/Location	Approximate Area (acres)	Figure
Metallic debris area northwest of AFS Ops Area	1	3
Cargo Beach debris area	1	3
Cargo Beach Road Landfill (Site 7)	5	3
AFS Ops Area	15	3 and 9
Receiver Building Area (Site 24)	1	3
Direction Finder Area (Site 25)	1	3
White Alice Communications Site (Site 31)	4	3, 7, and 8
Lower Tram Building (Site 32)	1	3 and 6

Approximately 29 acres will require seeding. The Site Superintendent and the USACE QAR will walk the sites listed in Table 4-6 and stake the areas in need of seeding to establish the perimeters. The staked areas will be surveyed and the acreage of each area will be established using AutoCAD. The survey information, the AutoCAD file, and the acreage calculations will be submitted to the USACE Contracting Officer for confirmation by the USACE.

Native grass and plant seed adapted to the St. Lawrence Island environment will be spread in accordance with the manufacturer's instructions. The seed mixture will be proportioned by weight as follows:

Common Name	Mixture % by Weight	% Pure Live Seed
"Tundra" Glaucous Bluegrass	30	70
Norcost Bering Hairgrass	30	70
"Arctared" Red Fescue	40	70

Seed will be applied at a uniform rate of 30 pounds per acre. Fertilizer will be applied at a rate of 550 pounds per acre and will have a nitrogen-phosphorus-potassium ratio of 20 percent nitrogen, 20 percent phosphorus, and 10 percent potassium. Grass seed and fertilizer application will be limited to after breakup to July 15 or after August 20 up to the presence of no more than 2 inches of crustless snow.

#### 4.3.9 Final Debris Cleanup

A final surface debris cleanup will be performed in the building demolition and debris cleanup areas to remove remaining pieces of metal, wood, transite siding, and other debris. ACM items having a long axis equal to or greater than 1 inch will be removed. Non-ACM items having a long axis equal to or greater than 3 inches will be removed. Where partially buried debris is encountered, it will either be removed completely or cut off at the ground surface. A work crew hand-picking the debris will perform the final debris cleanup. The final debris cleanup will be conducted in the areas shown on Figures 6, 8, 9, and, the areas identified in Table 4-5. A total of approximately 34 acres will be cleaned. The Site Superintendent and the USACE QAR will walk the sites listed in Table 4-5 and stake the areas in need of final cleaning to establish the perimeters. The staked areas will be surveyed and the acreage of each area will be established using AutoCAD. The survey information, the AutoCAD file, and the acreage calculations will be submitted to the USACE Contracting Officer for confirmation by the USACE.

**Table 4-5 Areas Requiring Final Surface Debris Cleanup**

Site/Location	Approximate Area (acres)	Figure
Metallic debris area northwest of AFS Ops Area	1	3
Cargo Beach debris area	1	3
Cargo Beach Road Landfill (Site 7)	5	3
AFS Ops Area	20	3 and 9
Receiver Building Area (Site 24)	1	3
Direction Finder Area (Site 25)	1	3
White Alice Communications Site (Site 31)	4	3, 7, and 8
Lower Tram Building (Site 32)	1	3 and 6

#### 4.3.10 Seeding

Seeding will be accomplished at the locations identified in Table 4-6 after all removal and final cleanup are complete. Before commencing work, BEESC will coordinate seeding activities with the USACE QAR.

## **DFW SPECIFIC HAZARDS**

- 1 ■ Equip one person per field area with a firearm. Individuals assigned firearms will  
2 keep the weapon under safe control at all times. After working hours, all firearms will  
3 be locked and secured by the SS.

#### 4 4.3.2 Foxes

5 Rabid cross foxes may also be encountered at the NE Cape site. Extreme caution should be  
6 exercised to avoid any work activities in close proximity to a cross fox. Work in areas that  
7 cross foxes may inhabit should always be performed in pairs.

### 8 4.4 TASK-SPECIFIC HAZARDS

9 The following sections describe in greater detail the hazards associated with each specific  
10 task. Appendix A contains AHA tables, completed in accordance with the USACE's EM  
11 385-1-1, identifying the activity, potential hazards, controls and inspections, training, PPE,  
12 and monitoring required for each task.

#### 13 4.4.1 Nonhazardous Debris Removal and Staging

14 Nonhazardous debris removal and staging will be performed in accordance with the WDP.  
15 One of the hazards involved with this activity is lifting debris or drums with sharp edges. The  
16 edges of the metal debris can cause cuts. Level D PPE will be worn while collecting and  
17 staging nonhazardous debris. All workers lifting nonhazardous debris will wear leather or  
18 cut-resistant gloves. Lifting the debris can cause back problems if a worker tries to lift too  
19 much or lifts in an improper fashion. Debris weighing more than 60 pounds will be lifted by  
20 at least two people. When lifting the debris, ensure that proper lifting techniques are used,  
21 including bending at the knees and keeping one's back vertical. Some of the debris may be  
22 lifted and staged by heavy equipment. Site workers need to be aware of vehicular traffic at all  
23 times and stay in clear view of the equipment operators. If heavy equipment is used, then site  
24 workers will wear reflective traffic vests to increase their visibility.

25 Debris Field No. 1 is located north of the Upper Tram Building at Site 33/34 on the mountain  
26 slope under and adjacent to the tramline. It consists of miscellaneous wind-blown debris.  
27 This debris field is not reported to contain containerized hazardous and toxic waste (Con-

1 ITW) or drums. The primary difficulty and risk of work at this debris field is related to the  
2 extreme slope of the mountainside. In most places, the slope approaches or exceeds 45  
3 degrees. To accomplish this cleanup, special worker safety precautions are required.

4 A tracked trailer or skid will be modified to serve as a collection skid. The intent is to use a  
5 skid-mounted winch or a winch-equipped bulldozer to lower the collection skid down slope to  
6 the desired point. A safety line mounted to a separate fixed object capable of holding the  
7 loaded skid will be payed out with the haul cable to secure the skid should the haul cable fail.

8 After the collection skid is positioned, two workers outfitted with safety harnesses will  
9 descend fixed 11-millimeter (mm) static lines, one on each side of the skid. The workers will  
10 self-belay with Jumar ascending devices that attach each worker to a static line. The Jumar is  
11 hand-operated by the worker and allows him or her to ascend or descend at will. The workers  
12 will be trained to prevent slack from forming in the static line to which they are attached.  
13 This will prevent the workers from falling more than a short distance should footing be lost or  
14 other incident occur. Once in position alongside the collection skid, the workers will collect  
15 the debris by hand and place it in the skid. At no time will the workers be allowed to descend  
16 behind the collection skid. They will always work alongside or above it.

17 When the collection skid is full, the workers will ascend the slope by walking uphill and  
18 sliding the Jumars ahead of them to maintain protection should they fall. Once they have  
19 reached the top and are secure, the collection skid will be winched to the top of the slope. The  
20 safety line will be hoisted concurrently, but not tensioned, to act as an immediate brake should  
21 the haul cable fail. At the top of the slope, the collection skid will be lifted and dumped into a  
22 Morooka for transport down the mountain to the truck scale and baling facility.

#### 23 4.4.2 Antenna and Power Pole Removal

24 Antenna and power pole removal will be performed in accordance with the WDP. The  
25 antennas and power poles are made of either wood or metal. Some of the poles are held in  
26 place with guy wires. Hazards associated with the removal of these structures differ slightly  
27 depending on whether the pole is wood or metal. Level D PPE will be worn while removing



Unlike the nonhazardous debris removal activities, some of the drums may contain unknown or uncharacterized contaminants. If a drum is determined to contain liquid, the SSHO will be notified immediately, and removal will cease. Unqualified personnel will be removed from the immediate vicinity, and trained drum samplers will be used. If the drum cannot be sampled immediately, the drum will be marked accordingly. Drums that appear to contain liquid will be sampled in accordance with the EPP and the SAP. PPE will be worn in accordance with the AHA tables in Appendix A while unknown drums are sampled. Generally, a photoionization detector will be used to monitor the concentrations of organic vapors before and during sampling. Drums with unknown contents will be placed in overpack containers and transported to a separate section of the staging area for characterization. At the staging area, the drums will be cleaned, if necessary, and then crushed.

#### **4.4.4 Miscellaneous Con-HTW Removal**

There are no known Con-HTW items remaining at the site. However, miscellaneous Con-HTW items may be encountered while performing the final debris cleanup. Miscellaneous Con-HTW removal will be performed in accordance with the WDP. The hazards associated with the removal of Con-HTW are primarily due to the chemicals in the matrix being sampled or removed. Physical hazards associated with sampling Con-HTW include opening unknown containers. Unknown containers will be opened in Level C PPE (with high-efficiency particulate air [HEPA]/organic vapor [OV]/acid gas [AG] combination-type cartridges) and, if necessary, the workers opening the containers will wear leather gloves over chemical-protective gloves to protect against pinch points and cuts. Once the material in a container has been identified, it will be removed and staged for disposal. One of the physical hazards associated with this comes from lifting and carrying the items. Workers will be trained in proper lifting techniques to minimize the potential for injury.

#### **4.4.5 Grass Seeding Operations**

This activity will be performed in accordance with the WDP. Hazards associated with this activity are limited. Spreaders will be used to distribute seed in areas where site activities have stressed the native vegetation. Physical hazards include being struck by vehicles being

used to spread seed. Site workers will be advised to be aware of vehicular traffic and will be required to wear reflective vests when working around equipment. Operators will be informed daily and as often as necessary of the workers' whereabouts. Another physical hazard is associated with lifting heavy bags of seed. Lifting bags weighing more than 60 pounds will require two workers. Workers will be instructed in proper lifting techniques to minimize the potential for injury.

Site restoration will include the use of heavy equipment to blade out excavated terrain, debris removal areas, and areas where demolition has taken place. Physical hazards associated with this activity are posed by the use of heavy equipment in areas where workers are performing specific tasks. All site workers will wear reflective vests to increase visibility while working around heavy equipment. Workers will be trained about the operator's visibility limitations. Operators will be informed daily and as often as necessary of the workers' whereabouts. Manual lifting may be required during the site restoration activities. Site workers will be trained in proper lifting techniques to minimize the potential for injury.

#### **4.4.6 PCB-contaminated Soils Removal and Disposal**

PC-contaminated soil will be removed and disposed of in accordance with the WDP. The stained soil will be excavated manually and/or with heavy equipment, depending on the quantity of soil. Workers will be trained about the operator's visibility limitations. Operators will be informed daily and as often as necessary of the workers' whereabouts. A designated transportation route will be established to isolate the area of vehicular traffic. This route will be communicated to the site workers. Site workers will also wear reflective vests to increase their visibility. Soil removed manually will be dug with shovels and placed in the appropriate container. There is a potential for injury if proper lifting techniques are not used. The workers will be trained in proper lifting techniques.

#### **4.4.7 Water Collector Decommissioning**

Water collector decommissioning will be performed in accordance with the WDP. The CMP will be extracted with heavy equipment, and the void will be backfilled with borrow material.

## **GENERAL PROJECT HAZARDS**

Activity Hazard Analysis No. 1 Debris Removal and Staging		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Removal by hand and General Site Work	<p>Slips, trips, falls</p> <p>Back Injury</p> <p>Crushing Injuries</p> <p>Dropped Objects</p> <p>Eye Injury / Hearing Loss</p> <p>Falls from steep slopes</p> <p>Struck by equipment/objects</p>	<ul style="list-style-type: none"> <li>• Use care during foot travel, and clear the area of slip and trip hazards</li> <li>• Use barricades</li> <li>• Use guardrails</li> <li>• Cover holes.</li> <li>• Use proper lifting technique.</li> <li>• Buddy system for heavy lifts</li> <li>• Use lifting/transport equipment</li> <li>• Use caution when setting loads.</li> <li>• Machine guards/enclosures</li> <li>• Wear required PPE <ul style="list-style-type: none"> <li>○ Hard Hat</li> <li>○ Steel Toed Boots</li> <li>○ Safety Glasses w/ side shields</li> <li>○ Reflective Vest</li> <li>○ Hearing Protection, as needed.</li> </ul> </li> <li>• Use caution around equipment lift materials.</li> <li>• Wear required PPE.</li> <li>• Wear required PPE.</li> <li>• Wear D-ring harness w/ restraint cable system at approved anchor points</li> <li>• Wear required PPE</li> <li>• Backup Alarms on all equipment</li> <li>• Traffic control and Watchman</li> </ul>

Activity Hazard Analysis No. 1 Debris Removal and Staging (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
<b>Principal Tasks</b>	<b>Potential Hazards</b>	<b>Recommended Controls (Level D PPE site wide for all operations)</b>
Vehicle Operation	Rollover	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> <li>• Use Seatbelts/ROPS</li> <li>• For ATVs, gloves and helmets are required.</li> <li>• Utilize only licensed and trained operators.</li> <li>• Ensure equipment is not operated on excessive grades to prevent rollovers.</li> </ul>
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
<b>Equipment to be Used</b>	<b>Inspection Requirements</b>	<b>Training Requirements</b>
Trucks, Hand Tools, Graders, Bulldozers, Backhoes	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site Specific Training – Toolbox safety meetings, Fall Protection System (if applicable)</li> </ul>

Activity Hazard Analysis No. 3  
Grass Seeding and Site Restoration

Analyzed By/Date: \_\_\_\_\_ Reviewed By/Date: \_\_\_\_\_

Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
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Site Prep

Slips, trips, falls

- Use care during foot travel, and clear the area of slip and trip hazards
- Use barricades
- Use guardrails
- Cover holes.

Back Injury

- Use proper lifting technique.
- Buddy system for heavy lifts
- Use lifting/transport equipment

Crushing Injuries

- Use caution when setting loads.
- Wear required PPE:
  - Hard Hat
  - Steel Toed Boots
  - Safety Glasses w/ side shields
  - Reflective Vest
  - Hearing Protection, as needed.

Dropped Objects

- Use caution around equipment lift materials.
- Wear required PPE.

Eye Injury / Hearing Loss

- Wear required PPE.

Struck by  
equipment/objects

- Wear required PPE
- Backup Alarms on all equipment
- Traffic control and Watchman

Activity Hazard Analysis No. 3 Grass Seeding and Site Restoration (cont.)		Analyzed By/Date: _____ Reviewed By/Date: _____
Principal Tasks	Potential Hazards	Recommended Controls (Level D PPE site wide for all operations)
Equipment operations	Equipment Failure	<ul style="list-style-type: none"> <li>• Inspect equipment prior to daily operation.</li> <li>• Ensure all roll cages and guards are in place and back up alarms operate</li> <li>• OEM equipment modifications <u>only</u>.</li> <li>• Machine guarding and enclosures</li> </ul>
Vehicle Operation	Rollover	<ul style="list-style-type: none"> <li>• Stay within the speed limit specified.</li> <li>• Follow manufacturer's recommended payload.</li> </ul>
Equipment to be Used	Inspection Requirements	Training Requirements
Trucks, Hand Tools, Graders, Bulldozers	Daily inspection of equipment prior to operation	<ul style="list-style-type: none"> <li>• Utilize only trained and experienced operators for operation of equipment.</li> <li>• Site specific training – Toolbox safety meetings</li> <li>• 40 hr Hazwoper</li> <li>• HazCom Training</li> </ul>

## **RELEVANT USACE HAZARD TOPICS**



3 Nov 03

18.C.09 All motor vehicles shall be shut down prior to and during fueling operations. > See 16.A.15.

#### 18.D ALL TERRAIN VEHICLES (ATV)

18.D.01 Every ATV operator shall have completed a nationally-recognized accredited ATV training course (such as provided by the Specialty Vehicles Institute of America or in-house resources that have been certified as trainers by an accredited organization) prior to operation of the vehicle. The operator must pass an operating skills test prior to being allowed to operate an ATV. Proof of completion of this training shall be made available to the GDA upon request.

18.D.02 The manufacturer's recommended payload shall not be exceeded at any time.

18.D.03 Gloves and an approved motorcycle helmet with full-face shield or goggles shall be worn at all times while operating a Class I ATV.

18.D.04 ATVs shall be used only off-road (no paved road use unless allowed by the manufacturer).

18.D.05 ATVs shall be driven during daylight hours (unless properly equipped with lights for night use).

18.D.06 Only ATVs with four or more wheels may be used.

18.D.07 Passengers are prohibited on Class I ATVs.

18.D.08 All ATVs shall be equipped with a warning signal device (horn), tail lights, and stop lights.

18.D.09 A copy of the operators manual will be kept on the vehicle and protected from the elements (if practicable).

18.D.10 Tires shall be inflated to the pressures recommended by the manufacturer.

18.D.11 ATVs will be equipped with mufflers.

18.D.12 All ATVs shall be equipped with spark arresters.

18.D.13 All Class II ATVs shall be equipped with ROPS.

#### 18.E AIRCRAFT

18.E.01 All non-military aircraft shall be registered, certified in the appropriate category, and maintained in accordance with the airworthiness standards of the FAA. (If used OCONUS, and not prohibited by other regulation such as ER 95-1-1, registration, certification, and maintenance in accordance with the standards of a comparable governing body of foreign or international authority may be substituted for those of the FAA.)

18.E.02 All contract pilots or pilots of chartered aircraft shall hold at least a commercial pilot certificate with instrument rating. All pilots of non-military aircraft shall possess ratings to comply with the FAA Regulation governing the aircraft and operations involved.

18.E.03 All non-military aircraft shall be equipped with a two-way radio.

18.E.04 All non-military flight operations shall be in accordance with the FAA rules governing conduct for the specific operation. (Examples are 14 CFR 133 (Federal Aviation Regulation 133); 14 CFR 135 (Federal Aviation Regulation 135); and 14 CFR 91 (Federal Aviation Regulation 91).

18.E.05 All military flight operations shall be conducted under appropriate DOT/DOD regulations, such as the AR 95 Series.

**NE CAPE TRAM & DEBRIS REMOVAL  
TELECON AGENDA  
0900 hr August 16, 2005**

Reminder: Conference call-in number: 1 (800) 315-6338, Access code: 25037#

1. Progress to date
  - a. Work Items Summary
  - b. Health and safety issues
  - c. Waste transport/disposal issues
2. Work for upcoming week
  - a. Site work
    - i. Add'l metallic debris under CLIN 0008
    - ii. Backfill soil excavations
  - b. Gambell and Savoonga visitors
3. Schedule update
  - a. Order of priority for debris cleanup
  - b. Projected completion date
4. Other issues
  - a. Progress Invoice 03
  - b. Unsolicited proposal for additional metallic debris

## **WEEKLY MEETING**

**AUGUST 16, 2005**

**09:00-09:30**

**NE Cape: R. Goebel, H. Seipt, T. Peterson, and S. Mills**

**BEESC Anchorage: S. Johnson, M. Turner, C. Croley, and P. Curl**

**USACE: P. Schneider, C. Cossaboom and L. Geist**

### **BEESC AGENDA**

#### **1. Progress for the Week**

##### **A. R. Goebel**

**Work concentrated on Upper Mountain---Debris Field #1's repelling work completed and majority of Debris Field #2 completed. Hand picking still needed in both fields.**

**Started on clean up of the Site 7 Landfill area**

**90% of metal removed at lower and upper tank area in AFS Ops**

**Upper Mountain debris pick up---to be completed as weather permits**

**One 55- gallon barrel filled with a liquid thought to be used oil was encountered at Site 7---the barrel's top was punctured during debris removal operations**

**Project is on schedule with the estimated final day of field operation being August 23.**

##### **S. Mills**

**Barrel Issue: The punctured barrel had its contents pumped into a clean BEESC barrel and the punctured barrel removed from the landfill. The liquid will be field tested for PCB. BEESC stated the drum and its contents were to be packed and sent back to Anchorage. The oil was not to be burned or disposed of on island.**

**Gambel/Savoonga Visitors---party scheduled to arrive today depending on weather conditions.**

##### **B. T. Petersen**

**Reviewed the week's Upper Mountain work. Steep hillside work completed in 2-3 days. Mountaineering procedures went well and no health and safety issues arose and no lost time incidents occurred. All participants did a good job.**

##### **C. P. Curl**

**Waste profiles have been completed.**

**Manifest to be completed for one boiler containing ACM, 1-2 connexes of creosote coated wood poles, 2 try-walls containing non-friable ACM, 1 Baker box of ash, and 3 Baker boxes of PCB-impacted soil.**

##### **B. S. Johnson/Project Status**

**Projected end of field work 8/23.**

**Barge in to pick up camp 8/26.**

**Soil excavation at Site 31C completed---Ensys screen samples indicated no PCBs above 0.5 ppm remaining in soil at a depth of approximately 4 feet below surface grade.**

##### **Remaining Work**

**Complete Upper Mountain Debris Fields clean up**

**Complete surface debris clean ups (CLIN 11)**  
**Complete grass seeding and fertilizer spreading**  
**Burn accumulated wood debris**  
**Remove additional PCB-contaminated soil at Site 14**  
**(approximately 15-16 tons)**  
**Complete removal of debris from Site 7**  
**Fill and close open soil excavations/confirm lab results for**  
**determining which soil excavations are clean closures**  
**Update of current weights of debris removed from all CLINs to be**  
**reviewed. Value of contract to be maximized without taking material that would incur**  
**additional costs to project. Metal debris will take precedence over additional soil**  
**removal.**

### SAFETY OBSERVATION REPORT (SOR)

Date: 8/16/05 Time: AFTERNOON (PM)

Person Submitting This Report: Id. SEPT

Observation: THE COMBINATION OF THICK SMOKE  
AND FOG REDUCED VISIBILITY TO UNSAFE

DISTANCE TO CONTINUE DEBRIS REMOVAL  
FROM THE UPPER MOUNTAIN.

Action Taken: WORK TERMINATED ON UPPER MOUNTAIN

Immediate Corrective Action: WORKERS REMOVED FROM UPPER MOUNTAIN

Action to Prevent Recurrence: MONITOR WEATHER CONDITIONS

Indirect Cause: NATURAL CAUSE — WEATHER CONDITIONS

Corrective Action: SET VISIBILITY PARAMETERS FOR SHUTDOWN  
OR WORK ACTIVITIES

Commitment? STRONG POTENTIAL SAFETY ISSUE FOR PERSONNEL  
WORKING IN VISUALLY-IMPAIRED CONDITIONS.

Further Action or Help Needed? NO, ADVERSE WEATHER

CONDITIONS TO THE ABOVE DESCRIBED

EXTANT RISKY OCCUR.

Signature: Id. M. Sept

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 054**

Date or Time Period  
**Wednesday August 17, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Thick smoke/fog, calm winds.

PM: High overcast to foggy, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: Yes. Final Clean Up and Seeding DFW

Follow-up: No

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total for Site 14A and 14B
Ensys PCB Screen	Soil		6

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	2	2

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only soil samples were collected and the only analytes tested for are PCBs.

**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued surficial debris clean up in the AFS Ops area.</li><li>3. Continued cutting, removing, and loading debris into connexes at Site 7.</li><li>4. Completed deepening by approximately 1 foot Excavation Sites 14A and 14B.</li><li>5. Collected 3 soil samples Excavation Site 14A and 3 soil samples from Excavation Site 14B and screened all six samples for PCBs using the Enslys field method.</li><li>6. Total personnel: 21.</li></ol>

**Manpower On Site**

Personnel	Classification	Wednesday	Hours	Off Island
<b>BEESC</b>		<b>8-17-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	



**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	4	8	6					137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		6	2					96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330			8					67	67
Marooka Track Truck MST 1500	50-350	2	10							
Marooka MST 2200 Dump Bed	50-351	10	10						64	89
Marooka MST 2200 Flatbed w/reel	50-352	10	7	10					123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501			5					144.5	192.5
Cat 988B loader w/bucket & forks	50-505	3	1	10					114	121
Cat 12F Road Grader	50-700									
Gehl Forklift (8000#)	50-800		2						41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100		4						31	39
Cat D8K Winch Cat	51-101								42	52
Hitachi EX300LC Excavator	51-200	8	6						78.5	122.5
Hitachi EX120 Excavator	51-204	10	10	10					198	244
BobCat									19	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☒ No ☐

A combination of thick fog and smoke restricted work to the Lower Mountain area.

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	43	44
Activity: CL001104, Surficial Debris Clean Up			50%
Activity: CL000807, Debris Removal at Site 7	5%	35%	40%
Activity: CL000702, Clean up of Debris Field #1	0%	92%	92%
Activity: CL000703, Clean up of Debris Field #2	0%	70%	70%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Ensys PCB field screening tests indicated PCB concentrations in soil were below 0.5 ppm for samples collected from overexcavation of pits at Site 14A and Site 14B.

Comments:

- None

**Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons**

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	24.38
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>47.4</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL</b>		<b>405</b>	<b>500.76</b>

<b>CLIN 9 ACTIVITY</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	61.57
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>137.29</b>

<b>CLIN 14 &amp; 15 ACTIVITIES</b>	<b>ITEM DETAIL</b>	<b>USACE ESTIMATE</b>	<b>WEIGHT IN TONS</b>
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		14
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>219.16</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Hy M. Seijt  
CQCSM Signature

8/18/05  
Date

Roller Boehl  
Site Superintendent Signature

8-18-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Tailgate Safety Mtg held under combination foggy/ smokey conditions with unfortunately, light-to-no winds. M As reported, crew continued work at the 2 major operations areas of the Site 7 East slope debris cutting, gathering and packaging, and the AFS Ops area in debris cutting, consolidation and packaging.

Six more samples obtained from furthered excavation at the Bldg 98 PCB pits, numbered 14 A & B. Relative to other sites, this rocky soil should've cleaned-up in preliminary EnSys testing, and day-end EnSys results proved that it did. Those samples shall be transferred to the off-site professional lab for confirmation analysis. Soil tonnages are being watched closely to ensure that the overall CLIN tonnage summary is not exceeded. The next focus in PCB EnSys sampling shall be Site 31 Bldg 1001 MEC.

Today is another bad day for flights; PM Steve Johnson was hoping to get here today; this is delayed to the possibility of Friday, 19 August. More photos transferred to the PDT.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ASE*  
*QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*19 Aug. '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/17/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with uneven surfaces  
Level D PPE Laborers  
Heavy equipment operation---swing arc and pinch points  
Vehicle speed---25 MPH maximum on connecting roads, 15 in work areas and 5 MPH in camp in good visibility conditions---reduce above limits in foggy conditions  
Concentration---maintain work focus as project time grows short  
Accident prevention---job has had so far 46 injury free days  
General site safety rules reviewed

**Worksite ID/Clin No:** CL0001404/5-14

**SS/Lead and No. of workers:** L. MacDonald and (2) additional personnel.

**Task to be accomplished:** Excavate, package, transport contaminated PCB soil.

**Observations/Comments:** Excavation 14A and 14B are located adjacent to the foundation of former bldg 98. Both locations were previously excavated to depths of 1 foot and 6 inches respectively. Initial samples collected at these excavation sites were above .5 ppm, requiring further investigation. Under the direction of the site sampler (Larry Pederson) additional soil from each excavation was collected. The soil was placed in a plastic lined Baker box for transport to treatment facility off island. Samples were collected from each excavation for field screening. Safety precautions applicable to AHA 4 were observed. PPE level D with the addition of chemical resistant gloves for the sampler was worn. The need for further remediation of the area is pending results of the field screening.

### INITIAL PHASE CHECKLIST

CONTRACT NO.: W911KB-04-C-0019

DATE: August 17, 2005, 8:00-8:15

PROJECT: White Alice Tram and Debris Removal

DEFINABLE FEATURE WORK: Final Cleanup and Seeding

GOVERNMENT REPRESENTATIVE NOTIFIED 0 HOURS IN ADVANCE.

**I. Personnel Present, Including Work Crew:**

	NAME	POSITION	COMPANY
1.	Henry Seipt	CQCSM	BEESC
2.	Rollie Goebel	Site Superintendent	BEESC
3.	Mac McDonald	Foreman	BEESC
4.			
5.			
6.			
7.			
8.			

**II. Indicate Exact Location of Feature / Item Inspected:** Areas where surficial debris clean up include: 1 acre in the tundra Northwest of AFS Ops, 1 acre in the vicinity of the barge ramp at Cargo Beach, 5 acres in the tundra east of Cargo Beach Road at the Site 7 Landfill, 20 acres in the AFS Ops area, 4 acres at Site 31 and 1 acre at Site 32 (clean up of 1 acre each at Site 24 and Site 25 was essentially completed in July). Areas to be seeded and fertilized include: 1 acre in the tundra Northwest of AFS Ops, 1 acre in the vicinity of the barge ramp at Cargo Beach, 5 acres in the tundra east of Cargo Beach Road at the Site 7 Landfill, 15 acres in the AFS Ops area, 1 acre at Site 24, 1 acre at Site 25, 4 acres at Site 31 and 1 acre at Site 32.

**III. Materials and Equipment Being Used Are In Strict Compliance With Contract**

**Requirements:** Yes. The seed mixture conforms to the specifications in the Scope of Work. The amount of seed and fertilizer present is sufficient to cover the target areas in the respective pounds per acre specified in the Scope of Work.

If Not, Explain

**IV. Procedures and / or Work Methods Witnessed Are In Strict Compliance With Contract**

**Requirements:** Yes. Boundaries of the acre(s) to be seeded of the respective site will be approximated. A mechanical spreader will be installed on each of two ATVs to disperse the seed and fertilizer over the designated acreage.

If Not, Explain:

**V. Construction Tolerances and Workmanship Standards Are In Strict Compliance**

**With Contract Requirements :** Yes. The spreader intake rate and coverage area will be approximated in the field by actual application testing. The rate of seed and fertilizer application will be adjusted to conform to 30 pounds per acre for seed and 550 pound per acre for fertilizer.

State Areas Where Improvement is Needed: \_\_\_\_\_

**VI. Required Inspection and Tests Are Demonstrated and In Strict Compliance With**

**Contract Requirements:** Yes. Seed and fertilizer volume tabulations will be completed after applications have been completed at each site. The weight of the seed and fertilizer used will be compared with the respective acreages to ensure the correct quantities have been spread over each site.

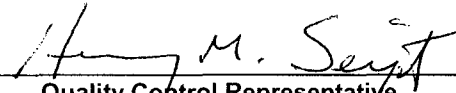
If Not, Explain:

**VII. Safety Procedures of Hazard Analysis Followed:** Yes. Chemical hazards will be encountered with the handling and spreading of the fertilizer. Level D PPE should provide adequate protection. However, the PPE can be upgraded to Level C if respiratory distress is observed or if requested by application personnel.

If Not, Explain Corrective Action: \_\_\_\_\_

**VIII. Instruction Received From Government Representative (Include Any Discussion On Testing, Control Procedures, and Definitive Description of the Agreed On Quality of Workmanship):**

1. None.

  
\_\_\_\_\_  
Quality Control Representative

\_\_\_\_\_  
Quality Assurance Representative

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 055**

Date or Time Period  
**Thursday August 18, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 55-60

AM: Low cloud cover/fog, calm winds.

PM: Sunny, calm winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes: Final Inspection complete on all Upper Mountain work.

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total for Site 31A-2 & 31B
Ensys PCB Screen	Soil		13

Ten screen samples were collected from Site 31B and three screen samples were collected from Site 31A-2.

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	2	2

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only soil samples were collected and the only analytes tested for are PCBs.

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued clean up at Debris Field #1 and Debris Field #2 on the Upper Mountain.</li><li>3. Initiated burning of stockpiled wood utilizing air curtain blower/burner.</li><li>4. Completed deepening by approximately 6 feet Excavation Site 31B.</li><li>5. Completed deepening by approximately 0.5 feet Excavation Site 31A-2.</li><li>6. Ten soil samples were collected from Excavation Site 31B and 3 soil samples from Excavation Site 31A-2. The samples were field screened for PCBs using the Enslys field method.</li><li>7. A punch list inspection was completed by BEESC for Debris Fields #1 and Debris Field #2 on the Upper Mountain. Additional debris was removed after the inspection.</li><li>8. A Pre-Final inspection was completed between the QAR and Site Supervisor for the Upper Mountain work. Additional debris was removed after the inspection.</li><li>9. A Final inspection was completed by the QAR for the Upper Mountain debris fields in the afternoon. No significant deficiencies were noted and no corrective action was required. The inspection closed out work on the Upper Mountain.</li><li>10. Total personnel: 21.</li></ol>



**Manpower On Site**

Personnel	Classification	Thursday	Hours	Off Island
<b>BEESC</b>				
		<b>8-18-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	4	8	6	3				137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		6	2	4				96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330			8					67	67
Marooka Track Truck MST 1500	50-350	2	10		5					
Marooka MST 2200 Dump Bed	50-351	10	10						64	89
Marooka MST 2200 Flatbed w/reel	50-352	10	7	10	10				123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501			5					144.5	192.5
Cat 988B loader w/bucket & forks	50-505	3	1	10					114	121
Cat 12F Road Grader	50-700				2					
Gehl Forklift (8000#)	50-800		2						41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100		4		8				31	39
Cat D8K Winch Cat	51-101								42	52
Hitachi EX300LC Excavator	51-200	8	6		8				78.5	122.5
Hitachi EX120 Excavator	51-204	10	10	10	10				198	244
BobCat					5				19	19

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

The QAR requested the removal of additional debris from Debris Fields #1 and #2 after the Pre-Final inspection.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	44	45
Activity: CL001101, Surficial Debris Clean Up, Tundra NW of AFS Ops			
Activity: CL001102, Surficial Debris Clean Up at Cargo Beach			
Activity: CL001103, Surficial Debris Clean Up, E of Site 7 Landfill			
Activity: CL001104, Surficial Debris Clean Up AFS Ops Area			50%
Activity: CL001107, Surficial Debris Clean Up at Site 31			
Activity: CL001108, Surficial Debris Clean Up at Site 32			
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			
Activity: CL001202, Seeding at Cargo Beach Barge Landing Area			
Activity: CL001203, Seeding Tundra E of Site 7 Landfill			
Activity: CL001204, Seeding AFS Ops Area			
Activity: CL001205, Seeding Tundra at Site 24			
Activity: CL001205, Seeding Tundra at Site 25			
Activity: CL001205, Seeding Tundra at Site 31			
Activity: CL001205, Seeding Tundra at Site 32			
Activity: CL000804, Scrap Metal from Tanks Removal			95%
Activity: CL000807, Debris Removal at Site 7	55%	40%	95%
Activity: CL000702, Clean up of Debris Field #1	3%	92%	95%
Activity: CL000703, Clean up of Debris Field #2	25%	70%	95%

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Ensys PCB field screening tests on soil pit bottom samples (portions of the pit were deepened to approximately 6 feet below surface grade) and sidewall samples indicated PCB concentrations in the soil were below 0.5 ppm at Site 31B.
- Ensys PCB field screening tests on soil pit bottom samples (deepened to approximately 3 feet below surface grade) indicated PCB concentrations in the soil in portions of the pit were above 0.5 ppm at Site 31A-2.
- Preliminary analytical results from all the sampling at Building 108 and Building 109 indicated concentrations of PCBs were below 0.5 ppm under the concrete slab removed by BEESC.
- Preliminary analytical results of soil samples collected from re-excavations at Site 13C, Site 13D, and at Site 109 located below the concrete at Room F at Site 31 indicated concentrations of PCBs were below 0.5 ppm.
- The Final Inspection was completed for Debris Field #1 and Debris Field #2 on the Upper Mountain.
- Completed CLIN Activities CL000702, CL000703, CL000804, and CL000807.

Comments:

- Deficiencies noted during Pre-Final Inspection included additional debris scattered about Debris Fields #1 and #2. All QAR delineated debris was removed by BEESC prior to Final Inspection.

Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	61.57
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>137.29</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		76.2
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>281.36</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/19/05  
Date

Rollee Fadel  
Site Superintendent Signature

8-19-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

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**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Morning Safety Tailgate Mtg held at 0700 under familiar overcast conditions, but no wind and only moderate fog in the mtn bowl. Standard concerns for the various points about the firmament offered, and for the mtn slopes the crew was applied there again today. The airborne smoke is again lessened today as well and only later could be discerned in the much higher atmosphere.

Crew applied to the mtn top spent several hours finishing the minor details remaining in selected debris cutting and hand picking. By mid-day the mtn was void of fog and heavy cloud cover so visual acuity about the slopes was strong. Site Supt Rollie Goebel and the QAR surveyed all upper mtn slopes and denoted those areas that required additional debris pick-ups. Moving about the rocks today was easier as they were dry due to the lack of fog. By day-end the last 2 Marookas rolled off the mtn loaded with miscellaneous debris. Both the Supt and QAR shot panaram digital photos of Sites 33 & 34, and debris Fields No's 1 & 2, now all void of debris, and confirmed to be Final Inspect-approved.

Other work accomplished as reported at the PCB pits at Site 31 Bldg 1001 MEC with furthered excavation at 31 "B" and 10 screening samples obtained to the deepest depth of all pits to 6 feet, and from a half-foot to a couple of feet at the other locations at 31 "A-2". Samples analyzed by the EnSys field test kits proved the "B" samples to have cleaned-up, and the "A-2" sample to still be above the nominal target level of 0.5 ppm PCB detect. An analysis of comparative tonnages tomorrow will tell us if we can continue to dig at 31 "A-2" to attempt to clear the pit.

Analytical lab results obtained today for previously EnSys-tested Bldg Sites 31 "C"; "D"; Room "F" concrete pad, and Bldg 109; all confirmed to be < 0.5 ppm. Fire pit ignited. A good progress day. Safety observed throughout

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ARE* *QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*20 Aug., '05*



### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

<b>Reference (CLIN No.)</b>	<b>Activity</b>	<b>Location</b>	<b>Contractor/ Subcontractor</b>	<b>Complete/ % Complete</b>
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/18/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with open excavations and uneven surfaces  
Level D PPE Laborers  
Heavy equipment operation---swing arc and pinch points  
Review of AHA#1 completed  
Concentration---maintain work focus as project time grows short  
Accident prevention---job has had so far 46 injury free days  
General site safety rules reviewed

**Worksite ID/Clin No:** CL000702/3-7

**SS/Lead and No. of workers:** L. MacDonald and (6) additional personnel.

**Task to be accomplished:** Remove, package and transport debris collected from debris field 1/2.

**Observations/Comments:** The sites were reviewed by Mr. Sam Mill, Corps of Engineers QAR for final acceptance. During his review process, a few additional areas required further remediation to meet the acceptance process and contract obligation. After a few hours of small area debris clean-up the crew had completed the debris collection on the upper mountain. The Activity Hazard Analysis (AHA) #1 Debris removal and Staging was reviewed prior to the beginning of the work day. PPE for the assigned task was available and utilized throughout the collection process. Final debris collection and removal were completed this date.



## Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
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Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste C1  
Anchorage, AK 995021117

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<b>Work Order:</b>	1055152	
	25037 NE Cape 04 036	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	August 18, 2005	

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Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.

- PRELIMINARY -



SGS Ref.# 1055152001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC011  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC011

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 10:00  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	80.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152006  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC021  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC021

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 10:20  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	82.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -





SGS Ref.# 1055152011  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC031  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC031

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 10:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	24.8 J	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152016  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC041  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC041

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 11:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152021  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC051  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC051

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 11:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152026  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC061  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC061

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 11:50  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152031  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC071  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC071

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/04/2005 15:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.9		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152036  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC081  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC081

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 9:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	81.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152041  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC091  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC091

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 10:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	44.5 J	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	79.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152042  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC092  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC092

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 10:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -





SGS Ref.# 1055152048  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC101  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC101

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 10:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surrogate>	82.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152055  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC111  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC111

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 11:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152060  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC121  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC121

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 11:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152061  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC122  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC122

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 11:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b>Polychlorinated Biphenyls</b>									
Aroclor-1016	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surrogate>	82.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152067  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC131  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC131

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/05/2005 12:15  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	88.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152074  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC141  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC141

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 8:30  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <sur>	80.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152075  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC142  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC142

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 8:30  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	83.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152081  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC151  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC151

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 8:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	88.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -





SGS Ref.# 1055152086  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC161  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC161

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 9:20  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surrogate>	90.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152091  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC171  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC171

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 9:40  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	85.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152096  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC181  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC181

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 10:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	91.2		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152101  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC191  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC191

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 10:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152106  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC201  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC201

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 10:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152111  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC211  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC211

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 11:15  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152116  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC221  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC221

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 8:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152121  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC231  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC231

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 9:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	77.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -





SGS Ref.# 1055152124  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC241  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC241

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 9:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81.9		%	SW8082	A	60-125	08/16/05	08/17/05	WAA

- PRELIMINARY -



SGS Ref.# 1055152127  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL24A  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL24A

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 9:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.3		%	SM20 2540G	A			08/16/05	HM

- PRELIMINARY -



SGS Ref.# 1055152128  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL56Re  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL56Re

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 15:50  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	114	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.6		%	SM20 2540G	A			08/16/05	HM

- PRELIMINARY -



SGS Ref.# 1055152129  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL61Re  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL61Re

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 15:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	77.1	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.4		%	SM20 2540G	A			08/16/05	HM

- PRELIMINARY -



SGS Ref.# 1055152130  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL109Re  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL109Re

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/18/2005 14:36  
Collected Date/Time 08/07/2005 18:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	145	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <sur>	82.2		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.5		%	SM20 2540G	A			08/16/05	HM

- PRELIMINARY -

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 056**

**Date or Time Period**  
**Friday August 19, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low cloud cover/fog, calm winds.

PM: Overcast, calm to light winds.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes: The Final Inspection was completed for Site 24 and Site 25.

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☒ No ☐ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total for Site 31A-2
Enslys PCB Screen	Soil	1	4

Four screen samples were collected from Site 31A-2.

Have Data Quality Objectives been achieved?

Yes ☒ No ☐ N/A ☐

Enslys QC standard tests performed to verify results for every six (maximum) samples collected.

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
PCB	EPA 8082	16	16
Oil Product	EPA 8082	1	1

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

Only soil samples were collected and the only analytes tested for are PCBs.

### Health and Safety

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued burning of stockpiled wood utilizing air curtain blower/burner.</li><li>3. Completed deepening by approximately 0.5 feet portions of Excavation Site 31A-2.</li><li>4. One soil sample was collected from Excavation Site 31A-2. The sample was field screened for PCBs using the Ensys field method.</li><li>5. A punch list inspection was completed by BEESC for Site 24 and Site 25. Additional debris (metal drum, wood poles, and metal poles) was removed after the inspection.</li><li>6. Pre-Final inspections were completed by the QAR and the Site Supervisor at Site 24 and Site 25. Noted deficiencies included a 55-gallon barrel and several wood communication poles. Correction action was undertaken and the subject barrel and poles were removed.</li><li>7. A Final Inspection was subsequently completed. No significant deficiencies were noted and no corrective action was required. The inspection closed out work debris removal work on Site 24 and Site 25.</li><li>8. Total personnel: 21.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Friday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	<b>8-19-05</b>		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler		11	
Michele Turner	Project Chemist			
Mac McDonald	Foreman		13	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		15	
John Wheeler	Operator		16.5	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		15	
Troy Whitmore	Oiler/Mechanic		15.5	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	



**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	4	8	6	3	4			137.5	165.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320								10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321									
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		6	2	4	3			96.5	107.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330			8		4			67	67
Marooka Track Truck MST 1500	50-350	2	10		5	3				
Marooka MST 2200 Dump Bed	50-351	10	10			5			64	89
Marooka MST 2200 Flatbed w/reel	50-352	10	7	10	10	10			123	155.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501			5					144.5	192.5
Cat 988B loader w/bucket & forks	50-505	3	1	10		7			114	121
Cat 12F Road Grader	50-700				2					
Gehl Forklift (8000#)	50-800		2						41.5	51.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100		4		8				31	39
Cat D8K Winch Cat	51-101								42	52
Hitachi EX300LC Excavator	51-200	8	6		8	10			78.5	122.5
Hitachi EX120 Excavator	51-204	10	10	10	10				198	244
BobCat					5				19	19

Materials Received to be Used on or Incorporated into Site

Vehicle and equipment parts arrived by air charter.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

The QAR requested the removal of additional debris from Site 24 and Site 25 after the Pre-Final inspection.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	45	46
Activity: CL001101, Surficial Debris Clean Up, Tundra NW of AFS Ops			
Activity: CL001102, Surficial Debris Clean Up at Cargo Beach			
Activity: CL001103, Surficial Debris Clean Up, E of Site 7 Landfill			
Activity: CL001104, Surficial Debris Clean Up AFS Ops Area	0%	50%	50%
Activity: CL001107, Surficial Debris Clean Up at Site 31			
Activity: CL001108, Surficial Debris Clean Up at Site 32			
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			
Activity: CL001202, Seeding at Cargo Beach Barge Landing Area			
Activity: CL001203, Seeding Tundra E of Site 7 Landfill			
Activity: CL001204, Seeding AFS Ops Area			
Activity: CL001205, Seeding Tundra at Site 24			
Activity: CL001205, Seeding Tundra at Site 25			
Activity: CL001205, Seeding Tundra at Site 31			
Activity: CL001205, Seeding Tundra at Site 32			

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- One BEESC personnel left the island via air charter.
- An Ensys PCB field screening tests on a soil pit bottom sample (portions of the pit were deepened to approximately 3 feet below surface grade) indicated PCB concentrations in the soil were below 0.5 ppm at Site 31A-2.
- The Final Inspection was completed for Site 24 and Site 25.

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Comments:

- No deficiencies were noted during the Final Inspections of Site 24 or Site 25.

Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	71.11
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>146.83</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		85.535
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>290.695</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seipt  
CQCSM Signature

8/20/05  
Date

Rollin E. Eichel  
Site Superintendent Signature

8-20-05  
Date

#### Government Quality Assurance Comments

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard concerns iterated at the 0700 hours Safety Tailgate. A light precipitation preceded this morning's heavy ground fog which lifted substantially at mid-day and even more later with light breezes in the afternoon. In the morning, it is estimated that the crew is within roughly 8 tons of available soils-'n-debris for the updated contract limit.

Crews were applied for several hours to the AFS Ops East pond-site excavations, the remote sites 24 & 25 in pre-final debris checks, the Site 31 PCB pit, the scrap steel staging area, the fire pit, and the active truck scale weighing and transport operation. The Site 31 PCB explorations have cleaned up with yesterday's EnSys tests with the exception of one: 31A-2; therefore after another ½ foot of excavation, 4 more samples were obtained for EnSys field analysis fro 31 A-2.

Fortunately, all 4 samples cleaned-up with the last EnSys tests. All samples of this past week were prepared for off-site lab analysis confirmation sampling. This means that all target PCB test pits from all project pits have revealed PCB results < 0.5 ppm as a result of preliminary EnSys tests. All PCB-contaminated soils gathered thus far , together with the estimated debris tally ( includes the fire pit steel ½ cylinders which shall also be taken away as debris ) fall within the overall debris-'n-soils CLIN tonnage tally. Fire curtain apparatus aerating the pit well – wood debris is being consumed rapidly.

By day-end, a noticeable volume of wood debris is turned to ash; some road repair has been undertaken – more planned for tomorrow; the scrap steel is near-complete in connex packaging; lots of connexes weighed and transferred to the beach staging area; Sites 24 & 25 inspected and confirmed to be cleared of debris and groomed – ready for seeding.

Today was the final day for scheduled visitors from the island towns of Gambell and Savoonga to visit this project site. Early afternoon messaging reveals this potential trip is once again cancelled ( fog throughout the island shall ground aircraft ). There shall be no more attempts to bring these local rep's to this site this season. The crew shall be active again through the weekend. Another productive day; QA photos obtained and transferred in advance of the Daily Report to the PDT this afternoon.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Miller*

*QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*21 Aug. '05*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (7/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (7/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/19/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with uneven surfaces  
Level D PPE Laborers---hearing protection where necessary  
Heavy equipment operation---three points of contact when entering and exiting equipment, swing arc and pinch points  
Burner operation---open excavation, extreme heat being generated, hearing protection required around air curtain, try to work upwind of burner to avoid smoke  
General site safety rules reviewed.

**Worksite ID/Clin No:**

**SS/Lead and No. of workers:** L. MacDonald and (4) additional personnel.

**Task to be accomplished:** Disposal of wooden debris by burning.

**Observations/Comments:** A pit was constructed approximately 4'x 10'x 30' on the 07102005. A tank cut in half provided the liner for the pit and was in place on 07132005. An area adjacent to the pit was set-up to stage collected wooden debris until burn operations commenced. Between July 10 and the 19 of August institutional controls in the form of barricades, caution tape and worker awareness have been in place and observed. Burn operation commenced on August 18 and will conclude at approximately 1200 on 20 August. A designated fire safety watch was assigned during all hours of operation. A water truck for emergency purposes was in close proximity of the burn area. PPE level for the task was D with hearing protection.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal  
Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 057**

Date or Time Period  
**Saturday August 20, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low cloud cover/fog, calm winds.

PM: Overcast, calm to light winds, light precipitation.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes: Punch List Inspections were completed for the area northwest of the AFS Ops Area, at Site 31 and at Site 32. A Pre-Final Inspection was complete at the Site 7 Landfill.

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

Have Samples Been Collected for Laboratory Analysis?

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

BEESC completed a field screening of oil recovered from a barrel that was punctured during excavation work at Site 7. The results indicated concentrations of PCBs, if present at all, were significantly less than 1000 ppm.

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued burning of stockpiled wood utilizing air curtain blower/burner.</li><li>3. Began moving connexes from the staging site in the AFS Ops area to Cargo Beach.</li><li>4. Backfilled all soil excavation sites. Plastic sheeting was laid in the bottom of excavation pits where analytical data had not yet been received confirming that the concentrations of PCBs in the soil was in compliance with clean up level objectives.</li><li>5. Punch list inspections were completed by the Site Supervisor and CQC Officer for Site Debris Clean Up northwest of the AFS Ops Area, at Site 31 and at Site 32.</li><li>6. Pre-Final inspections were completed by the QAR and the Site Supervisor along the embankment east of Cargo Beach Road at Site 7. Noted deficiencies included a 55-gallon barrel other miscellaneous small sized debris which required removal or consolidation with the existing landfill material, and covering protruding barrels on the west side of the landfill with rock fill. Corrective action is in the process of being completed.</li><li>7. Completed seeding and applying fertilizer at Site 24 and Site 25.</li><li>8. Completed a Clor-D-Tect field screening of the oil from a barrel removed from Site 7. The results indicated concentrations of PCBs, if present at all, were significantly less than 1000 ppm.</li><li>9. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Saturday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>8-20-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy TrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	8	8
Ford Lube/Fuel Tk	50-201	4	8	6	3	4	5	30	165.5	195.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321						1	1	0	1
Kenworth Tractor-5 <sup>th</sup> wheel	50-329		6	2	4	3	10	15	107.5	122.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330			8		4	6	18	67	85
Marooka Track Truck MST 1500	50-350	2	10		5	3		20	0	20
Marooka MST 2200 Dump Bed	50-351	10	10			5		25	89	104
Marooka MST 2200 Flatbed w/reel	50-352	10	7	10	10	10	5	52	155.5	207.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8



Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501			5			5	10	192.5	202.5
Cat 988B loader w/bucket & forks	50-505	3	1	10		7	9	30	121	151
Cat 12F Road Grader	50-700				2			2	0	2
Gehl Forklift (8000#)	50-800		2					2	51.5	53.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100		4		8		1	13	39	52
Cat D8K Winch Cat	51-101							0	52	52
Hitachi EX300LC Excavator	51-200	8	6		8	10	2	34	122.5	156.5
Hitachi EX120 Excavator	51-204	10	10	10	10		9	49	244	293
BobCat					5			5	19	24

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

The QAR requested the removal of additional debris from Site 7 embankment and the covering of exposed barrels along the west side of the landfill.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	46	47
Activity: CL001101, Surficial Debris Clean Up, Tundra NW of AFS Ops			95%
Activity: CL001103, Surficial Debris Clean Up, E of Site 7 Landfill			95%
Activity: CL001104, Surficial Debris Clean Up AFS Ops Area	40%	50%	90%
Activity: CL001107, Surficial Debris Clean Up at Site 31			95%
Activity: CL001108, Surficial Debris Clean Up at Site 32			95%
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			
Activity: CL001202, Seeding at Cargo Beach Barge Landing Area			
Activity: CL001203, Seeding Tundra E of Site 7 Landfill			
Activity: CL001204, Seeding AFS Ops Area			
Activity: CL001205, Seeding Tundra at Site 24			100%
Activity: CL001206, Seeding Tundra at Site 25			100%
Activity: CL001207, Seeding Tundra at Site 31			
Activity: CL001208, Seeding Tundra at Site 32			

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- A Clor-D-Tect field screening test on a oil from a barrel remove from Site 7 indicated concentrations of PCBs, if present at all, were significantly less than 1000 ppm. An oil sample was also sent to an analytical laboratory to confirm the screen test results.
- Punch list inspections were completed at northwest of the AFS Ops Area, at Cargo Beach in the vicinity of the barge ramp, at Site 31 and at Site 32.
- A Pre-Final Inspection was completed at Site 7.
- Completed CLIN Activities CL001101, CL001103, CL001107, CL001108, CL001205 and CL001206.
- CLIN Activity CL001102 was listed in yesterday's Project Summary To Date as being incomplete. The activity was previously completed on 712/05.

Comments:

- None.

Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL TONNAGE</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	71.11
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>146.83</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		85.535
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>290.695</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001403	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000603	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05	CL001101	8/20/05	CL001103	8/20/05
CL001107	8/20/05	CL001108	8/20/05	CL001205	8/20/05	CL001206	8/20/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Sengit  
CQCSM Signature

8/22/05  
Date

Rollie Roedel  
Site Superintendent Signature

8-22-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

The 0700 hours Safety Tailgate was held under overcast and moderate ground fog conditions. Fog slowly lifted, returned at mid-day, and lifted again. A light precipitation fell on the area late in the morning which served to hold the road dust down – More rain arrived just after the dinner hour. Winds remained light though so taskwork was not impeded.

As reported, the crews are applied to all of the functions listed. Sites 24 & 25 received fertilizer & seed; Sites 31 and 32 are cleared for same. PCB holes are all backfilled and graded with material from the approved on-site gravel material source. QA inspected the Site 7 and photo'd the drums lodged in to the East slope, there. The third of those 3 drums, was stack-covered with boulders so to isolate the drum from the public should these fluids be left in-situ. Determination is yet to be made on this issue. Plastic sheathing emplaced within the 4 topside PCB test pits in anticipation of any potential of a failed off-site lab result, Pits are readied for backfill.

There are no haz-cattig kits on-site; The Chlor-D-Tect test kit that arrived last night was sufficient to test one barrel only. This test was applied to the single drum discovered on Site 7 West; results bore out that a PCB content, if existent at all, is low level. The entire access route from the beach to airstrip camp to the AFS Ops area is being leveled and graded with gravel today – extensive road repair to be left for the fishing village. Transport of connexes, and active burn pit, continue. Soil and debris weights totaled last night indicate the target debris tally has not been exceeded and still looking good. QA photos obtained; Safety observed throughout.

QAR is informed that reservations for DoD-approved aircraft Charters are scant for the upcoming week. This item is to be explored further next Monday, 22 August.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ACE/QAR*

\_\_\_\_\_  
QAR Signature

*21*

Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*Aug. 2005*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)



Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	95% (8/20/05)
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	95% (8/20/05)
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (8/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (8/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	95% (8/20/05)
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	95% (8/20/05)
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	100% (8/20/05)
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	100% (8/20/05)
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

<b>Reference (CLIN No.)</b>	<b>Activity</b>	<b>Location</b>	<b>Contractor/ Subcontractor</b>	<b>Complete/ % Complete</b>
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**Date:** 08/20/2005

**Safety Meeting:** 7:00 AM

**Topics:** Slips, trips and falls associated with uneven surfaces  
Level D PPE Laborers---hearing protection where necessary  
Heavy equipment operation---three points of contact when entering and exiting equipment, swing arc and pinch points  
Burner operation---winding down, ashes removed to promote cooling, the excavation will remain open until sampling of the ash is completed.  
General site safety rules reviewed.

**Worksite ID/Clin No:**

**SS/Lead and No. of workers:** L. MacDonald and (1) operator.

**Task to be accomplished:** Disposal of wooden debris by burning.

**Observations/Comments:** The conclusion of burn operations. A verification of burn contents was conducted. When the ash by-products have sufficiently cooled the materials were placed in a lined Baker box for off-island transport. The steel tank used as a lining for the pit will be removed, cut and stowed in a cargo container for off-island transport to a scrap facility. A test sample of the ash will be collected on 08222005 for lab analysis. After the ash is collected and tank removed, backfilling of the hole will take place. This will conclude burn operations at Northeast Cape.

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 058**

Date or Time Period  
**Sunday August 21, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low:

Temp High:

AM:

PM:

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory:

Initial:

Follow-up:

Notes:

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

**Have Samples Been Collected for Laboratory Analysis?**

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☐

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☐ No ☒ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC day off for field personnel.</li><li>2. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Sunday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>		<b>8-21-05</b>		
Steve Johnson	Project Manager			
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent			
Hank Seipt	CQCSM			
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO			
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman			
Kim Leach	Driver/Operator			
Bill Thorton	Operator			
John Wheeler	Operator			
Olaf Matson	Driver			
Rick Beasley	Mechanic			
Troy Whitmore	Oiler/Mechanic			
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer			
Sam Mokiyuk	Laborer			
Truman Kava	Laborer			
Paul Rookok	Laborer			
Sylvia Toolie	Office Staff			
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	8	8
Ford Lube/Fuel Tk	50-201							30	165.5	195.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320							0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321							1	0	1
Kenworth Tractor-5 <sup>th</sup> wheel	50-329							15	107.5	122.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330							18	67	85
Marooka Track Truck MST 1500	50-350							20	0	20
Marooka MST 2200 Dump Bed	50-351							25	89	104
Marooka MST 2200 Flatbed w/reel	50-352							52	155.5	207.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8

Equipment Type	BEESC Number	M-15	T-16	W-17	TH-18	F-19	S-20	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501							10	192.5	202.5
Cat 988B loader w/bucket & forks	50-505							30	121	151
Cat 12F Road Grader	50-700							2	0	2
Gehl Forklift (8000#)	50-800							2	51.5	53.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100							13	39	52
Cat D8K Winch Cat	51-101							0	52	52
Hitachi EX300LC Excavator	51-200							34	122.5	156.5
Hitachi EX120 Excavator	51-204							49	244	293
BobCat								5	19	24

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

None.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒



**Progress Tracking Table**

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	47	48
Activity: CL001104, Surficial Debris Clean Up AFS Ops Area	40%	50%	90%
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			
Activity: CL001202, Seeding at Cargo Beach Barge Landing Area			
Activity: CL001203, Seeding Tundra E of Site 7 Landfill			
Activity: CL001204, Seeding AFS Ops Area			
Activity: CL001207, Seeding Tundra at Site 31			
Activity: CL001208, Seeding Tundra at Site 32			

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- BEESC day off for field personnel.

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Comments:

- None.

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Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL TONNAGE</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	71.11
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>146.83</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		85.535
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>290.695</b>

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COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05	CL001101	8/20/05	CL001103	8/20/05
CL001107	8/20/05	CL001108	8/20/05	CL001205	8/20/05	CL001206	8/20/05

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/22/05  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Crew field work idle today with the exception of the fire pit. A computer and paperwork day.

QA Safety Inspections/Observations not noted in above comments:

*S.A. Mills* *ADSE* */QAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*EE* *Aug. 2005*

## CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 2 1/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 1 1/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 1 1/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	95% (8/20/05)
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	95% (8/20/05)
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (8/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (8/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	95% (8/20/05)
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	95% (8/20/05)
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	100% (8/20/05)
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	100% (8/20/05)
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)



<b>Reference (CLIN No.)</b>	<b>Activity</b>	<b>Location</b>	<b>Contractor/ Subcontractor</b>	<b>Complete/ % Complete</b>
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

**Contract Number / Delivery Order Number**  
**BEESC Project No. 25037**

**UPC/Project Title and Location of Work**  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

**CQC Report Number**  
**N. E. Cape 059**

**Date or Time Period**  
**Monday August 22, 2005**

**Client**  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 45-50

Temp High: 50-55

AM: Low cloud cover, calm winds.

PM: High overcast, calm to light winds, light to moderate precipitation.

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes: Punch List Inspections were completed for the AFS Ops Area and the Cargo Beach barge ramp area. Pre-Final/Final Inspections were completed at the AFS Ops Area, the tundra area northwest of the AFS Ops Area, Site 7, Site 31, Site 32 and the Tram Line. It was agreed to by the QAR and the Site Superintendent that no seeding or fertilizer application would be done at the Cargo Beach site because of the low likelihood of seed germination due to the sandy and salty conditions found along the beach in the vicinity of the barge ramp. The seed/fertilizer acreage allotted to the Cargo Beach ramp site would instead be exchanged for disturbed acreage at two locations in the vicinity of AFS Ops Area and between Site 31 and Site 32 where grass was more likely to grow.

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

Have Samples Been Collected for Laboratory Analysis?

Yes ☒ No ☐ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples
Hazardous Waste Characterization	Metals	1	1

Have QA and QC samples been collected in the specified quantity?

Yes ☒ No ☐ N/A ☐

Have samples been properly labeled and packaged?

Yes ☒ No ☐ N/A ☐

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☒ No ☐ N/A ☐

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

One ash sample from the debris burner operation was collected.

### Health and Safety

Worker protection levels this date: Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space? Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health? Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required? Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day? Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report) Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment? Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

### Work Activities Performed This Date

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued moving connexes from the staging site in the AFS Ops area to Cargo Beach.</li><li>3. Completed debris removal activities at the AFS Ops Area.</li><li>4. Completed seeding and applying fertilizer at the AFS Ops Area, Site7, Site 31, and Site 32.</li><li>5. Excavated and loaded ash from the fire pit into a Baker Box.</li><li>6. Completed backfilling the fire/burner pit.</li><li>7. Total personnel: 20.</li></ol>

**Manpower On Site**

<b>Personnel</b>	<b>Classification</b>	<b>Monday</b>	<b>Hours</b>	<b>Off Island</b>
<b>BEESC</b>				
Steve Johnson	Project Manager	8-23-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

# Equipment On Site

Equipment Type	BEESC Number	M-22	T-23	W-24	TH-25	F-26	S-27	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200							0	8	8
Ford Lube/Fuel Tk	50-201	3						30	165.5	195.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320	8						0	10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321							1	0	1
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10						15	107.5	122.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	6						18	67	85
Marooka Track Truck MST 1500	50-350							20	0	20
Marooka MST 2200 Dump Bed	50-351							25	89	104
Marooka MST 2200 Flatbed w/reel	50-352							52	155.5	207.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415							0	8	8

Equipment Type	BEESC Number	M-22	T-23	W-24	TH-25	F-26	S-27	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426							0	21	21
Cat 980C loader w/bucket & forks	50-501							10	192.5	202.5
Cat 988B loader w/bucket & forks	50-505	9						30	121	151
Cat 12F Road Grader	50-700							2	0	2
Gehl Forklift (8000#)	50-800							2	51.5	53.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1						13	39	52
Cat D8K Winch Cat	51-101							0	52	52
Hitachi EX300LC Excavator	51-200	2						34	122.5	156.5
Hitachi EX120 Excavator	51-204	4						49	244	293
BobCat								5	19	24

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

The salty and sandy environment of Cargo Beach was not likely to be conducive for grass growth, thus, it was agreed upon by the QAR and Site Supervisor not to seed the barge area. To compensate for the for the Cargo Beach site, the QAR instructed the BEESC Site Supervisor to spread seed and fertilizer over the connex staging area by AFS Ops, the fuel farm area/upper metal storage yard/equipment staging area, and east of the roadway between Site 31 and Site 32.

### Work Progress

Are there any Contractor-caused delays or potential finding of fact?  
Are there any Government-caused delays or potential finding of fact?  
Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒  
Yes ☐ No ☒  
Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	48	49
Activity: CL001104, Surficial Debris Clean Up AFS Ops Area	5%	90%	95%
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			
Activity: CL001202, Seeding at Cargo Beach Barge Landing Area			100%*
Activity: CL001203, Seeding Tundra E of Site 7 Landfill			100%
Activity: CL001204, Seeding AFS Ops Area			100%
Activity: CL001207, Seeding Tundra at Site 31			100%
Activity: CL001208, Seeding Tundra at Site 32			100%

\* No seed or fertilizer applied due to a salty, sandy beach environment which was not conducive to the growth of grass.

Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- In lieu of spreading seed and fertilizer at the Cargo Beach barge ramp, seed will be/was spread at two locations in the vicinity of AFS Ops Area (connex staging area and the fuel farm area/upper metal storage yard/equipment staging area), and east of the roadway between Site 31 and Site 32. and between Site 31 and Site 32.
- Completed CLIN Activities CL001104, CL001202, CL001203, CL001204, CL001207 and CL001208.
- Final Inspections were completed for debris removal at the AFS Ops Area, the tundra area northwest of the AFS Ops Area, Site 7, Site 31, Site 32 and the Tram Line.

Comments:

- None.

Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL TONNAGE</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	74.83
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>150.55</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		85.535
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>290.695</b>



COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05	CL001101	8/20/05	CL001103	8/20/05
CL001107	8/20/05	CL001108	8/20/05	CL001205	8/20/05	CL001206	8/20/05
CL001104	8/22/05	CL001202	8/22/05	CL001203	8/22/05	CL001204	8/22/05
CL001207	8/22/05	CL001208	8/22/05				

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/23/05  
Date

Roller Label  
Site Superintendent Signature

8-23-05  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

**QAR Signature**

**Date**

**Supervisor's Initials**

**Date**

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

Standard issues covered at the 0700hours Safety Tailgate. Morning fog eventually lifts in a few hours; Moderate breezes today under broken overcast conditions; precipitation at noon and later in the day & evening; Generally good working weather all day for fertilizer and seeding spreaders which appear to work well. These spreaders are attached to the backside of a pair of ATV's and work well in deploying granules in a roughly 10 foot radius about the backside of the ATV. The fertilizer is comprised of small white pellets and as compared with the seed, is readily observable in contrast against the ground surface. The spreading capability of the ATV-mounted machines is apparent. It is hoped that the light rains help to saturate and hold down the fertilizer and seed particulates before strong winds arrive.

Other work accomplished as reported. All wood debris has been burned; Fuel pit ½ cylinders ready to be weighed and cut-up for transport; The fuel farm is underway in break-down. After dinner, a driving tour of the remaining areas to be punchlist-inspected is accomplished; all looking good in grading prep' and/ or final completion of seeding. Crew also delivered seed by-hand to lessen waste to those strips where the ATV could not discriminate track lines for deployment of seed. With the goal of erosion prevention in mind, QAR made the decision to use the seed intended for the beachfront sand access area, to be re-deployed to the upper staging area circa the fuel farm. This area is outside of the design footprint of the AFS Ops area; Seed is more likely to take hold here, than in the sand near the beach.

It should be noted that this is a late-season deployment of seed. The late autumn deployment of seed on this acreage is not the prime time to deploy seed. This seed is being deployed at project end with the hope that some of this seed will (1) not blow away with the expected more-frequent arrival of autumn season wind patterns ( some of which are predicted for tomorrow with a new low pressure system slated to arrive ); and (2) will survive the germination expected with autumn precipitation, but followed by the almost certain evening frost expected in early September in 2 -3 weeks.

Ensuing frost so soon after a germination may not allow the grass the time to mature and root with strength for cold season hibernation; rather the frost might have a disastrous effect on the germinating seed, thus killing it in its infancy. While these re-seeding zones might re-grow naturally, follow-up inspection is nevertheless recommended in the ensuing year(s) to ascertain any growth to the target areas – particularly the bald areas that possess little-to-no protective light grass overgrowth to hold this seed down

The project Weekly tele-conference is planned for tomorrow morning Tuesday, 23 August at 0900 hours for overall updates. It is already known that air flight reservations for off-island evacuation of the labor employees and the QAR shall be tight over the next few days as the air carriers have been routinely booked-up well in advance the last few weeks partially due to delays caused by weather, forest fire, and community medical evac' needs. Reminder that the QAR requires a DoD-approved air Charter aircraft and only a few companies can provide this need. Not only that, the QAR is informed there may be no Charter available direct to Fairbanks. QAR may have to pack this office through Alaska Airlines after an overnight stay in Nome.

Decisions shall be made regarding 5 additional Site 7 exposed drums. Note that one slightly torn drum was already pumped free of oil to a transport drum and removed from the West slope thus far; The Ktr has discovered 2 more partially exposed drums on the West slope face, one of which has a topside hole in it, and 3 more drums that we are aware of on the East slope face ( therefore 5 current exposed drums total ). One of the East slope drums is situated at the toe of the East slope and is currently protected with boulders so to inhibit the potential leaker from public access.

Only one of the drums is observed to possess a topside tear in the drum body; upon recent further investigation, this Site 7 West slope drum has been observed to contain largely an apparent water content with a floating petroleum layer atop ( It is assumed water has infiltrated the drum over the years through the topside tear ). The Ktr currently possesses no more Chlor-'n-Oil detect kits at camp with which to test this drum or any others, and possesses only a few empty transport drums that might be used to pump these contents off for island evacuation. Solutions are expected to be discussed at the Weekly tele-conference tomorrow.

QA photos obtained.

QA Safety Inspections/Observations not noted in above comments:

<u>S.A. Mills</u>	<u>ABE</u>	<u>QAR</u>	
QAR Signature	Date	Supervisor's Initials	Date
	24 Aug.		'05

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2" dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	95% (8/20/05)
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	95% (8/20/05)
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	95% (8/22/05)
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (8/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (8/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	95% (8/20/05)
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	95% (8/20/05)
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	100% (8/22/05)
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	100% (8/22/05)
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	100% (8/22/05)
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	100% (8/20/05)
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	100% (8/20/05)
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	100% (8/22/05)
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	100% (8/22/05)
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)



## **WEEKLY MEETING**

**AUGUST 23, 2005**

**09:00-09:30**

**NE Cape: R. Goebel, H. Seipt, T. Peterson, and S. Mills**

**BEESC Anchorage: S. Johnson, M. Turner, and P. Curl**

**USACE: P. Schneider and L. Geist**

### **BEESC AGENDA**

#### **1. Progress for the Week**

##### **A. R. Goebel**

**All debris removal work has been completed.**

**85% of seeding completed with the balance to be finished today.**

**Removal of the scale is anticipated to be completed today/**

**Three additional areas not defined in CIINs will be completed. The Cargo Beach area will be deleted as it is doubtful that seed will germinate in the beach sand.**

**Camp demobilization will begin today.**

#### **2. Waste Transport**

##### **P. Curl**

**Manifests are in Nome. Expect them to be delivered tomorrow. Sam will need to sign.**

**Barge in the 29<sup>th</sup> depending on weather and other stops.**

**Scrap metal is going to a recycler in Seattle**

#### **3. Drum with unknown content**

##### **S. Johnson**

**Drum located on both the east and west sides of Site 7 Landfill.**

**If contents obviously not oil, a volatile scan will be required.**

**Testing of drums**

**Cons**

**BEESC not prepared for drum testing work---no PPE**

**Unknown product, safety issue exists due to possible hazards to workers**

**Mess could be create when handling**

**Possibility of finding more drums, other than 4 to 5 thought to be exposed as landfill embankment**

#### **4. Alternatives**

##### **P. Schneider**

**Possibility of combining drum work with Gambil job**

**Leave drums as they are**

**Possibility of going after any compromised drums**

**Decided the latter alternative the most feasible**

#### **5. Demobilization**

##### **R. Goebel**

**Personnel scheduled to leave island beginning 8/24**

**Savoonga laborers first personnel to leave---Nome for exit physicals**

**NE CAPE TRAM & DEBRIS REMOVAL  
TELECON AGENDA  
0900 hr August 23, 2005**

Reminder: Conference call-in number: 1 (800) 315-6338, Access code: 25037#

1. Progress to date
  - a. Work Items Summary
  - b. Health and safety issues
  - c. Waste transport/disposal issues
2. Work for upcoming week/Schedule update
  - a. Unknown drums in landfill at Site 7
  - b. Demobilization
3. Other issues

**DAILY QUALITY CONTROL REPORT**  
**ENVIRONMENTAL QUALITY CONTROL/QUALITY ASSURANCE REPORT**  
(ER 415-1-302)

Contract Number / Delivery Order Number  
**BEESC Project No. 25037**

UPC/Project Title and Location of Work  
**White Alice Tram and Debris Removal**  
**Northeast Cape, St. Lawrence Island, AK.**

CQC Report Number  
**N. E. Cape 060**

Date or Time Period  
**Tuesday August 23, 2005**

Client  
**USACE, Alaska District**

**Weather Conditions:**

Temp Low: 40-45

Temp High: 45-50

AM/PM: Low to moderate cloud cover, stormy, light variable precipitation, high sustained winds (+25 MPH).

**Quality Control Inspections Performed This Date** (Include inspections, results, deficiencies observed and corrective action.)

Preparatory: No

Initial: No

Follow-up: No

Notes: All field CLINs successfully completed.

**Deficiencies noted and/or corrected this day** (Include corrective action taken and anticipated date of correction).

**Field Sampling and Testing**

Has field testing been performed this date?

Yes ☐ No ☒ N/A ☐

Type of Test	Method/Matrix	Quantity of Samples	Total

Have Data Quality Objectives been achieved?

Yes ☐ No ☐ N/A ☒

Have Samples Been Collected for Laboratory Analysis?

Yes ☐ No ☒ N/A ☐

Type of Test	EPA Test Method/Matrix	Daily Samples	Total Samples

Have QA and QC samples been collected in the specified quantity?

Yes ☐ No ☐ N/A ☒

Have samples been properly labeled and packaged?

Yes ☐ No ☐ N/A ☒

Have appropriate QC laboratory tests been ordered? (matrix spikes, method blanks, surrogates, reference standards, etc.)

Yes ☐ No ☐ N/A ☒

Have required amount of QC trip blanks and rinsates been achieved?

Yes ☐ No ☐ N/A ☒

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**Health and Safety**

Worker protection levels this date:

Level B ☐ Level C ☐ Level D ☐ Modified Level D ☒

Was any work activity conducted within a confined space?

Yes ☐ No ☒ N/A ☐

Was any work activity conducted within an area determined to be immediately dangerous to life and health?

Yes ☐ No ☒ N/A ☐

Were approved decontamination procedures used on workers and equipment as required?

Yes ☐ No ☐ N/A ☒

Was a Job Safety Meeting held this day?

Yes ☒ No ☐ N/A ☐

Were there any "Lost Time" accidents this day? (If YES, attach copy of completed accident report)

Yes ☐ No ☒ N/A ☐

Was hazardous waste/materials released into the environment?

Yes ☐ No ☒ N/A ☐

Safety Comments: (include any infractions of approved safety plan, and include instructions from government personnel. Specify corrective action taken.)

**Work Activities Performed This Date**

Specification or Contract Reference	Activity and Location
	<ol style="list-style-type: none"><li>1. BEESC shift work started at 7:00 hrs.</li><li>2. Continued moving connexes from the staging site in the AFS Ops area to Cargo Beach.</li><li>3. Completed seeding and applying fertilizer at the area northwest of AFS Ops Area, at the connex staging area by AFS Ops and at the fuel farm area/upper metal storage yard/equipment staging area.</li><li>4. Removed contents of one breached barrel located on the west side of the Site 7 Landfill.</li><li>5. Began packing equipment and material for demobilization.</li><li>6. Removed weigh scale.</li><li>7. Total personnel: 20.</li></ol>

**Manpower On Site**

Personnel	Classification	Tuesday	Hours	Off Island
<b>BEESC</b>				
Steve Johnson	Project Manager	8-23-05		
Clark Roberts	CIH			
Rollie Goebel	Site Superintendent		11	
Hank Seipt	CQCSM		11	
Chuck Croley	Alt. CQCSM			
Toby Petersen	SSHO		11	
Larry Pederson	Environmental Sampler			
Michele Turner	Project Chemist			
Mac McDonald	Foreman		11	
Kim Leach	Driver/Operator		11	
Bill Thorton	Operator		11	
John Wheeler	Operator		11	
Olaf Matson	Driver		11	
Rick Beasley	Mechanic		11	
Troy Whitmore	Oiler/Mechanic		11	
Carl Calugen	Laborer Foreman			
Eugene Toolie	Laborer		11	
Sam Mokiyuk	Laborer		11	
Truman Kava	Laborer		11	
Paul Rookok	Laborer		11	
Sylvia Toolie	Office Staff		10	
Rhonda Curtain	Office Staff			
<b>FAIRWEATHER</b>				
Tim Atkinson	Medic		1 Day	
<b>ARCTIC CATERING</b>				
Greg Swank	Camp Man./Cook		1 Day	
Tim Gregory	Maintenance		1 Day	
Matt Vicks	Cook Assistant		1 Day	
<b>USACE</b>				
Sam Mills	QAR		1 Day	

**Equipment On Site**

Equipment Type	BEESC Number	M-22	T-23	W-24	TH-25	F-26	S-27	Week's Total	Prior Weeks	Total
Ford Expedition XLT (Medic)	50-100	Daily	Daily	Daily	Daily	Daily	Daily			
ChevyTrailBlazer (QAR)	50-139	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Extended Cab 4X4 Pickup	50-133	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Sierra 1500 (CQC)	50-117	Daily	Daily	Daily	Daily	Daily	Daily			
Ford F150 XL Ext. Cab P/U (SSHO)	50-113	Daily	Daily	Daily	Daily	Daily	Daily			
Chevy Blazer 4X4	50-136	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Super Crew Cab 4X4 Pickup	50-138	Daily	Daily	Daily	Daily	Daily	Daily			
GMC Crew Cab P/U	50-115	Daily	Daily	Daily	Daily	Daily	Daily			
Ford Utility/Mechanic Tk.	50-200								8	8
Ford Lube/Fuel Tk	50-201	3	2						165.5	195.5
Ottawa Yard Goat-5 <sup>th</sup> wheel	50-320	8							10	10
Kaiser 6X6 Cargo Tk. w/tank	50-321		4						0	1
Kenworth Tractor-5 <sup>th</sup> wheel	50-329	10							107.5	122.5
Kenworth Tractor-5 <sup>th</sup> wheel	50-330	6	8						67	85
Marooka Track Truck MST 1500	50-350								0	20
Marooka MST 2200 Dump Bed	50-351								89	104
Marooka MST 2200 Flatbed w/reel	50-352								155.5	207.5
40' Trailer—Utility Flatbed	50-403									
40' Trailer—Wilson Flatbed	50-405									
32' AR400 Demo End Dump	50-408									
36' AR400 Demo End Dump	50-410									
Onyx ATV Trailer	50-415								8	8

Equipment Type	BEESC Number	M-22	T-23	W-24	TH-25	F-26	S-27	Week's Total	Prior Weeks	Total
.RFR10 Log Loader (Bailey Truck)	50-426								21	21
Cat 980C loader w/bucket & forks	50-501								192.5	202.5
Cat 988B loader w/bucket & forks	50-505	9	10						121	151
Cat 12F Road Grader	50-700								0	2
Gehl Forklift (8000#)	50-800								51.5	53.5
Argo 6 Wheeler	50-900									
Argo 6 Wheeler	50-902									
Argo 6 Wheeler	50-903									
Honda Rancher 4 Wheeler	50-911	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-912	Daily	Daily	Daily	Daily	Daily	Daily			
Honda Rancher 4 Wheeler	50-915	Daily	Daily	Daily	Daily	Daily	Daily			
Arctic Cat 4 Wheeler	50-917	Daily	Daily	Daily	Daily	Daily	Daily			
Cat D8K Ripper Cat	51-100	1							39	52
Cat D8K Winch Cat	51-101								52	52
Hitachi EX300LC Excavator	51-200	2							122.5	156.5
Hitachi EX120 Excavator	51-204	4	3						244	293
BobCat									19	24

Materials Received to be Used on or Incorporated into Site

None.

Instructions Given by Government to BEESC (include names, reactions, and remarks.)

Received instructions to remove the contents of one breached barrel located on the west side of the Site 7 Landfill. After contents (water and a thin layer of oil) the barrel opening was plugged, the barrel covered in plastic, and the plastic secured by rocks.

#### Work Progress

Are there any Contractor-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any Government-caused delays or potential finding of fact?

Yes ☐ No ☒

Are there any unforeseeable or weather-related delays?

Yes ☐ No ☒

### Progress Tracking Table

PROJECT SUMMARY TO DATE			
Item	Today's Total (Units)	Previous Total	Project Total
Activity: CL000401, Field Overhead	1	49	50
Activity: CL001201, Seeding Tundra Area NW of AFS Ops			100%

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Remarks (include any visitors to project and miscellaneous remarks pertinent to work.)

- Weekly teleconference meeting conducted today.
- Completed CLIN Activity CL001201.
- No deficiencies noted by QAR for finished work. All CLINs successfully completed.

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Comments:

- None.



Summary of Tonnage Weighed by CLIN for Pay Units Denominated in Tons

CLIN 5 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000501-CL000518	Tram System Cable & Wire	105	101.895
<b>TOTAL TONNAGE</b>		<b>105</b>	<b>101.895</b>

CLIN 7 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000701	Drums	3	4.07
CL000702	Debris Field #1	20	31.86
CL000703	Debris Field #2	20	15.38
CL000704	Borrow Loading Area	2	3.57
<b>TOTAL TONNAGE</b>		<b>45</b>	<b>54.88</b>

CLIN 8 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000801	Welder	1	0.9
CL000802	Cargo Beach Debris	30	21.89
CL000803	Cargo Beach Road Debris	5	20.91
CL000804	Tank Areas	280	318.96
CL000805	Chevy Blazer	3	2.12
CL000806	Cummins Engines	36	27.76
CL000807	Site 7 Landfill	50	108.22
<b>TOTAL TONNAGE</b>		<b>405</b>	<b>500.76</b>

CLIN 9 ACTIVITY	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL000901	Thermo Anchor	1	0.1
CL000902	Steel Tanks	6	1.08
CL000903	Pole Group A	3	1.86
CL000904	Pole Group B	1	0.47
CL000905	Pole Group C	2	3.48
CL000906	Pole Line 5	0.5	0.57
CL000907	Pole Group D	10	5
CL000908	Marston Matting	15	17
CL000909	Metallic Debris	100	74.83
CL000910	Armored Cable/Wire	10	3.33
CL000911	Armored Cable/Wire	25	27.4
CL000912	Armored Cable/Wire	1.5	1.6
CL000913	Antenna	1	1.69
CL000914	Antenna	1	2.3
CL000915	Concrete Foundations	1	9.84
<b>TOTAL TONNAGE</b>		<b>178</b>	<b>150.55</b>

CLIN 14 & 15 ACTIVITIES	ITEM DETAIL	USACE ESTIMATE	WEIGHT IN TONS
CL001401	PCB Contaminated Soil	100	100
CL001501	Additional PCB Contaminated Soil	100	105.16
CL001501+	Additional PCB Contaminated Soil		85.535
<b>TOTAL TONNAGE</b>		<b>200</b>	<b>290.695</b>

COMPLETED CLIN FIELD ACTIVITIES

Activity	Date Completed	Activity	Date Completed	Activity	Date Completed	Activity	Date Completed
CL000206	7/3/05	CL000103	7/4/05	CL001002	7/5/05	CL000301	7/7/05
CL001601	7/8/05	CL001603	7/8/05	CL001004	7/8/05	CL001602	7/10/05
CL000912	7/10/05	CL000903	7/11/05	CL000904	7/11/05	CL000906	7/11/05
CL000803	7/12/05	CL000802	7/12/05	CL001102	7/12/05	CL000907	7/13/05
CL000909	7/13/05	CL000913	7/14/05	CL000806	7/14/05	CL000801	7/15/05
CL001001	7/16/05	CL000914	7/16/05	CL000704	7/19/05	CL001401	7/20/05
CL001402	7/20/05	CL001403	7/20/05	CL001404	7/20/05	CL001405	7/20/05
CL001406	7/20/05	CL001407	7/20/05	CL001408	7/20/05	CL001409	7/20/05
CL001410	7/20/05	CL001411	7/20/05	CL001412	7/20/05	CL001413	7/20/05
CL001414	7/20/05	CL001415	7/20/05	CL001416	7/20/05	CL001105	7/20/05
CL001106	7/20/05	CL000911	7/20/05	CL000302	7/20/05	CL000620	7/20/05
CL001003	7/21/05	CL000908	7/23/05	CL000902	7/26/05	CL000618	7/27/05
CL000701	7/27/05	CL000601	7/29/05	CL000602	7/29/05	CL000603	8/2/05
CL000604	8/2/05	CL000605	8/2/05	CL000606	8/3/05	CL000607	8/3/05
CL000608	8/5/05	CL000609	8/5/05	CL000610	8/5/05	CL000611	8/5/05
CL000612	8/5/05	CL000613	8/5/05	CL000614	8/5/05	CL000615	8/5/05
CL000616	8/5/05	CL000617	8/5/05	CL000901	8/7/05	CL000905	8/7/05
CL001501	8/7/05	CL000501	8/10/05	CL000502	8/10/05	CL000503	8/10/05
CL000504	8/10/05	CL000505	8/10/05	CL000506	8/10/05	CL000507	8/10/05
CL000508	8/10/05	CL000509	8/10/05	CL000510	8/10/05	CL000511	8/10/05
CL000512	8/10/05	CL000513	8/10/05	CL000514	8/10/05	CL000515	8/10/05
CL000516	8/10/05	CL000517	8/10/05	CL000518	8/10/05	CL000915	8/10/05
CL000910	8/11/05	CL000619	8/11/05	CL000805	8/15/05	CL000702	8/18/05
CL000703	8/18/05	CL000807	8/18/05	CL001101	8/20/05	CL001103	8/20/05
CL001107	8/20/05	CL001108	8/20/05	CL001205	8/20/05	CL001206	8/20/05
CL001104	8/22/05	CL001202	8/22/05	CL001203	8/22/05	CL001204	8/22/05
CL001207	8/22/05	CL001208	8/22/05	CL001201	8/23/05		

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Henry M. Seijt  
CQCSM Signature

8/23/05  
Date

Rollie E. Schel  
Site Superintendent Signature

8-23-05  
Date

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**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☐ N/A ☐

Concurs with the QC report?

Yes ☐ No ☐ N/A ☐

Additional comments or exceptions:

QA Safety Inspections/Observations not noted in above comments:

---

QAR Signature

Date

Supervisor's Initials

Date

Contractor's Verification: On behalf of the Contractor, I certify that the above report is complete and correct and that all materials and equipment used, work performed, and tests conducted during this period were in strict compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

\_\_\_\_\_  
CQCSM Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Site Superintendent Signature

\_\_\_\_\_  
Date

**Government Quality Assurance Comments**

Was QA testing performed this day?

Yes ☐ No ☒ N/A ☐

Concurs with the QC report?

Yes ☒ No ☐ N/A ☐

Additional comments or exceptions:

This is the final Daily Report for this project. The anticipated low pressure arrived last night with minor precipitation but continual gusty winds to 20 knots. The 0700 hours Safety Tailgate enumerated the wrap-up duties for the crew under generally overcast conditions and gusty winds. As reported, the Weekly tele-con was held at 0900 hours; it is conveyed that this project is nearing completion and is in de-mob' status. A decision was made to obtain the oily water from the sole opened drum at Site 7 West and test it with soon-to-arrive Chlor-D-TECT kits on Wednesday air carriers.

Crew conducted final seeding and de-mob; duties in truck scale breakdown and consolidation of equipment to connexes. Crew observed to evacuate the Site 7 West drum of oily water with absorbent materials which were then transferred to heavy plastic bags for transport. Chlor-D-Tect kits are due in tomorrow on one of the ordered air carriers, weather permitting.

QA photos obtained of the drum evacuation as well as more of the finalized sites. A good job overall.

QA Safety Inspections/Observations not noted in above comments:

*J.A. Mills* *ACE*  
*GAR*

\_\_\_\_\_  
QAR Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Supervisor's Initials

\_\_\_\_\_  
Date

*24 AUG.*  
*'05*

### CLIN COMPLETION SUMMARY

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000101-1	Ice Recon flights	Nome	BEESC/Bering Air	100%
CL000102-1	Mobilize BEESC and subcontractor camp, plant, and equip. to Port of Anchorage.	Anchorage	BEESC	100%
CL000103-1	Mobilize from the Port of Anchorage to St. Lawrence Island.	Bering Sea	BEESC/Northland Barge	100% (7/4/05)
CL000104-1	Demobilize BEESC and Subcontractor camp, plant, and equipment to Cargo Beach at Northeast Cape	NE Cape	BEESC	
CL000105-1	Demobilize from Cargo Beach at NE Cape to the Port of Anch.	Bering Sea	BEESC/Northland Barge	
CL000205-2	Pr-Mobilization Conference	Anchorage	BEESC	
CL000206-2	Surveys and Benchmarks	NE Cape	BEESC/Terra Surveyors	100% (7/3/05)
CL000207-2	As-built surveys and final sample locations	NE Cape	BEESC/Terra Surveyors	
CL000211-2	Project Management	Anchorage/ NE Cape	BEESC	
CL000301-3	Work Site Access, Lower Mountain	NE Cape	BEESC	100% (7/7/05)
CL000302-3	Work Site access, Upper Mountain	NE Cape	BEESC	95% (7/20/05)
CL000401-4	Field Overhead, Including camp and other support.	NE Cape	BEESC/Others	Initiated 7/5/05
CL000501-5	Two 11/4" steel Tram cables. Above grnd supported by tram towers.	NE Cape	BEESC	95% (8/10/05)
CL000502-5	Two 11/4" steel cables. Some above and on grnd.	NE Cape	BEESC	95% (8/10/05)
CL000503-5	One 2" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000504-5	One 21/4" armored marine wire. Assume PCBs and asbestos.	NE Cape	BEESC	95% (8/10/05)
CL000505-5	One line of 1/2" steel cable, attached to marine wire and to support Towers.	NE Cape	BEESC	95% (8/10/05)
CL000506-5	One line of 11/4" steel support cable.	NE Cape	BEESC	95% (8/10/05)
CL000507-5	One 3/4" dia. Line. Indestructo P-106 BM	NE Cape	BEESC	95% (8/10/05)
CL000508-5	Wire bundle comprised of 3 wires plus steel cable. Cable is separate of 1" dia. Cable. On grnd. Surface	NE Cape	BEESC	95% (8/10/05)
CL000509-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000510-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000511-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000512-5	Wire bundle. Three 1" dia. Lines plus one steel cable. On grnd.	NE Cape	BEESC	95% (8/10/05)
CL000513-5	One 1/2" steel cable. Attached to lines above. On grnd. Surface.	NE Cape	BEESC	95% (8/10/05)
CL000514-5	One 11/4" dia. Steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000515-5	One 1/2" dia steel cable.	NE Cape	BEESC	95% (8/10/05)
CL000516-5	Two 1/2" dia. Black wires.	NE Cape	BEESC	95% (8/10/05)
CL000517-5	Four lines of approx. No. 14 black wire.	NE Cape	BEESC	95% (8/10/05)
CL000518-5	Coiled Line comprised of 3-lines of 1" dia. Black wire.	NE Cape	BEESC	95% (8/10/05)
CL000601-6	Tram Tower #1. Painted. Steel. Anchored to concrete pad.	NE Cape	BEESC	95% (7/29/05)
CL000602-6	Tram Tower #2. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/29/05)
CL000603-6	Tram Tower #3. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000604-6	Tram Tower #4. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)
CL000605-6	Tram Tower #5. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/2/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000606-6	Tram Tower #6. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000607-6	Tram Tower #7. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/3/05)
CL000608-6	Line Support Tower #1. Painted Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000609-6	Line Support Tower #2. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000610-6	Line Support Tower #3. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000611-6	Line Support Tower #4. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000612-6	Line Support Tower #5. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000613-6	Line Support Tower #6. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000614-6	Line Support Tower #7. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000615-6	Line Support Tower #8. Painted. Steel. Base anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000616-6	Line Support Tower #9. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000617-6	Line Support Tower #10. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (8/5/05)
CL000618-6	Line Support Tower #11. Painted. Steel. Anchored to concrete pad	NE Cape	BEESC	95% (7/27/05)
CL000619-6	2"dia. Galvanized water pipe. Anchored to concrete. Unpainted.	NE Cape	BEESC	95% (8/11/05)
CL000620-6	48" CMP. Vertical and horizontal w/valve and piping, electrical.	NE Cape	BEESC	95% (7/20/05)
CL000701-7	Drums containing gravel. Misc. debris.	NE Cape	BEESC	95% (7/27/05)
CL000702-7	Misc. debris removal from North facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000703-7	Misc. debris removal from South facing slope.	NE Cape	BEESC	95% (8/18/05)
CL000704-7	Misc. debris removal. Marston matting, wood debris, tram bldg.	NE Cape	BEESC	95% (7/19/05)
CL000801-8	Welder. Near AFS Ops area at debris staging.	NE Cape	BEESC	95% (7/15/05)
CL000802-8	3 piles of debris(mostly Marston matting) and tracked loader. Cargo Beach near barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL000803-8	2 piles of mixed wood and steel debris and vehicle carcasses. Near AFS Ops area.	NE Cape	BEESC	95% (7/12/05)
CL000804-8	Scrap metal from tanks. Some painted. Some paint contains PCBs. Grp. 3 tanks need cleaning and disposal of water.	NE Cape	BEESC	95% (8/18/05)
CL000805-8	Blazer style vehicle. Near AFS Ops area and debris staging.	NE Cape	BEESC	95% (8/15/05)
CL000806-8	4 Cummins generators from former Bldg. 110. Near AFS Ops	NE Cape	BEESC	95% (7/16/05)
CL000807-8	Metal and wood debris on E. side of road embankment, Site 7 landfill area.	NE Cape	BEESC	95% (8/18/05)
CL000901-9	6ea-2" dia. Thermo-anchors, approx. 2000' NW of AFS Ops area	NE Cape	BEESC	95% (8/7/05)
CL000902-9	Two steel tanks, approx. 1500' north of AFS Ops area.	NE Cape	BEESC	95% (7/26/05)
CL000903-9	8ea wooden poles, 12-15' Long, ±12" dia.	NE Cape	BEESC	95% (7/11/05)
CL000904-9	3ea wooden poles, ±8' long, 12-15" dia. And terminal boxes.	NE Cape	BEESC	95% (7/11/05)
CL000905-9	±50ea 2" dia. Metal poles X 20' long. Poles spaced 100' apart. Extending from airstrip south to AFS Ops area.	NE Cape	BEESC	95% (8/7/05)
CL000906-9	Pole Line #5. 6ea wooden posts sticking 3-4' above grnd.	NE Cape	BEESC	95% (7/11/05)
CL000907-9	4ea wooden poles ±60' long, 22-24" dia., cut off ±5' above grnd.	NE Cape	BEESC	95% (7/13/05)
CL000908-9	Marston matting, 100yds NW of northern end of the airstrip.	NE Cape	BEESC	95% (7/23/05)
CL000909-9	Debris along exposed landfill face-Marston matting, pipe, cable. Exposed face over 300' long and 3-5' High. 500' north of AFS Ops.	NE Cape	BEESC	95% (7/13/05)
CL000910-9	One strand of 1 ½" dia. Armored cable. Bldg. 98 west 1000'.	NE Cape	BEESC	95% (8/11/05)
CL000911-9	Eight strands of 1 ½" armored cable. ±1000'ea in length. Electrical vault along Sewer Outfall utilidor, NE.	NE Cape	BEESC	95% (7/20/05)
CL000912-9	Tangled, damaged, kinked 1 ½" armored cable. W of Bldg. 98	NE Cape	BEESC	95% (7/10/05)
CL000913-9	Galvanized steel antenna, 60' long. ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/14/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL000914-9	Galvanized steel antenna, 60' long, ±1300' SE of Site 24.	NE Cape	BEESC	95% (7/16/05)
CL000915-9	Concrete pedestals, 20" X 20", Remove and bury at AFS area	NE Cape	BEESC	100% (8/10/05)
CL001001-10	Concrete transformer pad. W of Bldg. 110 slab.	NE Cape	BEESC	95% (7/16/05)
CL001002-10	Concrete transformer pad. N end of Bldg. 110 slab.	NE Cape	BEESC	100% (7/5/05)
CL001003-10	Concrete transformer pad. S end of Bldg. 110 slab.	NE Cape	BEESC	95% (7/21/05)
CL001004-10	Concrete floor slab. S end of Bldg. 1001 MEC slab.	NE Cape	BEESC	95% (7/8/05)
CL001101-11	Final cleanup of previous debris removal areas. Wood, metal, transite siding, CAB. ACM longer than 1" and non-ACM longer than 3" to be removed. Metallic debris in tundra NW of AFS Ops.	NE Cape	BEESC	95% (8/20/05)
CL001102-11	Same as above. Along beach in vicinity of the barge ramp.	NE Cape	BEESC	95% (7/12/05)
CL001103-11	Same as above. E side of Cargo Beach embankment, E of Site 7 Landfill.	NE Cape	BEESC	95% (8/20/05)
CL001104-11	Same as above. In former AFS Ops area.	NE Cape	BEESC	95% (8/22/05)
CL001105-11	Same as above. In tundra Site 24.	NE Cape	BEESC	95% (8/20/05)
CL001106-11	Same as above. In tundra Site 25.	NE Cape	BEESC	95% (8/20/05)
CL001107-11	Same as above. In tundra Site 31.	NE Cape	BEESC	95% (8/20/05)
CL001108-11	Same as above. In tundra Site 32.	NE Cape	BEESC	95% (8/20/05)
CL001109-11	Transport and dispose			
CL001201-12	Seed and fertilize in tundra NW of AFS Ops area	NE Cape	BEESC	100% (8/23/05)
CL001202-12	Seed and fertilize on beach near barge ramp	NE Cape	BEESC	100% (8/22/05)
CL001203-12	Seed and fertilize in tundra E of Site 7 Landfill	NE Cape	BEESC	100% (8/22/05)
CL001204-12	Seed and fertilize in former AFS Ops area	NE Cape	BEESC	100% (8/22/05)
CL001205-12	Seed and fertilize in tundra at Site 24	NE Cape	BEESC	100% (8/20/05)
CL001205-12	Seed and fertilize in tundra at Site 25	NE Cape	BEESC	100% (8/20/05)
CL001207-12	Seed and fertilize in tundra at Site 31	NE Cape	BEESC	100% (8/22/05)
CL001208-12	Seed and fertilize in tundra at Site 32	NE Cape	BEESC	100% (8/22/05)
CL001401-14	Excavate soil to 0.5' bgs. at Excavation 31A-1 Excavate soil to 1.5' bgs. at Excavation 31A-2 Excavate soil to 2.0' bgs. at Excavation 31A-3	NE Cape	BEESC	95% (7/20/05)
CL001402-14	Excavate soil to 0.5' bgs. at Excavation 31B	NE Cape	BEESC	95% (7/20/05)
CL001403-14	Excavate soil to 0.5' bgs. at Excavation 31C.	NE Cape	BEESC	95% (7/20/05)
CL001404-14	Excavate soil to 1.0' bgs. at Excavation 14A.	NE Cape	BEESC	95% (7/20/05)
CL001405-14	Excavate soil to 0.5' bgs. at Excavation 14B.	NE Cape	BEESC	95% (7/20/05)
CL001406-14	Excavate soil to 2.5' bgs. at Excavation 13A-1 Excavate soil to 1.5' bgs. at Excavation 13A-2	NE Cape	BEESC	95% (7/20/05)
CL001407-14	Excavate soil to 2.5' bgs. at Excavation 13B-1 Excavate soil to 1.5' bgs. at Excavation 13B-2	NE Cape	BEESC	95% (7/20/05)
CL001408-14	Excavate soil to 1.5' bgs. at Excavation 13C	NE Cape	BEESC	95% (7/20/05)
CL001409-14	Excavate soil to 0.5' bgs. at Excavation 13D	NE Cape	BEESC	95% (7/20/05)
CL001410-14	Excavate soil to 1.0' bgs. at Excavation 13E	NE Cape	BEESC	95% (7/20/05)
CL001411-14	Excavate soil to 2.5' bgs at Excavation 7A	NE Cape	BEESC	95% (7/20/05)
CL001412-14	Excavate soil to 1.0' bgs at Excavation 7B	NE Cape	BEESC	95% (7/20/05)
CL001413-14	Excavate soil to 1.5' bgs at Excavation 7C	NE Cape	BEESC	95% (7/20/05)
CL001414-14	Excavate soil to 2.0' bgs at Excavation 7D	NE Cape	BEESC	95% (7/20/05)
CL001415-14	Excavate soil to 1.0' bgs at Excavation 7E	NE Cape	BEESC	95% (7/20/05)

Reference (CLIN No.)	Activity	Location	Contractor/ Subcontractor	Complete/ % Complete
CL001416-14	Excavate soil to 1.0' bgs at Excavation 7F	NE Cape	BEESC	95% (7/20/05)
CL001417-14	Transport and Dispose of Soil	NE Cape	BEESC	
CL001501-15	Remove Additional PCB-Contaminated Soil	NE Cape	BEESC	95% (8/7/05)
CL001502-15	Transport and Dispose of Soil	NE Cape	BEESC	
CL001601-16	PCB-Contaminated Concrete, Building 109.	NE Cape	BEESC	95% (7/8/05)
CL001602-16	PCB-Contaminated Concrete, Building 108.	NE Cape	BEESC	95% (7/10/05)
CL001603-16	PCB-Contaminated concrete, Bldg. 1001 MEC, Rms A & G.	NE Cape	BEESC	95% (7/8/05)
CL001604-16	PCB-Contaminated concrete, CTP-3.	NE Cape	BEESC	95% (7/27/05)



## **APPENDIX B**

### **Safety and Health Phase-out Report**

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## ACRONYMS AND ABBREVIATIONS

AHAs	Activity Hazard Analyses
BEESC	Bristol Environmental & Engineering Services Corporation
dBA	decibel, A-weighted
mph	miles per hour
NE Cape	Northeast Cape, St. Lawrence Island, Alaska
QAR	Quality Assurance Representative
SSHO	Site Safety and Health Officer
TWA	time-weighted average
USACE	U.S. Army Corps of Engineers, Alaska District

### APPROVALS

By their signatures, the undersigned approve this Safety and Health Phase-out Report to meet the requirements of Specification Section 01351 – Safety, Health, and Emergency Response (hazardous, toxic, and radioactive waste/underground storage tank).



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**Steve Johnson, P.E.**  
Project Manager

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September 6, 2006

Date



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**Clark Roberts, C.I.H.**  
Program Safety and Health Manager

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September 6, 2006

Date

## **1.0 GENERAL**

The safety and health management and communications system for Northeast Cape, St. Lawrence Island, Alaska, (NE Cape) was established immediately upon the arrival of Bristol Environmental & Engineering Services Corporation (BEESC) personnel on the island on June 25, 2005.

Regular and continual communication regarding safety issues was provided and maintained with the U.S. Army Corps of Engineers, Alaska District (USACE), Quality Assurance Representative (QAR) (Sam Mills); the BEESC Site Superintendent (Rollie Goebel); the Site Safety and Health Officer (SSHO) (Toby Peterson); Site Quality Control Officer (Hank Seipt); Program Safety and Health Manager (Clark Roberts); and the BEESC Project Manager (Steve Johnson).

In accordance with USACE requirements, a 4-hour Site Safety Orientation briefing was prepared and presented to all BEESC and subcontractor workers before the start of demolition, removal, and remediation operations on NE Cape. For subsequent visitors, government personnel, and specialty subcontractors, a written briefing was formulated and presented by the SSHO on an “as needed” basis for the duration of the project.

Initial safety and health program activities involved the establishment of a fire brigade, emergency exit routes, and vehicle/equipment inspection routines. Part of the daily safety routine involved the Daily Toolbox Safety Meeting held each morning before starting work. A toolbox meeting was held each day that project-related work was to be performed at the NE Cape site. Minimum safety gear for all personnel included hard hat, reflective vest, steel-toed boots, safety glasses, and work gloves. At a minimum, half face respirators fitted with organic vapor and particulate cartridges were required to be worn during concrete powder sampling along with the standard safety gear.

On a daily basis, the level of subcontractor involvement at NE Cape was high. BEESC and major subcontractor Kuukpik Arctic Catering closely coordinated operations in all areas. Key subcontractor involvement with all parties included complying with one Site Safety and Health Plan that covered all workers. All workers – including subcontractor workers – attended and often participated in the mandatory Daily Toolbox Safety Meetings. This

included subcontractor workers assigned to NE Cape for short, even overnight, durations, such as pilots, surveyors, and laborers.

A new Army Corps of Engineers (COE) requirement in 2005 was an All-Terrain Vehicle (ATV) training course. As a result BEESC had one employee trained to be an ATV Safety Institute certified instructor. BEESC then sent the newly certified instructor out to the Northeast Cape (NE Cape) to perform on site trainings as field personnel arrived on site. The instructor had a lecture session with a workbook and pamphlets handed out and a field course for on-site field-testing with instructor oversight. All BEESC field personnel passed the training and as a result had the ATV training as per COE requirements.

BEESC also required all field personnel to wear helmets, goggles, leather riding gloves and orange safety vests (all provided by BEESC) while riding BEESC ATVs.

## **1.1 SITE INSPECTIONS**

The BEESC SSHO performed safety and health “walkthrough” inspections each day at the site. The purpose of these inspections was to keep abreast of current site activities and conditions, look for existing or potential site safety issues/concerns, ensure appropriate use of personal protective equipment (PPE), and to reinforce safe work practices. The daily safety inspections also provided topics/information that were incorporated into the Daily Toolbox Safety Meeting to keep the subject matter relevant to NE Cape conditions. In particular, issues such as high wind conditions, slippery step conditions, steep working surfaces, repel safety, and fire safety (because of the remote site location) were duly noted and presented at the toolbox meeting.

## **1.2 HAZARD ANALYSIS AND CONTROLS**

In all, BEESC developed 10 Activity Hazard Analyses (AHAs) for specific tasks and operations at NE Cape. Because equipment maintenance can keep engineering control systems functioning as intended and prevent ordinarily nonhazardous equipment from becoming hazardous, equipment maintenance was factored into all AHAs. Task-specific AHAs were developed for:

Nonhazardous Debris Removal and Staging	Hot Work/Plasma Cutting	Barge Loading and Unloading Operations
Environmental Sampling	Antenna and Power Pole Removal	Rappel training and safety
Concrete Pad Testing and Removal	Polychlorinated Biphenyl Soil Removal	
Tram Tower Removal and Demolition	Cat Trail Improvement Operations	

At a minimum, each AHA identified the following:

- Activity Description
- Physical and Equipment Hazards Associated with the Activity,
- Chemical and Biological Hazards Associated with the Activity,
- Planned Hazard Controls for the Activity,
- Necessary Equipment to Perform the Activity,
- Equipment Inspection Requirements for the Activity,
- Job Site Inspection Requirements for the Activity, and
- Personnel Training Required to Perform the Activity.

### **1.3 WORKER EXPOSURE MONITORING**

Noise exposure determinations were performed on equipment operators and laborers. Noise sound level and noise dosimetry studies were performed during a variety of site activities. Sound level measurements were obtained to provide initial characterizations of sound noise level emissions from machinery and/or other field operations. Noise dosimetry measurements provided a time-weighted average (TWA) determination of sound level exposure for workers. TWA exposure levels ranged from 77 to 84 decibels (dB(A)), without factoring in hearing protection. When one-half of the effective noise reduction rating of hearing protection was factored into an estimate of employee exposure, the effective exposure level was further reduced to 64 to 71 dBA.

Noise dose measured on NE Cape did not exceed the permissible exposure limits and indicated that PPE used for noise exposure control was sufficient.

Results indicated that the hearing protective equipment provided to workers provided noise reduction levels that fell well within acceptable levels identified by the USACE. However, as

standard practice, all BEESC employees with potential exposure to noise created by heavy equipment and field activities are automatically included in the BEESC hearing conservation program.

After any kind of exposure monitoring was performed, the monitoring results were posted in the main meeting area for personnel to review. Monitoring results were also discussed and explained, as appropriate, during Daily Toolbox Safety Meetings.

## **1.4 ACCIDENT INVESTIGATION AND REPORTING**

BEESC performed over 8,500 man-hours of fieldwork during this project without a lost-time or Occupational Safety and Health Administration-recordable accident.

During work on site, two first aid cases were treated and logged by the physician's assistant. One involved a worker cutting a toenail too short during non-work hours, and the other was a worker getting dust in his eye. The toenail incident was treated on site by the physician's assistant, and the worker returned to quarters with no lost time. The physician's assistant used eye wash to remove the dust particle, and the worker returned to working duties.

### **1.4.1 Special Precautions and Lessons Learned**

Excavators, front-end loaders, haul trucks, graders, and other heavy equipment were used on this project to construct and repair roads, grade work areas, and remove debris. There was potential for workers to be struck by these vehicles or to be injured by contact with exposed mechanical parts (i.e., gears and pulleys). In addition, there was a risk of vehicle accidents and of fire during refueling. To control these hazards, regulated work areas were established around each job site, and safe distances were maintained between workers and mechanical equipment. Mobile equipment was equipped with backup alarms, and spotters were used to direct equipment operators, particularly when dumping soil and rock, operating cranes, and loading haul trucks. In addition, all exposed gears and pulleys on mechanical equipment were guarded to eliminate pinch and grab hazards. Vehicles were equipped with fire extinguishers, and spill-control equipment was available during refueling operations in case of a fuel, hydraulic fluid, or lubricant release.

High winds at NE Cape increased the airborne hazards encountered during work activities. Airborne hazards included dust and large flying debris/objects. The weather equipment described in Section 1.4.2 was essential in allowing the appropriate field personnel decide if working conditions were too hazardous.

#### **1.4.2 Safety and Health Program Innovation**

Hazards associated with debris removal from Debris Field #1 included slopes in excess of 100 percent. The slopes were very unstable and generally consisted of large boulders and some rock faces. To accomplish the debris field clean-up, BEESC used a specially trained rappel crew and provided all of the rappel gear (climbing rope with a 5,000 lb failure rating, karabiners, and, harnesses) along with applicable safety equipment (hard hats, knee and shin guards, leather gloves, safety glasses, and reflective construction vests).

The rappel rope was attached to the top of a Caterpillar D-8 bulldozer, which provided enough height to keep the rappel/belay rope from coming in contact with uphill debris and rocks. During the entire process two people were always attending the belay line, while the safety officer was present from start to end.

The BEESC rappel crews removed approximately 8 tons of debris in a total of 3 days. The crew performed the clean up of Debris Field #1 in a safe, efficient, and timely manner with no lost time incidents.

A tram line approximately 5,000 feet long was constructed at the facility in the 1950s to move personnel and material between the lower elevations and an Aircraft Control and Warning Station (AC&WS) located on a ridge at 1,820 feet above sea level. Seven steel tram towers supported the tramline approximately 25 feet high. Eleven smaller steel towers along the tramline supported power and communication lines serving the former AC&WS. Some of the towers slated for demolition were at the top of the ridge approximately 1,800 feet above sea level. Grades along the tram line alignment exceeded 100% in places. In order to avoid operating heavy equipment on these steep slopes and to keep workers out of harm's way, BEESC developed a method to remove all of the towers and cables using equipment located at the base of the hill. BEESC field crews on foot climbed to each tower and clamped each of the 1-inch diameter tram cables to the top of each tram tower. They also secured the former



power and communications cables to the tram towers using cable clamps. They then cut deep notches into the steel of each tram and power tower base immediately above their respective foundation pedestals. After all of the tram and power towers had been notched, two D-8 bulldozers equipped with winches began pulling on the tram cables at the bottom of the mountain. All of the towers and cable were then pulled down the mountain in one continuous pull.

NE Cape is frequently subject to high winds [60+ miles per hour (mph)], rapid temperature changes with rain or snow and poor visibility. These shifting conditions constantly impact essential elements of project work, such as air support and communications. To counter these factors, BEESC provided an Oregon Scientific electronic weather station, which was permanently attached to the NE Cape field camp. The weather station measured temperature, wind speed, wind chill, barometric pressure, humidity, and other weather parameters.

Since communications were constantly interrupted by weather, the station was used extensively to determine up-to-the-minute weather conditions to support flight operations.

BEESC also had two portable digital wind speed meters. The two meters were often used to determine wind speeds at specific job sites. The NE Cape weather instruments helped the BEESC field crew determine if weather conditions were safe. During the 2005 NE Cape field season two days of field activities were cancelled and various other times were delayed due to winds in excess of 50 mph.

Integrated Project Planning involving representatives from engineering, quality assurance, site operations, maintenance, safety and health, and environmental protection resulted in the reduction and, in some cases, elimination of potential hazards posed to workers in the field before the project started. For example, advance planning and safety innovation resulted in:

**Fall Protection** – This eliminated many potential hazards associated with this activity, such as slips, trips, and falls associated with steep terrain and waste containers;

**Weather Station and Wind Meters** – The weather station and wind meters were used to evaluate working conditions for field workers. If winds were in excess of 50 mph field activities were shut down until conditions improved. Monitoring winds also prevented cold

stress working conditions as rain often accompanied high winds at NE Cape and provided less exposure to airborne debris. Lost time was recovered on the scheduled days off.

**ATV training** – Provided safe driving practices and techniques to both in-experienced and experienced riders alike. Provided standard guidelines for operating ATV's for both job related and recreational use of on-site ATV's.

**Completely Trained Local Hire Workforce** – BEESC coordinated with local hires in Gambell and Savoonga to ensure that workers received appropriate HazWOPER training and required medical exams prior to starting operations;

**Minimal Hot Work** – This eliminated many potential hazards associated with this activity, such as fires, burns, and airborne lead and metals exposure;

**Camp fire inspections and fire drills** – An initial fire and other hazards inspection was followed with weekly fire and hazards inspections jointly and cooperatively produced by the SSHO, and the QAR. Suspect conditions and updates proffered during the next Tailgate Safety Meeting for all crew.

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## **APPENDIX C**

### **Transportation, Disposal, and Closure Report**

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3.0 DISCREPANCY REPORTS .....	5

## TABLE

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## ATTACHMENTS

Attachment 1 Waste Photographs

Attachment 2 Waste Tracking Log and Shipment Packages

Attachment 3 Exception Report

## ACRONYMS AND ABBREVIATIONS

NE Cape	Northeast Cape
BEESC	Bristol Environmental & Engineering Services Corporation
EPA	Environmental Protection Agency
PCB	polychlorinated biphenyl
USACE	U.S. Army Corps of Engineers, Alaska District

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## 1.0 TRANSPORTATION AND DISPOSAL SUMMARY

Bristol Environmental & Engineering Services Corporation (BEESC) handled, transported, and disposed of approximately 1,171 tons of waste on this project. The types of waste, quantity, disposal or treatment facility, and type of disposal or treatment are shown in Table 1. This report presents the hazardous and non-hazardous waste manifests, Canadian forms, asbestos waste shipment report forms, bills of lading, certificates of weight, and certificates of disposal for these wastes. Waste photographs are included in Attachment 1. A waste tracking log listing all wastes, container numbers, weights, manifest and profile numbers, and dates for shipping and receiving is included in Attachment 2.

**Table 1 Waste Disposal Summary**

Waste Type	Final Treatment/Disposal	Disposal Facility	Approximate Disposal Quantity
ACM transite siding and rubber tarp	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill, Arlington, Oregon	1.4 tons
Steel boiler with asbestos gasket and brick	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill, Arlington, Oregon	8.2 tons
PCB-contaminated Concrete	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill, Arlington, Oregon	162.7 tons
PCB-contaminated soil (less than 50 ppm)	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill, Arlington, Oregon	277 tons
PCB-contaminated soil (greater than 50 ppm)	Disposed of in Subtitle C Landfill	Chemical Waste Management of the NW, Arlington, Oregon	16.5 tons
Lead Ash	Disposed of in Subtitle C Landfill	Chemical Waste Management of the NW, Arlington, Oregon	18.5 tons
Tank scrap metal with PCB paint	Disposed of in Subtitle D Landfill	Columbia Ridge Recycling and Landfill, Arlington, Oregon	16.5 tons
Scrap metal	Recycled	Bloch Steel, Seattle Washington	657 tons

Notes:

ACM = asbestos-containing material ppm = parts per million  
PCB = polychlorinated biphenyl

## **1.1 WASTE SHIPMENT PACKAGES**

Wastes were shipped from the Northeast Cape White Alice Site (NE Cape) to the various treatment, disposal, and recycling facilities in 94 containers. The wastes were shipped in two separate shipments, Shipments 01 and 02. Shipment 1 was loaded on August 2 through 4, 2005 and contained 49 containers (11 of PCB-concrete, 12 of PCB-soil, and 26 of scrap metal). Shipment 2 was loaded on September 27, 2005 and contained 45 containers (7 of PCB-soil, 6 of poles/ash/asbestos, and 32 of scrap metal).

Each shipment package included in Attachment 2 includes the following forms where applicable:

- Canadian Manifest and Transit Form,
- United States Uniform Hazardous Waste Manifest,
- Non-hazardous Waste Manifest,
- Asbestos Waste Shipment Report Form,
- Certificates of Weight,
- Bill of Lading,
- Certificate of Destruction, and
- Scrap Steel Recycle Ticket.



## 1    **2.0    EXCEPTION REPORT**

2    Polychlorinated biphenyl (PCB) wastes (Manifest NE034) and lead ash wastes (Manifest  
3    NE036) were shipped from NE Cape on September 27, 2005 and did not arrive at the disposal  
4    facility within the allotted 45 days. An exception report was filed with U.S. Environmental  
5    Protection Agency (EPA) Region X indicating the status of these wastes.

6    BEESC prepared the exception report for submittal to the U.S. Army Corps of Engineers,  
7    Alaska District (USACE), who in turn submitted the report to EPA Region X. A copy of the  
8    form prepared by BEESC is in Attachment 3. All wastes arrived at the disposal facility and  
9    no further action was required.

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### 1    **3.0    DISCREPANCY REPORTS**

- 2    Discrepancies were noted on two Uniform Hazardous Waste Manifests, numbered NE034 and
- 3    NE036. On Manifest NE034, waste number X002 (state waste code for PCBs) was added to
- 4    item 1a. Item 13a was corrected to list the weight and units in kilograms instead of pounds.
- 5    On Manifest NE036, the weight in pounds was added to item 13a.
- 6    No other discrepancies were noted on the manifests.

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## **ATTACHMENT 1**

### **Waste Photographs**



1. PCB-contaminated soil in double-lined Baker box. BEESC photograph.



2. PCB-contaminated concrete being placed in double-lined Baker box. BEESC photograph.



3. Scrap metal in Conex trailer. BEESC photograph.



4. Scrap metal (cable) in Conex trailer. BEESC photograph.





5. Scrap metal being placed in Conex trailer. BEESC photograph.



6. Steel boiler with asbestos gasket and asbestos bricks in Conex trailer. BEESC photograph.





7. Tank with PCB-bearing paint (larger tank, rusted with silver PCB-paint). BEESC photograph.



8. Rubber tarp and creosote wood poles for disposal. BEESC photograph.



9. Lead ash being removed from burn pit and placed in Conex trailer.  
BEESC photograph.



10. Baker boxes placarded and ready for transport. BEESC  
photograph.

## **ATTACHMENT 2**

### **Waste Tracking Log Shipment Packages**

- Manifest Packages
  - Asbestos Waste Shipment Report Forms
  - Certificates of Weight
  - Certificates of Disposal
- Canadian Forms
- Bill of Lading
  - Scrap Metal Tickets

2005 Waste Tracking Summary Spreadsheet

Waste Package No.	Waste Name	Waste Package Contents	Waste Package Type	Waste Package ID Code	Weight Ticket #	Waste Site	Waste Package Gross Weight (lb)	Waste Package Tare Weight (lb)	Waste Package Net Weight (lb)	Waste Package Gross Weight (kg)	Waste Package Tare Weight (kg)	Waste Package Net Weight (kg)	Waste Profile No.	Manifest/Bill Lading No.	Date Out	Arrived Seattle	FDF Destination	Treatment Category	Date Received at FDF	Receipt of Return Manifest from TDS	Receipt of Certificate of Disposal	Notes
WASTE SHIPMENT 1A			Loaded 8/2/05																			
	CONCRETE																					
1	PCB Concrete Debris	Concrete	Baker Box	PNWS 8028	2298	Bldg. 1001	39,320	8,860	30,460	17,873	3,852	14,021	2321VC	NE001	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
2	PCB Concrete Debris	Concrete	Baker Box	PNWS 8077	2299	Bldg. 1001	39,400	7,580	31,820	17,909	3,296	14,613	2321VC	NE002	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
3	PCB Concrete Debris	Concrete	Baker Box	PNWS 8005	2289	Bldg. 1001	38,020	7,220	30,800	17,282	3,139	14,143	2321VC	NE003	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
4	PCB Concrete Debris	Concrete	Baker Box	PNWS 8006	2297	Bldg. 1001/109	37,800	5,040	32,760	17,182	2,191	14,991	2321VC	NE004	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
5	PCB Concrete Debris	Concrete	Baker Box	PNWS 8141	2301	Bldg. 108/109	36,800	5,740	31,060	16,727	2,496	14,232	2321VC	NE008	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
6	PCB Concrete Debris	Concrete	Baker Box	PNWS 8084	2321	Bldg. 1001	35,520	8,480	27,040	16,145	3,687	12,458	2321VC	NE010	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
7	PCB Concrete Debris	Concrete	Baker Box	PNWS 8093	2351	CTP-3	23,720	7,960	15,760	10,782	3,461	7,321	2321VC	NE011	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
	SOIL																					
8	PCB Dirt	Soil	Baker Box	PNWS 8127	2307	Site 31	39,640	5,500	34,140	18,018	2,391	15,627	2320VC	NE012	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
9	PCB Dirt	Soil	Baker Box	PNWS 8121	2308	Site 31	41,380	7,220	34,160	18,809	3,139	15,670	2320VC	NE013	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
10	PCB Dirt	Soil	Baker Box	PNWS 8105	2310	AFS Ops. Bldg. 110	37,920	7,760	30,160	17,236	3,374	13,862	2320VC	NE014	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
11	PCB Dirt	Soil	Baker Box	PNWS 8130	2328	AFS Ops Bldg. 110/Site 7	41,540	8,160	33,380	18,882	3,548	15,334	2320VC	NE018	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/13/2005	10/18/2005	10/18/2005	
12	PCB Dirt	Soil	Baker Box	PNWS 8081	2313	AFS Ops Bldg. 98	39,800	6,140	33,660	18,091	2,670	15,421	2320VC	NE019	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
13	PCB Dirt	Soil	Baker Box	PNWS 8120	2324	AFS Ops Bldg. 110/Site 7	30,840	8,560	22,280	14,018	3,722	10,296	2320VC	NE021	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
14	PCB Dirt	Soil	Baker Box	PNWS 8024	2404	Site 31	36,080	5,580	30,500	16,400	2,426	13,974	2320VC	NE022	8/2/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
	SCRAP METAL																					
15	Gen Set	Metal	Connex	HJCU 854413	2304	Clin 806	32,120	5,030	27,090	14,600	2,187	12,413	NA	202884	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/14/2005	NA	9/30/2005	
16	Gen Set	Metal	Connex	873069	2305	Clin 806	32,680	5,160	27,520	14,855	2,243	12,611	NA	202884	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/20/2005	NA	9/30/2005	
17	Wire	Metal	Connex	TTNU 215279	2327	Clin 911	30,200	4920	25,280	13,727	2,139	11,588	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/16/2005	NA	9/30/2005	

## 2005 Waste Tracking Summary Spreadsheet

Waste Package No.	Waste Name	Waste Package Contents	Waste Package Type	Waste Package ID Code	Weight Ticket #	Waste Site	Waste Package Gross Weight (lb)	Waste Package Tare Weight (lb)	Waste Package Net Weight (lb)	Waste Package Gross Weight (kg)	Waste Package Tare Weight (kg)	Waste Package Net Weight (kg)	Waste Profile No.	Manifest/Bill Lading No.	Date Out	Arrived Seattle	FDF Destination	Treatment Category	Date Received at FDF	Receipt of Return Manifest from TDS	Receipt of Certificate of Disposal	Notes
18	Scrap Metal	Metal	Connex	KKIC 378567	2334	Clin 804	32,320	5291	27,029	14,691	2,300	12,390	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/26/2005	NA	9/30/2005	
19	Scrap Metal	Metal	Connex	CYLU 216907	2335	Clin 804	26,320	5070	21,250	11,964	2,204	9,759	NA	202884	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/16/2005	NA	9/30/2005	
20	Scrap Metal	Metal	Connex	672403	2338	Clin 804	26,200	5160	21,040	11,909	2,243	9,666	NA	202884	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/15/2005	NA	9/30/2005	
21	Scrap Metal	Metal	Connex	TEXU 326370	2340	Clin 804	22,320	5070	17,250	10,145	2,204	7,941	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/14/2005	NA	9/30/2005	
22	Scrap Metal	Metal	Connex	EMCU 284063	2341	Clin 804/909	26,280	5115	21,165	11,945	2,224	9,722	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/21/2005	NA	9/30/2005	
23	Scrap Metal	Metal	Connex	EISU 322022	2352	Trams 1 & 2	30,440	5115	25,325	13,836	2,224	11,612	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/16/2005	NA	9/30/2005	
24	Scrap Metal	Metal	Connex	1787	2346	Clin 804/802	21,820	5159	16,661	9,918	2,243	7,675	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/20/2005	NA	9/30/2005	
25	Scrap Metal	Metal	Connex	TRIU 332377	2347	Clin 804	20,160	5070	15,090	9,164	2,204	6,959	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/19/2005	NA	9/30/2005	
26	Scrap Metal	Metal	Connex	1752	2344	Clin 804/802	23,980	5000	18,980	10,900	2,174	8,726	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/15/2005	NA	9/30/2005	
27	Scrap Metal	Metal	Connex	223423	2343	Clin 804	41,380	5290	36,090	18,809	2,300	16,509	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/16/2005	NA	9/30/2005	
28	Scrap Metal	Metal	Connex	1432	2348	Clin 804	26,920	4938	21,982	12,236	2,147	10,089	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/21/2005	NA	9/30/2005	
29	Scrap Metal	Metal	Connex	1868	2345	Clin 804	32,120	5269	26,851	14,600	2,291	12,309	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/19/2005	NA	9/30/2005	
30	Scrap Metal	Metal	Connex	777463	2349	Clin 804	32,500	4851	27,649	14,773	2,109	12,664	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/19/2005	NA	9/30/2005	
31	Scrap Metal	Metal	Connex	EMCU 285779	2342	Clin 804/802	26,100	5115	20,985	11,864	2,224	9,640	NA	202883	8/2/2005	9/12/2005	Bloch Steel	Recycle	9/15/2005	NA	9/30/2005	
WASTE SHIPMENT 1B			Loaded 8/4/05																			
	CONCRETE																					
32	PCB Concrete Debris	Concrete	Baker Box	PNWS 8027	2292	Bldg. 1001/ AFS Ops. Bldg. 108	39,540	7,840	31,700	17,973	3,409	14,564	2321VC	NE005	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
33	PCB Concrete Debris	Concrete	Baker Box	PNWS 8133	2293	AFS Ops. Bldg. 109	40,460	7,760	32,700	18,391	3,374	15,017	2321VC	NE006	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
34	PCB Concrete Debris	Concrete	Baker Box	PNWS 8113	2301	AFS Ops. Bldg. 109	38,340	6,780	31,560	17,427	2,948	14,479	2321VC	NE007	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
35	PCB Concrete Debris	Concrete	Baker Box	PNWS 8094	2403	AFS Ops Bldg. 110	37,800	8,080	29,720	17,182	3,513	13,669	2321VC	NE009	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
	SOIL																					



2005 Waste Tracking Summary Spreadsheet

Waste Package No.	Waste Name	Waste Package Contents	Waste Package Type	Waste Package ID Code	Weight Ticket #	Waste Site	Waste Package Gross Weight (lb)	Waste Package Tare Weight (lb)	Waste Package Net Weight (lb)	Waste Package Gross Weight (kg)	Waste Package Tare Weight (kg)	Waste Package Net Weight (kg)	Waste Profile No.	Manifest/Bill Lading No.	Date Out	Arrived Seattle	FDF Destination	Treatment Category	Date Received at FDF	Receipt of Return Manifest from TDS	Receipt of Certificate of Disposal	Notes
36	PCB Dirt	Soil	Baker Box	PNWS 8064	2311	AFS Ops. Bldg. 110	40,180	7,700	32,480	18,264	3,348	14,916	2320VC	NE015	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
37	PCB Dirt	Soil	Baker Box	PNWS 8041	2401	AFS Ops. Bldg. 110	39,800	5,480	34,320	18,091	2,383	15,708	2320VC	NE016	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
38	PCB Dirt	Soil	Baker Box	PNWS 8042	2402	AFS Ops. Bldg. 110	38,120	7,900	30,220	17,327	3,435	13,892	2320VC	NE017	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
39	PCB Dirt	Soil	Baker Box	PNWS 8131	2314	AFS Ops. Bldg. 110	38,980	5,400	33,580	17,718	2,348	15,370	2320VC	NE020	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/15/2005	10/18/2005	10/18/2005	
40	PCB Dirt	Soil	Baker Box	PNWS 8071	2405	Site 31	38,200	5,040	33,160	17,364	2,191	15,172	2320VC	NE023	8/4/2005	9/12/2005	Columbia Ridge Landfill	Subtitle D Landfill	9/16/2005	10/18/2005	10/18/2005	
	SCRAP METAL																					
41	D-8 Cat	Metal	Flat Bed	DORV 567553	2306	Clin 804	35,980	4,299	31,681	16,355	1,869	14,485	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	11/1/2005	NA	11/14/2005	
42	Tank Steel	Metal	Connex	NSIU 299233	2309	Clin 804	29,280	5,030	24,250	13,309	2,187	11,122	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/23/2005	NA	9/30/2005	
43	Tank Steel	Metal	Connex	CAK 1106	2320	Clin 804	27,760	5,290	22,470	12,618	2,300	10,318	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/22/2005	NA	9/30/2005	
44	Scrap Metal	Metal	Connex	CAXU 618714	2323	Clin 804	26,460	4850	21,610	12,027	2,109	9,919	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/21/2005	NA	9/30/2005	
45	Scrap Metal	Metal	Connex	HJCU 858333	2336	Clin 804	24,800	5160	19,640	11,273	2,243	9,029	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/22/2005	NA	9/30/2005	
46	Scrap Metal	Metal	Connex	EISU 303047	2337	Clin 804	30,680	5115	25,565	13,945	2,224	11,722	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/22/2005	NA	9/30/2005	
47	Scrap Metal	Metal	Connex	CYLU 215699	2357	Clin 804	25,840	5,070	20,770	11,745	2,204	9,541	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/26/2005	NA	9/30/2005	
48	Scrap Metal	Metal	Connex	EISU 307849	2356	Clin 601 to 607	30,240	5,115	25,125	13,745	2,224	11,522	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/23/2005	NA	9/30/2005	
49	Scrap Metal	Metal	Connex	2787	2355	Clin 601 to 607	45,840	5,137	40,703	20,836	2,233	18,603	NA	202885	8/4/2005	9/12/2005	Bloch Steel	Recycle	9/26/2005	NA	9/30/2005	
WASTE SHIPMENT 2			Loaded 9/27/05																			
	SOIL																					
50	PCB Dirt	Soil	Baker Box	PNWS 8147	2389	Clin 15	35,580	7,580	28,000	16,173	3,296	12,877	2320VC	NE028	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/19/2006	1/30/2006	1/30/2006	
51	PCB Dirt	Soil	Baker Box	PNWS 8036	2390	Clin 15	30,020	7,580	22,440	13,645	3,296	10,350	2320VC	NE029	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/19/2006	2/8/2006	2/8/2006	
52	PCB Dirt	Soil	Connex	KSCU 216275	2394	Clin 15	38,820	5,160	33,660	17,645	2,243	15,402	2320VC	NE030	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/19/2006	2/8/2006	2/8/2006	
53	PCB Dirt	Soil	Connex	TRIU 274798	2391	Clin 15	34,140	4,960	29,180	15,518	2,157	13,362	2320VC	NE031	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/19/2006	1/30/2006	1/30/2006	

2005 Waste Tracking Summary Spreadsheet

Waste Package No.	Waste Name	Waste Package Contents	Waste Package Type	Waste Package ID Code	Weight Ticket #	Waste Site	Waste Package Gross Weight (lb)	Waste Package Tare Weight (lb)	Waste Package Net Weight (lb)	Waste Package Gross Weight (kg)	Waste Package Tare Weight (kg)	Waste Package Net Weight (kg)	Waste Profile No.	Manifest/Bill Lading No.	Date Out	Arrived Seattle	FDF Destination	Treatment Category	Date Received at FDF	Receipt of Return Manifest from TDS	Receipt of Certificate of Disposal	Notes
54	PCB Dirt	Soil	Connex	335313	2392	Clin 15	43,140	5,115	38,025	19,609	2,224	17,385	2320VC	NE032	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/17/2006	1/30/2006	1/30/2006	
55	PCB Dirt	Soil	Connex	339465	2395	Clin 15	24,880	5,115	19,765	11,309	2,224	9,085	2320VC	NE033	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/17/2006	1/30/2006	1/30/2006	
56	PCB Dirt & Tank Scrap	>50 ppm PCB Soil	Baker Box	PNWS 8055	2362	Bldg. 110 & 1110	40,560	7,580	32,980	18,436	3,296	15,141	2319VC	NE034	9/27/2005	11/10/2006	Chemical Waste Management	Subtitle C Landfill	2/13/2006	2/13/2006	2/22/2006	PCB painted tank scrap and soil toge
	OTHER WASTE																					
57	Creosote Poles	Wood Poles	Connex	EMCU 279676	2409	varies	23,080	5,115	17,965	10,491	2,224	8,267	2369VC	NE026	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/17/2006	1/30/2006	1/30/2006	
58	Creosote Poles	Wood Poles	Connex	SAMU 216086	2411	varies	12,720	4,940	7,780	5,782	2,148	3,634	2369VC	NE027	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	1/17/2006	2/8/2006	2/8/2006	
59	ACM Transite/Rubber Tarp	Transite/rubber	Connex	NSIU 299170	2410	varies	7,880	5,030	2,850	3,582	2,187	1,395	2320VC	NE025	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	2/1/2006	2/27/2006	2/27/2006	
60	Asbestos	Steel boiler/ACM gasket	Connex	C 422	2325	Clin 804	21,540	5,080	16,460	9,791	2,209	7,582	2369VC	NE024	9/27/2005	11/10/2006	Columbia Ridge Landfill	Subtitle D Landfill	2/1/2006	2/27/2006	2/27/2006	
61	Lead Ash	Ash	Baker Box	PNWS 8073	2362	Burn Pit	44,620	7,580	37,040	20,282	3,296	16,986	C19799	NE036	9/27/2005	11/10/2006	Chemical Waste Management	Subtitle C Landfill	1/18/2006	2/8/2006	2/8/2006	
62	Petroleum	Used Motor Oil	Drum	NA	NA	Site 7 Landfill	NA	NA	NA	NA	NA	NA	AK02907-B	04007	9/27/2005	NA	Emerald Alaska, Inc.	Recycle or Incinerate	1/12/2006	2/9/2006	2/2/9/06	1 - 55-gallon drum
	SCRAP METAL																					
63	Scrap metal	Wire Rope/Cable	Connex	SEAU 214398	2370	Clin 5	39,820	4,960	34,860	18,100	2,157	15,943	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/5/2005	NA	12/31/2005	
64	Scrap metal	Wire Rope/Cable	Connex	HJCU 857630	2368	Clin 5	40,420	5,160	35,260	18,373	2,243	16,129	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/21/2005	NA	12/31/2005	
65	Scrap metal	Marsten Mat/Misc	Connex	278109	2365	varies	27,500	5,115	22,385	12,500	2,224	10,276	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/15/2005	NA	12/31/2005	
66	Scrap metal	Marsten Mat/Misc	Connex	MLCU 295443	2363	varies	17,180	4,810	12,370	7,809	2,091	5,718	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	11/28/2005	NA	12/31/2005	
67	Scrap metal	Tank Steel	Connex	CAK 1052	2366	Clin 804	25,940	5,028	20,912	11,791	2,186	9,605	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/14/2005	NA	12/31/2005	
68	Scrap metal	Tank Steel	Connex	NYKU 224122	2364	Clin 804	27,220	5,135	22,085	12,373	2,233	10,140	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/20/2005	NA	12/31/2005	
69	Scrap metal	Tank Steel	Connex	SAMU 214034	2369	Clin 804	21,520	4,850	16,670	9,782	2,109	7,673	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/28/2005	NA	12/31/2005	
70	Scrap metal	Scrap Metal	Connex	TPHU 668016	2360	varies	24,040	5,140	18,900	10,927	2,235	8,692	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/2/2005	NA	12/31/2005	
71	Scrap metal	Rubber Coat Wire	Connex	TEXU 207126	2359	Clin 5	33,080	4,870	28,210	15,036	2,117	12,919	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/21/2005	NA	12/31/2005	

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72	Scrap metal	Scrap Metal	Connex	KSCU 216418	2361	varies	24,700	5,160	19,540	11,227	2,243	8,984	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/15/2005	NA	12/31/2005	
73	Scrap metal	Tank Steel	Connex	BABL 0847	2375	Clin 804	21,060	4,980	16,080	9,573	2,165	7,408	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	11/29/2005	NA	12/31/2005	
74	Scrap metal	Tank Steel	Connex	2304	2372	Clin 804	24,320	5,140	19,180	11,055	2,235	8,820	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/13/2005	NA	12/31/2005	
75	Scrap metal	Tank Steel	Connex	852299	2373	Clin 804	22,980	5,160	17,820	10,445	2,243	8,202	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/28/2005	NA	12/31/2005	
76	Scrap metal	Armor Wire	Connex	200294	2374	Clin 5	54,040	5,070	48,970	24,564	2,204	22,359	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/28/2005	NA	12/31/2005	
77	Scrap metal	Comm. Wire	Connex	CAK 1235	2371	Clin 5	30,560	4,960	25,600	13,891	2,157	11,734	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/13/2005	NA	12/31/2005	
78	Scrap metal	Scrap Metal	Connex	CYLU 215135	2376	Clin 807	26,540	5,070	21,470	12,064	2,204	9,859	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/14/2005	NA	12/31/2005	
79	Scrap metal	Tank Steel/Pipe	Connex	1666	2377	Clin 804 & 619	30,100	5,300	24,800	13,682	2,304	11,377	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/21/2005	NA	12/31/2005	
80	Scrap metal	Scrap Metal	Connex	CYLU 215370	2378	Clin 807	23,720	5,070	18,650	10,782	2,204	8,577	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/14/2005	NA	12/31/2005	
81	Scrap metal	Tank Steel	Connex	CYLU 218579	2379	Clin 804	19,220	5,070	14,150	8,736	2,204	6,532	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/14/2005	NA	12/31/2005	
82	Scrap metal	Tank Steel	Connex	C-276	2380	Clin 804	18,060	4,980	13,080	8,209	2,165	6,044	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/2/2005	NA	12/31/2005	
83	Scrap metal	Tank Steel	Connex	C-319	2381	Clin 804	32,520	4,980	27,540	14,782	2,165	12,617	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	11/28/2005	NA	12/31/2005	
84	Scrap metal	Tank Steel	Connex	ICSU 449614	2383	Clin 804	22,720	5,070	17,650	10,327	2,204	8,123	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/13/2005	NA	12/31/2005	
85	Scrap metal	Scrap Metal	Connex	3014	2384	Clin 807	34,140	5,140	29,000	15,518	2,235	13,283	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/20/2005	NA	12/31/2005	
86	Scrap metal	Scrap Metal	Connex	CAK 1010	2385	Clin 807	22,020	4,890	17,130	10,009	2,126	7,883	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/20/2005	NA	12/31/2005	
87	Scrap metal	Scrap Metal	Connex	857299	2387	Clin 807	30,400	5,050	25,350	13,818	2,196	11,623	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/21/2005	NA	12/31/2005	
88	Scrap metal	Scrap Metal	Connex	HJCU 850040	2388	Clin 807	28,580	5,160	23,420	12,991	2,243	10,747	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/28/2005	NA	12/31/2005	
89	Scrap metal	Scrap Metal	Connex	321320	2397	varies	32,100	5,115	26,985	14,591	2,224	12,367	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/21/2005	NA	12/31/2005	
90	Scrap metal	Scrap Metal	Connex	321959	2396	varies	28,200	5,115	23,085	12,818	2,224	10,594	NA	202881	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/20/2005	NA	12/31/2005	
91	Scrap metal	Scrap Metal	Connex	JORE 284726	2407	varies	15,720	4,980	10,740	7,145	2,165	4,980	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	12/29/2005	NA	12/31/2005	
92	Scrap metal	Scrap Metal	Connex	C 685	2399	Clin 909	15,260	4,980	10,280	6,936	2,165	4,771	NA	202880	9/27/2005	11/10/2005	Bloch Steel	Recycle	11/30/2005	NA	12/31/2005	





2005 Waste Tracking Summary Spreadsheet

Waste Package No.	Waste Name	Waste Package Contents	Waste Package Type	Waste Package ID Code	Weight Ticket #	Waste Site	Waste Package Gross Weight (lb)	Waste Package Tare Weight (lb)	Waste Package Net Weight (lb)	Waste Package Gross Weight (kg)	Waste Package Tare Weight (kg)	Waste Package Net Weight (kg)	Waste Profile No.	Manifest/Bill Lading No.	Date Out	Arrived Seattle	FDF Destination	Treatment Category	Date Received at FDF	Receipt of Return Manifest from TDS	Receipt of Certificate of Disposal	Notes
93	Scrap metal	Scrap Metal	Connex	NSIU 263328	2398	varies	28,040	4,960	23,080	12,745	2,157	10,589	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	11/30/2005	NA	12/31/2005	
94	Scrap Metal	Large Boiler	Connex	NSIU 202080		varies	24,020	5,160	18,860	10,918	2,243	8,675	NA	202882	9/27/2005	11/10/2005	Bloch Steel	Recycle	21/1/2005	NA	12/31/2005	



# Northland Services

MARINE TRANSPORTATION

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

202880

STRAIGHT BILL OF LADING – SHORT FORM

ORIGINAL – NOT NEGOTIABLE

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE <b>9/27/05</b>	BOOKING NO.	VESSEL AND VOYAGE NO. <b>GRETA S. AKAIA</b>	NSI CONTROL NOL.
PORT OF LOADING <b>NOC</b>	PORT OF DISCHARGE <b>SEATTLE</b>	DESTINATION	BEYOND CARRIER
CONSIGNEE <b>BRISTOL ENV + ENG</b>		SHIPPER <b>BRISTOL ENV + ENG</b>	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Please Specify
<b>TERMINAL 115</b>		<b>111 W. 16<sup>th</sup> ST Suite 301</b>	BILL TO: Please show complete address - include zip
<b>6700 W. MARGINAL WAY</b>		<b>Anchorage, AK 99501</b>	<b>SAME</b>
<b>SEATTLE, WA 98106</b>			
TELEPHONE		TELEPHONE <b>(907) 563-0013</b>	

INCOMING CARRIER

INCOMING CARRIER'S ADVANCE CHARGES: \$

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
JORE 284726	1	Connex	SCRAP METAL	15720
C 685	1			15260
C 276	1			18060
KSCU 216418	1			24700
TPHU 668016	1			24040
2304	1			24320
852299	1			22980
BABL 847	1			21060
CAK 1010	1			22020
SAMU 214034	1			21520
CYLU 215135	1			26540
ICSU 449614	1			22720
278109	1			27500

~~AL/KU 224122~~

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: *John Zischel / Bristol* DATE: 9-27-05 BY: *[Signature]*

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: \_\_\_\_\_

Received By: \_\_\_\_\_

Quantity: \_\_\_\_\_

Equipment  
Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE – Original

CANARY – Wharf Copy

PINK – Memo Copy

GOLDENROD – Memo Copy

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

52041

Weigh In:  
08:27 am 12/29/05  
Truck ID: 284729  
Gross Wt: 43080 lb

Weigh Out:  
08:40 am  
Truck ID: 284729

Gross Wt: 43080 lb  
Tare Wt: 27220 lb  
Net Wt: 15860 lb

WEIGHER DN PRICE NO/VALVE

LOAD OF 90% WOOD + Debris

FROM Bristol ENVIRO

TO

COMMENTS # 284729 TARE  
284726 TARE

DRIVER ON Y DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51302**

Weigh In:  
11:14 am 11/30/05  
Truck ID: 685  
Gross Wt: 41860 lb

Weigh Out:  
02:24 PM  
Truck ID: 685

Gross Wt: 41860 lb  
Tare Wt: 31600 lb  
Net Wt: 10260 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Upp Plate

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS CU85

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51377**

Weigh In:  
09:32 am 12/02/05  
Truck ID: 276  
Gross Wt: 41500 lb

Weigh Out:  
02:53 pm  
Truck ID: 276

Gross Wt: 41500 lb  
Tare Wt: 31120 lb  
Net Wt: 10380 lb

WEIGHER DX PRICE \_\_\_\_\_

LOAD OF unp plate

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # C 276

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****51743**

Division of M. Bloch & Co., Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
11:42 am 12/15/05  
Truck ID: 216418  
Gross Wt: 50800 lb

Weigh Out:  
11:53 am  
Truck ID: 216418

Gross Wt: 50800 lb  
Tare Wt: 26420 lb  
Net Wt: 24380 lb

Dirk/wood - 5000

19380 lbs

WEIGHER OK PRICE

LOAD OF imp Light Shearable  
FROM Bristol ENVIRO

TO

COMMENTS 216418 KSCU

DRIVER ON X DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51401**

Weigh In:  
02:41 pm 12/02/05  
Truck ID: 668016  
Gross Wt: 48800 lb

Weigh Out:  
10:35 am  
Truck ID: 668016

Gross Wt: 48800 lb  
Tare Wt: 32420 lb  
Net Wt: 16380 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Unp Tin

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS 668016 TPHU

DRIVER ON XO DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

51665

Weigh In:  
01:52 Pm 12/13/05  
Truck ID: 2304  
Gross Wt: 56100 lb

Weigh Out:  
01:58 Pm  
Truck ID: 2304

Gross Wt: 56100 lb  
Tare Wt: 32160 lb  
Net Wt: 23940 lb

WOOD - 4000

19940 lbs

WEIGHER

ON

PRICE

LOAD OF

~~WOOD~~

TORCH CUT

FROM

Bristol ENVIRO

TO

COMMENTS

#

2304

DRIVER ON

X

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

52021

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. + Seattle, WA 98134  
206-763-0200

Weigh In:  
01:10 PM 12/28/05  
Truck ID: 852299  
Gross Wt: 50700 lb

Weigh Out:  
07:24 am  
Truck ID: 852299

Gross Wt: 50700 lb  
Tare Wt: 32440 lb  
Net Wt: 18260 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Heavy Torch

FROM Bristol ENDURO

TO \_\_\_\_\_

COMMENTS # 852299 (Returned)

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51280**

Weigh In:  
02:16 pm 11/29/05  
Truck ID: 847  
Gross Wt: 47480 lb

Weigh Out:  
11:06 am  
Truck ID: 847

Gross Wt: 47480 lb  
Tare Wt: 31340 lb  
Net Wt: 16140 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF unp. plate

FROM Bristol ENVR

TO \_\_\_\_\_

COMMENTS BABL 847

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51852**

Weigh In:  
10:44 am 12/20/05  
Truck ID: 1010  
Gross Wt: 49720 lb

Weigh Out:  
10:53 am  
Truck ID: 1010

Gross Wt: 49720 lb  
Tare Wt: 27840 lb  
Net Wt: 21880 lb

Dirt / wood - 6000  
15880 lbs

WEIGHER ON PRICE  
LOAD OF ump light Shearable  
FROM Bristol ENUIRO  
TO  
COMMENTS CAK 1010

DRIVER ON X DRIVER OFF  
(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

52001

Weigh In:  
09:11 am 12/28/05  
Truck ID: 214034  
Gross Wt: 48760 lb

Weigh Out:  
09:18 am  
Truck ID: 214034

Gross Wt: 48760 lb  
Tare Wt: 27300 lb  
Net Wt: 21460 lb  
wood/dirt - 3000  
18460 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Wwp Light shearable

FROM Bristol Enviro

TO \_\_\_\_\_

COMMENTS # 214034

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51678**

Weigh In:  
07:59 am 12/14/05  
Truck ID: 215135  
Gross Wt: 53880 lb

Weigh Out:  
08:07 am  
Truck ID: 215135

Gross Wt: 53880 lb  
Tare Wt: 27680 lb  
Net Wt: 26200 lb

Dirt/Wood - 8000

18200 lbs

WEIGHER DW

PRICE \_\_\_\_\_

LOAD OF Unsp Tgt StearableFROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # CYLU 215135ScrapedDRIVER ON P

DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51652**

Weigh In:  
11:17 am 12/13/05  
Truck ID: 449614  
Gross Wt: 54820 lb

Weigh Out:  
11:23 am  
Truck ID: 449614

Gross Wt: 54820 lb  
Tare Wt: 32180 lb  
Net Wt: 22640 lb  
WOOD - 4000

18640 lbs

WEIGHER DW PRICE \_\_\_\_\_

LOAD OF Wrp Heavy Shearable

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS #1CSU 449614

SCRAPED

DRIVER ON XO DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51750**

Weigh In:  
12:45 pm 12/15/05  
Truck ID: 278109  
Gross Wt: 53560 lb

Weigh Out:  
09:52 am  
Truck ID: 278109

Gross Wt: 53560 lb  
Tare Wt: 35420 lb  
Net Wt: 18140 lb

WEIGHER JW PRICE \_\_\_\_\_

LOAD OF exp light shearable

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # 278109

DRIVER ON \_\_\_\_\_ DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)



# Northland Services

MARINE TRANSPORTATION

202881

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

STRAIGHT BILL OF LADING – SHORT FORM  
ORIGINAL – NOT NEGOTIABLE

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE <b>9/27/05</b>	BOOKING NO.	VESSEL AND VOYAGE NO. <b>GRETA S. AKPIK</b>	NSI CONTROL NOL.
PORT OF LOADING <b>NOC</b>	PORT OF DISCHARGE <b>SEATTLE</b>	DESTINATION	BEYOND CARRIER
CONSIGNEE <b>BRISTOL ENV &amp; ENG</b>		SHIPPER <b>BRISTOL ENV &amp; ENG</b>	
TERMINAL 115		111 W. 16 <sup>th</sup> St. Ste 301	
6700 W. MARGINAL WAY		ANCHORAGE, AK 99501	
SEATTLE, WA 98106			
TELEPHONE		TELEPHONE <b>(907) 563-0013</b>	
		COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Please Specify	
		BILL TO: Please show complete address - include zip <b>SAME</b>	

INCOMING CARRIER \_\_\_\_\_ INCOMING CARRIER'S ADVANCE CHARGES: \$ \_\_\_\_\_

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
NYKU 224122	1	CONNEX	SCRAP METAL	27220
CYLU 215370	1			23720
CAK 1052	1			25940
MLCU 295443	1			17180
CYLU 218579	1			19220
C 319	1			32520
1666	1			30100
TEXU 207126	1			33080
321959	1			28200
321320	1			32100
CAK 1235	1			30560
SEAU 214398	1			39820
3014	1			34140

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: **John H. Bort** DATE: **9-27-05** BY: **[Signature]**

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: \_\_\_\_\_

Received By: \_\_\_\_\_

Quantity: \_\_\_\_\_

Equipment  
Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE – Original    CANARY – Wharf Copy    PINK – Memo Copy    GOLDENROD – Memo Copy



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51842**

Weigh In:  
08:56 am 12/20/05  
Truck ID: 224122  
Gross Wt: 59180 lb

Weigh Out:  
09:05 am  
Truck ID: 224122

Gross Wt: 59180 lb  
Tare Wt: 32120 lb  
Net Wt: 27060 lb

Wood/Dirt

- 4000

23060 lbs

WEIGHER DH

PRICE \_\_\_\_\_

LOAD OF dry light shavingsFROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS

to NYKU 224122DRIVER ON X

DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51692**

Weigh In:  
09:51 am 12/14/05  
Truck ID: 215337  
Gross Wt: 50900 lb

Weigh Out:  
01:48 pm  
Truck ID: 215337

Gross Wt: 50900 lb  
Tare Wt: 27620 lb  
Net Wt: 23280 lb

Dirt/wood - 5000  
18280 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Torch cut

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS 215337 CYLU 215370

DRIVER ON P DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51685**

Weigh In:  
09:02 am 12/14/05  
Truck ID: 1052  
Gross Wt: 53700 lb

Weigh Out:  
09:06 am  
Truck ID: 1052

Gross Wt: 53700 lb  
Tare Wt: 27660 lb  
Net Wt: 26040 lb

Dirt/WOOD - 6000

20040 lbs

WEIGHER DH PRICE \_\_\_\_\_

LOAD OF Heavy Shearable scrap

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # C AK 1052

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****51243**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
11:36 am 11/28/05  
Truck ID: 295443  
Gross Wt: 42620 lb

Weigh Out:  
02:10 pm  
Truck ID: 295443

Gross Wt: 42620 lb  
Tare Wt: 32940 lb  
Net Wt: 9680 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF 7 in # 2

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS <sup>mlcu</sup> 295443

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch &amp; Co. Inc.

4580 Colorado Ave. S. Seattle, WA 98134

206-763-0200

51713

Weigh In:

02:15 PM 12/14/05

Truck ID: 218579

Gross Wt: 49860 lb

Weigh Out:

10:45 am

Truck ID: 218579

Gross Wt: 49860 lb

Tare Wt: 36820 lb

Net Wt: 13040 lb

WEIGHER DN PRICE \_\_\_\_\_LOAD OF Light Seawater WmpFROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS CYLU 218579ReturnedDRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51237**

Weigh In:  
08:56 am 11/28/05  
Truck ID: 319  
Gross Wt: 57440 lb

Weigh Out:  
11:29 am  
Truck ID: 319

Gross Wt: 57440 lb  
Tare Wt: 31180 lb  
Net Wt: 26260 lb

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Plate UNP

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # C319

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****51903**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
11:18 am 12/21/05  
Truck ID: 1666  
Gross Wt: 57540 lb

Weigh Out:  
11:22 am  
Truck ID: 1666

Gross Wt: 57540 lb  
Tare Wt: 27780 lb  
Net Wt: 29760 lb

Dirt/Wood - 6000

23760 lbs

WEIGHER DN CUT PRICE

LOAD OF UNP TORCH ~~STEEL~~

FROM Bristol ENVIRO

TO

COMMENTS # 11666

DRIVER ON X

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES****51899**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
10:13 am 12/21/05  
Truck ID: 207126  
Gross Wt: 60800 lb

Weigh Out:  
10:29 am  
Truck ID: 207126

Gross Wt: 60800 lb  
Tare Wt: 27760 lb  
Net Wt: 33040 lb

wood/dirt 8000

**25040 lbs**

WEIGHER OK

PRICE \_\_\_\_\_

LOAD OF insulated wireFROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # TEXA 207126DRIVER ON ✓

DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51860**

Weigh In:  
12:29 pm 12/20/05  
Truck ID: 321959  
Gross Wt: 55660 lb

Weigh Out:  
12:34 pm  
Truck ID: 321959

Gross Wt: 55660 lb  
Tare Wt: 27860 lb  
Net Wt: 27800 lb

wood/dirt - 5000  
22800 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Chip Light Material

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # 321959

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51889**

Weigh In:  
08:07 am 12/21/05  
Truck ID: 321320  
Gross Wt: 59720 lb

Weigh Out:  
08:21 am  
Truck ID: 321320

Gross Wt: 59720 lb  
Tare Wt: 27780 lb  
Net Wt: 31940 lb

wood / dirt - 11000  
20940 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Unp Light Stearable

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # 321320

DRIVER ON ✓ DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

51657

Weigh In:  
12:44 PM 12/13/05  
Truck ID: 1235  
Gross Wt: 62600 lb

Weigh Out:  
12:49 PM  
Truck ID: 1235

Gross Wt: 62600 lb  
Tare Wt: 32160 lb  
Net Wt: 30440 lb

Dirt/Wood - 6000

24440 lbs

WEIGHER ON PRICE

LOAD OF Up Light Steerable

FROM Bristol ENVIRO

TO

COMMENTS at CHK 1235

DRIVER ON X DRIVER OFF

(See Reverse For Certification)

51415

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
11:30 am 12/05/05  
Truck ID: 214398  
Gross Wt: 65280 lb

Weigh Out:  
08:27 am  
Truck ID: 214398

Gross Wt: 65280 lb  
Tare Wt: 31200 lb  
Net Wt: 34080 lb

WEIGHER ON PRICE \_\_\_\_\_

\* LOAD OF Wsp Cable

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS # 5 EAU 214398

DRIVER ON P DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51871**

Weigh In:  
01:28 pm 12/20/05  
Truck ID: 3014  
Gross Wt: 61780 lb

Weigh Out:  
01:58 pm  
Truck ID: 3014

Gross Wt: 61780 lb  
Tare Wt: 27860 lb  
Net Wt: 33920 lb

wood/dirt - 9000

24920 lbs

WEIGHER ON PRICE \_\_\_\_\_

LOAD OF unp Cable (High Tensile)

FROM Bristol ENVIKO

TO \_\_\_\_\_

COMMENTS #3014

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)



P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

INCOMING CARRIER \_\_\_\_\_ INCOMING CARRIER'S ADVANCE CHARGES: \$ \_\_\_\_\_

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whenever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: Shipton / 15-25C DATE: 9-27-00 BY: [Signature]

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: \_\_\_\_\_

Received By: \_\_\_\_\_

Quantity: \_\_\_\_\_

Equipment  
Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

**WHITE – Original**

**CANARY – Wharf Copy**

**PINK – Memo Copy**

**GOLDENROD – Memo Copy**

**BLOCH STEEL INDUSTRIES****51908**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
12:36 pm 12/21/05  
Truck ID: 857630  
Gross Wt: 68080 lb

Weigh Out:  
09:56 am  
Truck ID: 857630

Gross Wt: 68080 lb  
Tare Wt: 32620 lb  
Net Wt: 35460 lb

WEIGHER DN PRICE \_\_\_\_\_  
LOAD OF UNP CABLE Torch cut  
FROM Bristol ENVIRO  
TO \_\_\_\_\_  
COMMENTS HSCU 857630

DRIVER ON X DRIVER OFF \_\_\_\_\_  
(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**52012**

Weigh Ins:  
11:31 am 12/28/05  
Truck ID: 200294  
Gross Wt: 81580 lb

Weigh Out:  
11:53 am  
Truck ID: 200294

Gross Wt: 81580 lb  
Tare Wt: 27340 lb  
Net Wt: 54240 lb

WEIGHER DN PRICE \_\_\_\_\_  
LOAD OF insulated wire  
FROM Bristol ENVIKO  
TO \_\_\_\_\_  
COMMENTS # M441200294  
DRIVER ON D DRIVER OFF \_\_\_\_\_  
(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co., Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51893**

Weigh In:  
09:13 am 12/21/05  
Truck ID: 857299  
Gross Wt: 58060 lb

Weigh Out:  
09:18 am  
Truck ID: 857299

Gross Wt: 58060 lb  
Tare Wt: 27760 lb  
Net Wt: 30300 lb

Tires / Dirt / Wood - 8000

**22300 lbs**

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Up right Shearable

FROM Bristol ENVRD

TO \_\_\_\_\_

COMMENTS # 857299

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**52009**

Weigh In:  
10:38 am 12/28/05  
Truck ID: 850040  
Gross Wt: 56820 lb

Weigh Out:  
10:43 am  
Truck ID: 850040

Gross Wt: 56820 lb  
Tare Wt: 27380 lb  
Net Wt: 29440 lb

wood/dirt

- 9000

20440 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF unp light Stearable

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS at HSCU 850040

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

51323

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

Weigh In:  
02:41 PM 11/30/05  
Truck ID: 263328  
Gross Wt: 54300 lb

Weigh Out:  
12:34 PM  
Truck ID: 263328

Gross Wt: 54300 lb  
Tare Wt: 34060 lb  
Net Wt: 20240 lb

WOOD/Concrete - 2000

18240 lbs

WEIGHER DN PRICE \_\_\_\_\_

LOAD OF Wup Tin & R

FROM Bristol ENVIRO

TO \_\_\_\_\_

COMMENTS NS14 263328

WOOD/Concrete

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**51355**

Weigh In:  
12:42 PM 12/01/05  
Truck ID: 202080  
Gross Wt: 48700 lb

Weigh Out:  
09:27 am  
Truck ID: 202080

Gross Wt: 48700 lb  
Tare Wt: 29840 lb  
Net Wt: 18860 lb

mod / Rusty / Corrosion - 6000  
12860 lbs

WEIGHER DN PRICE \_\_\_\_\_  
LOAD OF ~~1000~~ LARGE boiler (Heavy Burnable)  
FROM Bristol ENVIRO  
TO \_\_\_\_\_  
COMMENTS #NSIU 202080

DRIVER ON X DRIVER OFF \_\_\_\_\_

(See Reverse For Certification)



# Northland Services

MARINE TRANSPORTATION

202883

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

STRAIGHT BILL OF LADING – SHORT FORM

ORIGINAL – NOT NEGOTIABLE

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE <u>August 2, 2005</u>	BOOKING NO.	VESSEL AND VOYAGE NO. <u>Sea Link</u>	NSI CONTROL NOL.
PORT OF LOADING <u>NOC</u>	PORT OF DISCHARGE <u>Seattle</u>	DESTINATION	BEYOND CARRIER
CONSIGNEE <u>Bristol Environmental</u> <u>Terminal 115</u> <u>6700 W. Marginal Way</u> <u>Seattle, WA 98106</u>		SHIPPER <u>Bristol Environmental</u> <u>2000 W. International Airport Rd</u> <u>Anchorage, AK 99502</u> TELEPHONE <u>(907) 563-0013</u>	
TELEPHONE		COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify BILL TO: Please show complete address - include zip <u>#C-1 SAME</u> <u>Bristol Environmental</u> <u>2000 W. International Airport Rd</u> <u>Anchorage, AK 99502</u>	

INCOMING CARRIER

INCOMING CARRIER'S ADVANCE CHARGES: \$

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
<u>KRIC 378567</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>32320</u>
<u>223423</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>41380</u>
<u>1432</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>26920</u>
<u>1752</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>23980</u>
<u>EISU 322022</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>30440</u>
<u>1787</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>21820</u>
<u>1868</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>32120</u>
<u>TRIU 332377</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>20160</u>
<u>EMCU 285779</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>26100</u>
<u>777463</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>32500</u>
<u>TEXU 326370</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>22320</u>
<u>EMCU 284063</u>	<u>1</u>	<u>Connex</u>	<u>Scrap Metal</u>	<u>26280</u>
<u>TTNU 215277</u>	<u>1</u>	<u>Connex</u>	<u>Wire (Armored Comm. Wire)</u>	<u>30200</u>

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: [Signature] DATE: 8-2-05 BY: [Signature]

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: Aug 02, 2005

Received By: [Signature]

Quantity: [Signature]

Equipment Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE – Original

CANARY – Wharf Copy

PINK – Memo Copy

GOLDENROD – Memo Copy

**BLOCH STEEL INDUSTRIES**

49729

Division of M. Bloch &amp; Co. Inc.

4180 Colorado Ave. S. Seattle, WA 98134

206-763-0200

Weigh In:

09:19 am 09/26/05

Truck ID: 378567

Gross Wt: 35300 lb

Weigh Out:

09:26 am

Truck ID: 378567

Gross Wt: 35300 lb

Tare Wt: 24120 lb

Net Wt: 11180 lb

wood/dirt 3000  
11480 lbs

WEIGHER DW

PRICE \$95.00/TWT

LOAD OF W&P Heavy Scrap  
FROM Bristol ENVIRO

TO :

COMMENTS # 378567 (Scraped)

Includes Container

DRIVER ON XO

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49498**

Division of M. Bloch &amp; Co. Inc.

4001 Colver Ave. S. Seattle, WA 98114

TEL 762-1200

Weigh In:

01:43 PM 09/16/85

Truck ID# 223423

Gross Wt: 65820 LB

Weigh Out:

02:13 PM

Truck ID# 223423

Gross Wt: 65820 LB

Tare Wt: 24600 LB

Net Wt: 41020 LB

(Load) - 1000

40020 LBS

WEIGHER DNPRICE \$25.30 / LBLOAD OF Imp Heavy ScrapFROM Bristol ENVIRO

TO

COMMENTS # 223423 (Scraped)DRIVER ON DN

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch &amp; Co. Inc.

4530 Colorado Ave. S. Seattle, WA 98134

206-763-0200

49608

Weigh In:  
10:21 on 03/21/05  
Truck ID# 1432  
Gross Wt 53700 lb

Weigh Out:  
01:55 pm  
Truck ID# 1432

Gross Wt 53700 lb  
Tare Wt 22200 lb  
Net Wt 31500 lb

WEIGHER ON

PRICE

\$100.00

LOAD OF Used Heavy ScrapFROM (Bristol) ENVIRO

TO

COMMENTS # 1432

(RETURNED)

DRIVER ON P

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4040 Colorado Ave. S. Seattle, WA 98134  
206-753-0770

**49461**

Weight In:  
01:47 PM 04/15/05  
Truck ID: 1752  
Gross Wt: 51340 lb

Weight Out:  
01:54 PM  
Truck ID: 1752

Gross Wt: 51340 lb  
Tare Wt: 26340 lb  
Net Wt: 25000 lb

Time: 02/15/05 - 2000  
#1600 lbs

WEIGHED DNPRICE 11.00LOAD OF 1000 Light SumpFROM Bristol ENVIRO

TO

COMMENTS # 1752DRIVER ON X

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

49489

Division of M. Bloch &amp; Co. Inc.

4001 Cornwell Ave. S. Seattle, WA 98134

TEL 782-7220

Weigh In:

07:44 on 02/15/05

Truck ID: 322022

Gross Wt: 50560 lb

Weigh Out:

09:33 on

Truck ID: 322022

Gross Wt: 50560 lb

Tare Wt: 26720 lb

Net Wt: 23840 lb

Units: - 140

23840 (4)

WEIGHER DNPRICE 05LOAD OF ump Heavy ScrapFROM Bristol ENVIRO

TO

COMMENTS #1 322022 (Scrap)DRIVER ON yo

DRIVER OFF

(See Reverse for Certification)

# BLOCH STEEL INDUSTRIES

Division of P.M. Bloch & Co., Inc.

4550 Colorado Ave. S. Seattle, WA 98134

206-725-0200

49551

Weight Inv  
09/20/15  
Truck ID: 1787  
Gross Wt: 46300 lb

Weight Inv  
12/30/15  
Truck ID: 1787

Gross Wt: 40000 lb  
Tare Wt: 31200 lb  
Net Wt: 17100 lb

WEIGHER

ON

PRICE

40000

LOAD OF 40000 lb

FROM Bristol ENVIRO

TO

COMMENTS # 1787 (Returned)

DRIVER ON

XO

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49508**

Division of M. Bloch &amp; Co., Inc.

4981 Chestnut Ave. E. Seattle, WA 98134

206-763-2200

Weigh Date:

08:13 am 05/19/05

Truck ID: 1858

Gross Wt: 58760 lb

Weigh Date:

08:39 am

Truck ID: 1858

Gross Wt: 58760 lb

Tare Wt: 27000 lb

Net Wt: 31760 lb

- 10000

30760 lbs

WEIGHER *OK*

PRICE

LOAD OF *chip Heavy scrap Torch*  
FROM *Bristol ENVIRO*

TO

COMMENTS # *1868**(Scrapped)*DRIVER ON *P*

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49516**

Division of M. Bloch & Co., Inc.  
4550 Colorado Ave. S. Seattle, WA 98134  
206-723-3200

Weigh In:  
10:13 am 09/19/03  
Truck ID: 332377  
Gross Wt: 47020 lb

Weigh Out:  
03:04 pm  
Truck ID: 332377

Gross Wt: 47020 lb  
Tare Wt: 32520 lb  
Net Wt: 14500 lb

WEIGHER ONPRICE \$80.00LOAD OF ump Tight ScrapFROM Bristol ENVIKO

TO

COMMENTS # 332377(Returned)DRIVER ON P

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

49453

Division of M. Bloch &amp; Co. Inc.

4991 Colorado Ave. S. Seattle, WA 98134

206-763-0200

Weigh In:

12:36 pm 09/15/05

Truck ID: 812

Gross Wt: 33700 lb

Weigh Out:

12:40 pm

Truck ID: 812

Gross Wt: 33700 lb

Tare Wt: 29240 lb

Net Wt: 25460 lb

Net Wt / Rock / Prod - 4000

21460

WEIGHER

ON

PRICE

5.00

LOAD OF Warp Light ScrapFROM Bristol Eureka

TO

COMMENTS # 285779 (SCRAPED)

DRIVER ON

A

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

49520

Division of Mt. Bloch &amp; Co. Inc.

4500 Colman Ave. S. Seattle, WA 98134

206-752-1321

Weigh In:

11:22 am 09/19/05

Track ID: 777463

Gross Wt: 50320 lb

Weigh Out:

11:34 am

Track ID: 777463

Gross Wt: 50320 lb

Tare Wt: 2000 lb

Net Wt: 48320 lb

- 2000 lb

30380 lbs

WEIGHER ONPRICE 895<sup>00</sup>/<sub>100</sub>LOAD OF Scrap Heavy ScrapFROM Bristol ENVIRO

TO

COMMENTS

# 777463 (Scrapped)

DRIVER ON P

DRIVER OFF

(See Reverse For Certification)



# BLOCH STEEL INDUSTRIES

Division of Mt. Whitney & Co., Inc.  
4590 Greenwood Ave. E. Seattle, WA 98134  
(206) 763-0200

49491

Vehicle ID#  
08744 on 03/14/03  
Truck ID# 2  
Gross Wt: 48143 lb

Vehicle ID#  
08750 on  
Truck ID# 2  
Gross Wt: 48143 lb  
Tare Wt: 20040 lb  
Net Wt: 28103 lb

WEIGHER ON

PRICE 95 <sup>00</sup>/<sub>100</sub>

LOAD OF Unp Heavy Crop  
FROM BRISTOL ENVIRO  
TO

COMMENTS # 326370

DRIVER ON P

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch &amp; Co. Inc.

4550 Colorado Ave. S. Seattle, WA 98134

206-763-1500

**49599**

Weigh In:

08:57 on 09-21-05

Truck ID: 254063

Gross Wt: 52720 lb

Weigh Out:

09:21 on

Truck ID: 254063

Gross Wt: 50720 lb

Tare Wt: 26000 lb

Net Wt: 24720 lb

Out / Gross - 5000

32,000 lbWEIGHER DNPRICE \$78.00 CTLOAD OF WWT Light ScrapFROM Prystal Enviro

TO

COMMENTS # 254063 (Scraped)DRIVER ON X

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49495**

Division of BA Bloch & Co. Inc.  
4580 Greenwood Ave. S. Seattle, WA 98134  
206-763-0200

Weight In:  
11119 lbs 09/16/05  
Truck ID: 215279  
Gross Wt: 24620 lb

Weight Out:  
12139 lbs  
Truck ID: 215279

Gross Wt: 54630 lb  
Tare Wt: 29620 lb  
Net Wt: 24990 lb

WEIGHER DNPRICE .0054

LOAD OF Construction Wire  
FROM Bristol ENVIKO

TO

COMMENTS # 215279(RETURNED)DRIVER ON X

DRIVER OFF

(See Reverse For Certification)



# Northland Services

MARINE TRANSPORTATION

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

202884

STRAIGHT BILL OF LADING – SHORT FORM

ORIGINAL – NOT NEGOTIABLE

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE <i>August 2, 2005</i>	BOOKING NO.	VESSEL AND VOYAGE NO. <i>Sea-Tide</i>	NSI CONTROL NOL.
PORT OF LOADING <i>NOC</i>	PORT OF DISCHARGE <i>Seattle</i>	DESTINATION	BEYOND CARRIER
CONSIGNEE <i>Bristol Environmental Terminal 115 6700 W. Marginal Way Seattle, WA 98106</i>	SHIPPER <i>Bristol Environmental 2000 W. International Airport Rd. #C-1 Anchorage, AK 99502</i>	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify BILL TO: Please show complete address - include zip <i>Bristol Environmental 2000 W. International Airport Anchorage, AK 99502</i>	
TELEPHONE	TELEPHONE		

INCOMING CARRIER

INCOMING CARRIER'S ADVANCE CHARGES: \$

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
<i>873069</i>	<i>1</i>	<i>Connex</i>	<i>Generator Set</i>	<i>32680</i>
<i>HJCU 854413</i>	<i>1</i>	<i>Connex</i>	<i>Generator Set</i>	<i>32120</i>
<i>CYLU 216907</i>	<i>1</i>	<i>Connex</i>	<i>Scrap Metal</i>	<i>26320</i>
<i>672403</i>	<i>1</i>	<i>Connex</i>	<i>Scrap Metal</i>	<i>26200</i>

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I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: *[Signature]* DATE: *8-2-05* BY: *[Signature]*

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: *Aug 02 2005*  
 Received By: *[Signature]*  
 Quantity: *1-7*  
 Equipment Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_

WHITE – Original

CANARY – Wharf Copy

PINK – Memo Copy

GOLDENROD – Memo Copy

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch &amp; Co., Inc.

4935 Colorado Ave. S. Seattle, WA 98134

206-763-2200

49577

Weigh In:

07:41 on 08/20/05

Truck ID: 873069

Gross Wt: 59230 lb

Weigh Out:

07:10 on

Truck ID: 873069

Gross Wt: 59260 lb

Tare Wt: 11260 lb

Net Wt: 48000 lb

WEIGHER ON

PRICE

LOAD OF UMP large generators & motors  
FROM Buista ENVIRO

TO

COMMENTS # 873069

(RETURNED)

DRIVER ON XO

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49419**

DIVISION OF M. BLOCH & CO. INC.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-9210

Weigh In:  
11:41 am 09/14/05  
Truck ID# 514  
Gross Wt 58380 lb

Weigh Out:  
10:38 am  
Truck ID# 514  
Gross Wt 58380 lb  
Tare Wt 31180 lb  
Net Wt 27200 lb

WEIGHER DN PRICE \$1.01 / lb

LOAD OF Generator units (2)

FROM Bristol ENVIKO

TO

COMMENTS 854413 (Box was  
Returned)

DRIVER ON ✓

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49482**

Division of M. Bloch &amp; Co. Inc.

4500 Colorado Ave. E. Seattle, WA 98134

206-762-0201

Weigh In:

08:42 on 09/15/05

Truck ID: 216907

Gross Wt: 54340 lb

Weigh Out:

08:47 on

Truck ID: 216907

Gross Wt: 54340 lb

Tare Wt: 28260 lb

Net Wt: 26080 lb

4500/216

- 2000

24080 lbs

WEIGHER

ON

PRICE

205.22

LOAD OF Unp Heavy ScrapFROM Bristol ENVIRO

TO

COMMENTS # 216907 (SENDER)

DRIVER ON

☒

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49450**

Division of M. Bloch &amp; Co. Inc.

4040 Colorado Ave. S. Seattle, WA 98134

206-763-0200

Weigh In:  
11:17 am 01/15/05  
Truck ID: 812  
Gross Wt: 53900 lb

Weigh Out:  
11:32 am  
Truck ID: 812

Gross Wt: 53900 lb  
Tare Wt: 24000 lb  
Net Wt: 29900 lb

Wagon

Net

29900 lbWEIGHER DNPRICE 1.85

LOAD OF ~~STEEL~~ WLD Heavy Scrap  
FROM Bristol ENVIRO  
TO

COMMENTS 672403WOOD Floor(SCRAPED)DRIVER ON K

DRIVER OFF

(See Reverse For Certification)





# Northland Services

MARINE TRANSPORTATION

202885

P.O. BOX 24527 • SEATTLE, WA 98124  
(206) 763-3000 (800) 426-3113 FAX: (206) 767-5579

STRAIGHT BILL OF LADING - SHORT FORM

ORIGINAL - NOT NEGOTIABLE

BILL OF LADING INSTRUCTIONS AS GIVEN BY SHIPPER OR HIS REPRESENTATIVE

DATE 8/4	BOOKING NO.	VESSEL AND VOYAGE NO. NORWang JP103	NSI CONTROL NOL.
PORT OF LOADING NF Cape	PORT OF DISCHARGE NOME	DESTINATION SEA	BEYOND CARRIER
CONSIGNEE Bristol Environmental Terminal 115 6700 W. Marginal Way S Seattle, WA 98106		SHIPPER Bristol Environmental 2000 W. Int. Airport Rd, #C-1 Anchorage, AK 99502	COLLECT <input type="checkbox"/> PREPAID <input type="checkbox"/> OTHER <input type="checkbox"/> Please Specify BILL TO: Please show complete address - include zip SAME Bristol Environmental 2000 W. Int. Airport Rd, #C-1 Anchorage, AK 99502
TELEPHONE		TELEPHONE (907) 563-0013	

INCOMING CARRIER

INCOMING CARRIER'S ADVANCE CHARGES: \$

CONTAINER OR P.F.	NO. OF PIECES	KIND OF PACKAGE	COMMODITY DESCRIPTION	GROSS WEIGHT
2787	1	Connex	Scrap Metal	45,840 lbs
NSIU299232	1	Connex	Scrap Metal	29,280
EISU307841	1	Connex	Scrap Metal	30,240
CAX1106	1	Connex	Scrap Metal	27,760
CYLU215699	1	Connex	Scrap Metal	25,840
CAXU618714	1	Connex	Scrap Metal	26,460
HJCU858333	1	Connex	Scrap Metal	24,800
EISU303047	1	Connex	Scrap Metal	30,680
JORU567553	1	Flat Bed	D-8' Cat (Scrap Metal)	35,980

In accepting this bill of lading the shipper agrees that the custody and carriage of the goods identified shall be subject to the terms and conditions of this bill of lading and carrier's tariff or applicable contract of affreightment, which shall govern the relations, whatsoever they may be, between the carrier and the shipper, owner and/or consignee of the goods, in every contingency and whensoever occurring.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

SHIPPER: Beech DATE: 8-4-05 BY: \_\_\_\_\_

It is declared that the packing of the container has been carried out in accordance with the provisions of 49 CFR 176.27(c).

SHIPPER: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NSI RECEIVING STAMP

Date: 8/4/05

Received By: [Signature]

Quantity: \_\_\_\_\_

Equipment Number: \_\_\_\_\_

Where rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. THE AGREED OR DECLARED VALUE OF THE PROPERTY IS HEREBY SPECIFICALLY STATED BY THE SHIPPER TO BE NOT EXCEEDING \$ \_\_\_\_\_ PER \_\_\_\_\_.

WHITE - Original

CANARY - Wharf Copy

PINK - Memo Copy

GOLDENROD - Memo Copy



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
45551 Cindracan Ave. S. Seattle, WA 98148  
206-765-1200

**49741**

Weight In:  
12135 HR 09/26/05  
Truck ID# 2787  
Gross Wt: 70030 lb

Weight Out:  
12135 HR  
Truck ID# 2787

Gross Wt: 70030 lb  
Tare Wt: 25200 lb  
Net Wt: 44830 lb

Dr. L. W. W. W.

44740 lb

WEIGHER **ON**PRICE **10.00** / CWT.LOAD OF **Unp Heavy Scrap**FROM **CRISTO ENVIRO**

TO

COMMENTS **# 2787****Scrapped  
Includes Container**DRIVER ON **X**

DRIVER OFF

(See Reverse for Certification)

**BLOCH STEEL INDUSTRIES****49694**

Division of M. Bloch &amp; Co., Inc.

4500 Colorado Ave. S. Seattle, WA 98134

TEL: 753-8523

Weigh In:

09:34 on 09-23-10

Truck ID: 299233

Gross Wt: 54240 lb

Weigh Out:

10:34 on

Truck ID: 299233

Gross Wt: 54240 lb

Tare Wt: 10000 lb

Net Wt: 28560 lb

Out - 2000

21860 lb

WEIGHER

ON

PRICE

100.12

LOAD OF UNP Heavy Scrap

FROM Bristol ENVIRO

TO

COMMENTS # 299233

(Returned)

DRIVER ON

P

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49687**

Division of H. Bloch & Co. Inc.  
4550 Cranston Ave. S. Seattle, WA 98134  
206-753-1241

Weigh Date  
03/48 at 03/23/05  
Truck ID# 307849  
Gross Wt: 35140 lb

Weigh Date  
03/79 at  
Truck ID# 307849  
Gross Wt: 35140 lb  
Tare Wt: 24940 lb  
Net Wt: 10200 lb

WOOD/DIRT - 3000

27200 lbs

WEIGHER ON

PRICE \$7.80/10

LOAD OF UNP Light Semp

FROM Bristol ENVIKO

TO

COMMENTS # 307849 (Sempad)

DRIVER ON X

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49655**

Division of M. Bloch &amp; Co. Inc.

4580 Chickamauga Ave. S. Memphis, TN 38114

208-761-0201

Weight In:  
09041 on 09/20/85  
Tare ID: 1108  
Gross Wt: 32560 lb

Weight Out:  
10110 on  
Tare ID: 1108

Gross Wt: 32560 lb  
Tare Wt: 3560 lb  
Net Wt: 27000 lb  
25000 - 1000

**26300 lb**WEIGHER **ON**PRICE **\$10500** NETLOAD OF **UNP Heavy Scrap**  
FROM **Bristol ENVIRO**

TO

COMMENTS **# 11016 (Scraped)**DRIVER ON **X**

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49739**

Division of M. Bloch &amp; Co. Inc.

4550 Commerce Ave. E. Seattle, WA 98114

206-763-1501

Weigh In:

11:28 am 09/25/05

Truck ID: 215699

Gross Wt: 30760 lb

Weigh Out:

11:30 am

Truck ID: 215699

Gross Wt: 30760 lb

Tare Wt: 2020 lb

Net Wt: 28740 lb

TAXES \$1000/yr - 307  
27660 lbWEIGHER DNPRICE \$17.50LOAD OF Unp Egtl ScrapFROM Bristol ENVIKO

TO

COMMENTS # 215699 (Scrapped)  
Includes containerDRIVER ON ✓

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49639**

Division of M. Bloch &amp; Co., Inc.

4580 Greenwood Ave. S. Seattle, WA 98134

206-763-0500

Weigh In:

02:56 PM 09/21/05

Truck ID: 618714

Gross Wt: 52920 lb

Weigh Out:

03:51 PM

Truck ID: 618714

Gross Wt: 52920 lb

Tare Wt: 30340 lb

Net Wt: 22580 lb

WEIGHER

ON

PRICE

\$100.00

LOAD OF VMD - Heavy Sample

FROM Bristol ENVIRO

TO

COMMENTS # 618714

DRIVER ON

X

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co., Inc.  
4550 Colorado Ave. S. Seattle, WA 98134  
206-753-0333

**49662**

Weight In:  
11113 on 09-22-05  
Truck ID: 258333  
Gross Wt: 49700 lb

Weight Out:  
08115 on  
Truck ID: 258333  
Gross Wt: 49700 lb  
Tare Wt: 30520 lb  
Net Wt: 19180 lb

Dirt 2000

17580 lbs

WEIGHER DN

PRICE \$100.00 MT

LOAD OF WNO Heavy scrap

FROM Bristol ENVIKO

TO

COMMENTS at 258333 (Returned)

DRIVER ON X

DRIVER OFF

(See Reverse For Certification)

**BLOCH STEEL INDUSTRIES****49660**

Division of M. Bloch & Co. Inc.  
4550 Calverton Ave. S. Seattle, WA 98134  
206-763-1300

Weigh In  
10:46 am 09/23/05  
Truck ID: 303047  
Gross Wt: 35600 lb

Weigh Out  
10:50 am  
Truck ID: 303047

Gross Wt: 35600 lb  
Tare Wt: 20200 lb  
Net Wt: 15400 lb

10000

29280 lbs

WEIGHER

ON

PRICE  $195^{00}/\text{LT}$ 

LOAD OF UNP Heavy Scrap

FROM Bristol Enviro

TO

COMMENTS

303047 (Scrapped)

DRIVER ON

LO

DRIVER OFF

(See Reverse For Certification)



**BLOCH STEEL INDUSTRIES**

Division of M. Bloch & Co. Inc.  
4580 Colorado Ave. S. Seattle, WA 98134  
206-763-0200

**50687**

Weigh In:  
01:04 pm 11/01/05  
Truck ID: 1  
Gross Wt: 62340 lb

Weigh Out:  
01:27 pm  
Truck ID: 1

Gross Wt: 62340 lb  
Tare Wt: 31000 lb  
Net Wt: 31340 lb

WEIGHER DN PRICE 70<sup>00</sup>/hr  
LOAD OF D-8 CAT ADJUSTED  
FROM Bristol ENVIRO HAILED  
TO \_\_\_\_\_  
COMMENTS \_\_\_\_\_

DRIVER ON X DRIVER OFF \_\_\_\_\_  
(See Reverse For Certification)

This Manifest conforms to all Federal and Provincial transport and environmental legislation requiring manifesting.  
Ce manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport, requérant un manifeste

**2352850-8**

[illegible]



Environment Environnement  
Canada Canada

# TRANSIT NOTICE PRÉAVIS DE TRANSIT

Notice Reference No.: - N° de référence du préavis:

**T-10734**

For transit of hazardous wastes through Canada pursuant  
to subsection 185(1) and section 191 of the *Canadian Environmental Protection Act, 1999*

En vue du transit de déchets dangereux au Canada conformément  
au paragraphe 185(1) et à l'article 191 de la *Loi canadienne sur la protection de l'environnement (1999)*

<b>1 FOREIGN GENERATOR</b> <b>PRODUCTEUR ÉTRANGER</b>		<b>2 FOREIGN RECEIVER</b> <b>DESTINATAIRE ÉTRANGER</b>	
ID No.: N° d'identification: AKO 000 228395		Licence or Permit No.: N° de licence ou de permis: ORD 089 452 353	
Name: USARMY USACE NORTHEAST CAPE Nom :		Name: CHEMICAL WASTE MANAGEMENT OF THE NW. Nom :	
Address: PO BOX 35066 Adresse: FT WAINWRIGHT, AK 99703-0066		Address: Adresse: 17629 CEDAR SPRINGS LANE ARLINGTON, OR 97812	
Shipping Site Address: Adresse du site d'envoi:		Receiving Site Address: Adresse du site de réception:	
Tel. No.: N° de tél.: ( ) 907-353-7850		Fax. No.: N° de téléc.: ( ) 907-353-7070	
Tel. No.: N° de tél.: ( ) 541-454-2030		Fax. No.: N° de téléc.: ( ) 541-454-3247	
<b>3 CARRIER</b> <b>TRANSPORTEUR</b>		<b>SHIPPING DETAILS</b> <b>DÉTAILS SUR LES ENVOIS</b>	
License or Permit No.: N° de licence ou de permis: WAD 981 773 005		<b>4</b> Number of Transits: Nombre de transits: Two (2)	
Name: NORTHLAND SERVICES Nom :		<b>5</b> Customs Offices Bureaux de douane	
Address: 110 PREFONTAINE Adresse: PLACE SOUTH SUITE 600 SEATTLE, WA 98104		Entry into Canada: DIXON ENTRANCE Entrée au Canada:	
Mode of Transport: Mode de transport:		Exit from Canada: STRAIT OF JUAN DE FUCA Sortie du Canada:	
<input type="checkbox"/> Road / Route <input type="checkbox"/> Rail / Rail <input checked="" type="checkbox"/> Marine / Mer <input type="checkbox"/> Air / Air		Others: Autres:	
If other carriers, attach a list. S'il y a d'autres transporteurs, annexez une liste.		<b>6</b> First Transit Premier transit	
Attached ci-joint		Departure: Départ:	
Tel. No.: N° de tél.: ( ) 800-426-3113		Arrival: Arrivée:	
Fax. No.: N° de téléc.: ( ) 206-767-5579		Y-A M D-J 0 5 0 7 3 1	
Y-A M D-J 0 5 0 8 3 1		Y-A M D-J 0 5 0 8 3 1	
<b>7 OTHER TRANSIT COUNTRY(IES)</b> AUTRE(S) PAYS DE TRANSIT		Country: N/A Pays:	
Length of Stay: Durée du transit:		TRANSITE ONLY	
Attached ci-jointe		<input type="checkbox"/>	

8 HAZARDOUS WASTE INFORMATION RENSEIGNEMENT SUR LES DÉCHETS DANGEREUX		(b) ID No. set out in Schedule III: N° d'identification donné à l'annexe III:	(c) TDGR PIN: NIP du RTMD:	(d) Class Classe	(e) Quantity of Each Waste: Quantité par déchets:	(f) Packing Group: Groupe d'emballage:	(g) Packaging Type: Type d'emballage:
(a) International Waste Identification Code: Code international d'identification des déchets							
1) Q16//D5//P10//C32//H0//A935		CR0101	UN2315	9	240,000 <input checked="" type="checkbox"/> Kg <input type="checkbox"/> L	III	03
2) Q16//D13//S21//C18//H11//A935		CR1009	UN3077	9	400 <input checked="" type="checkbox"/> Kg <input type="checkbox"/> L	II	01
3) Q16//D5//S40//C25//H0//A935		CR0102	UN2590	9	9,000 <input checked="" type="checkbox"/> Kg <input type="checkbox"/> L	III	04
4)					<input type="checkbox"/> Kg		



Environment  
Canada

Environnement  
Canada

Patricia Curl  
Bristol Environmental and Engineering  
2000 W. International Airport Rd #C-1  
Anchorage, Alaska  
United States of America  
99502-1116

12 July 2005 / 12 juillet 2005

### TRANSIT PERMIT FOR HAZARDOUS WASTE

Issued Under Paragraph 185(1)(b)(ii) of the *Canadian Environmental Protection Act, 1999*

### PERMIS DE TRANSIT POUR DÉCHETS DANGEREUX

Délivré en vertu du paragraphe 185(1)(b)(ii) de la *Loi canadienne sur la protection de l'environnement (1999)*

**File Number / No. de dossier : 05/00024/TRS**

This TRANSIT PERMIT is issued to Bristol Environmental and Engineering in accordance with s.185(1)(b)(ii) of the *Canadian Environmental Protection Act, 1999* (CEPA 1999) for the transit of the hazardous wastes described below from the United States of America through Canada on route to the United States of America.

Le présent PERMIS DE TRANSIT est délivré à Bristol Environmental and Engineering en vertu du paragraphe 185(1)(b)(ii) de la *Loi canadienne sur la protection de l'environnement (1999)* (LCPE (1999)) pour le transit des déchets dangereux décrits ci-après des Etats-Unis d'Amérique par le Canada à destination des Etats-Unis d'Amérique.

This TRANSIT PERMIT is valid for the period of 12 July 2005 to 11 July 2006.

Ce PERMIS DE TRANSIT est valide du 12 juillet 2005 au 11 juillet 2006.

### Waste Description for 3 Hazardous Wastes / Description de déchet pour 3 déchets dangereux

- 1) Q16//D05//P10//C32//H0//A935  
CEPA ID # / No. d'identité LCPE: CR0101  
PIN # / No. NIP: UN2315 Packing Group / Groupe d'emballage: III  
Class / Classe: 9 Notice # / No. de préavis: T10734 Qty / Qté: 240,000 kg
- 2) Q16//D13//S21//C18//H11//A935  
CEPA ID # / No. d'identité LCPE: CR1009  
PIN # / No. NIP: UN3077 Packing Group / Groupe d'emballage: II  
Class / Classe: 9 Notice # / No. de préavis: T10734 Qty / Qté: 400 kg



- 3) Q16//D05//S40//C25//H0//A935  
CEPA ID # / No. d'identité LCPE: CR0102  
PIN # / No. NIP: UN2590 Packing Group / Groupe d'emballage: III  
Class / Classe: 9 Notice # / No. de préavis: T10734 Qty / Qté: 9,000 kg

**From / De:**

U.S. Army Usage Northeast Cape  
PO Box 35066  
Ft Wainwright, Alaska  
United States of America  
99703-0066

**To / A:**

Chemical Waste Management  
17629 Cedar Springs Lane  
Arlington, Oregon  
United States of America  
97812-979

**1 Carrier / 1 Transporteur**

Northland Services Inc.

**2 Border Crossings / 2 Bureaux de douane**

EN:Dixon Entrance (Marine Movements)

EX:Exit from the Strait of Juan de Fuca  
(Marine Movements)

**Please take note that it is your responsibility to ensure that the requirements set out in the *Export and Import of Hazardous Wastes Regulations* (EIHWR) made pursuant to CEPA 1999 are complied with at the time of movement of the hazardous wastes described in this permit while it is transiting through Canada. This includes, but is not limited to, ensuring that the authorized carrier of the hazardous wastes described in this permit are insured in accordance with section 9 of the EIHWR. In the event that any of these insurance policies should expire or is cancelled during the period for which this TRANSIT PERMIT is issued, you must submit immediately to this office a copy of the insurance renewal or of the new policy or certificate of insurance.**

**Veillez noter qu'il vous incombe de vous assurer que vous respectez, lors du mouvement des déchets dangereux décrits dans ce permis transitant le Canada, les exigences établies dans le *Règlement sur l'exportation et l'importation des déchets dangereux* (REIDD) pris en vertu de la LCPE (1999). Ces exigences comprennent notamment l'obligation de vous assurer que le transporteur des déchets dangereux autorisé décrits dans ce permis, détiennent une police d'assurance conformément à l'article 9 du REIDD. Dans l'éventualité où ces polices d'assurance devaient arriver à échéance ou être annulées pendant la période pour laquelle ce PERMIS DE TRANSIT est valide, vous devez nous fournir immédiatement une copie du renouvellement de la police d'assurance ou du document certifiant qu'une nouvelle assurance a été contractée.**

It is your responsibility to ensure that you are in compliance with all other applicable laws.

Vous devez vous assurer de respecter toutes les autres lois applicables.

The transit of hazardous wastes, in violation of CEPA 1999 or the EIHWR, may be prosecuted as offences under section 272 or 273 of CEPA 1999.

Tout transit des déchet dangereux qui contrevient à la LCPE (1999) ou au REIDD peut entraîner une poursuite pénale en vertu de l'article 272 ou 273 de la LCPE (1999).

Signed for and on behalf of the Minister of the Environment /  
Signé au nom du ministre de l'Environnement



France Jacovella, ing. P.Eng.

Director / Directrice

Transboundary Movement Branch / Direction des mouvements transfrontaliers  
Pollution Prevention Directorate / Direction générale de la prévention de la pollution  
Environment Canada / Environnement Canada

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. A K 0 0 0 0 2 2 8 3 9 5		Manifest Document No. 0 4 0 0 7		2. Page 1 of 1	
3. Generator's Name and Mailing Address US ARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone (907) 353-7850							
5. Transporter 1 Company Name EMERALD SERVICES, INC.		6. US EPA ID Number W A D 0 5 8 3 6 4 6 4 7		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (206) 832-3000			
9. Designated Facility Name and Site Address EMERALD ALASKA, INC. 2020 VIKING DRIVE ANCHORAGE, AK 99501		10. US EPA ID Number A K R 0 0 0 0 0 4 1 8 4		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (907) 258-1558			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
a. MATERIAL NOT REGULATED BY D.O.T.				No. 1 Type DM		55	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above a) AK02907-B USED OIL				H. Handling Codes for Wastes Listed Above a) H050			
15. Special Handling Instructions and Additional Information I hereby certify to the best of my knowledge that this oil is refined from crude oil, used, and as a result of such use is contaminated by physical or chemical impurities that resulted only from processes that can be attributed to used oil operations. In addition, I hereby certify that this oil has not been mixed with any hazardous waste regulated under 40CFRPart261 or 40CFRPart761 or 40CFR279.							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name				Signature		Date	
M. Sells				[Signature]		1/12/06	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
[Signature]				Roger Richardson		1/12/06	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date	
Roger Richardson				[Signature]		1/12/06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



*Emerald Alaska Inc*  
800 East Ship Creek  
Anchorage, AK 99501  
(907) 258-1558 fax (907) 258-3049

## Certificate of Disposal / Recycle

Generator: US ARMY USACE NORTHEAST CAPE  
PO BOX 35066  
FT. WAINWRIGHT, AK 99703-0066

BRISTOL ENVIRONMENTAL & ENGINEERING SERVICES  
111 W. 16<sup>th</sup> AVENUE, SUITE 301  
ANCHORAGE, AK 99501

Manifest: 04007

EPA ID No.: AK0000228395

Date of Disposal / Recycle: 1/12/06

Line Item	Description	Profile Number	Quantity
1A	USED OIL (Used oil for fuel blending)	AK02907-B	50 Gal

*Roxanne Pedersen*

Roxanne Pedersen, Client Services Manager



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395      xK</b>		Manifest Document No. <b>NE001</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				c/o Bristol Environmental			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				01 CM		31,740 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Conex PNWS 8028 Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USACE / OAR ON BEHALF OF USACE / POF</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date Month <b>8</b> Day <b>01</b> Year <b>05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>James R. Cunningham</i>				Signature <i>[Signature]</i>		Month <b>8</b> Day <b>15</b> Year <b>05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>Chadwick W. Smith</i>				Signature <i>[Signature]</i>		Month <b>8</b> Day <b>15</b> Year <b>05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Angela Timmerman</i>				Signature <i>Angela Timmerman</i>		Date Month <b>9</b> Day <b>13</b> Year <b>05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE001</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>			25. US EPA ID Number <b>WAH 000 016 683</b>		N. State Transporter's ID		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>			27. US EPA ID Number <b>NED 001 792 910</b>		O. Transporter's Phone <b>206-903-8300</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>L. J. SMITH</b>					Signature <i>[Signature]</i>		Month Day Year <b>9 15 05</b>
34. Transporter <u>4</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>ANATOLIV</b>					Signature <i>[Signature]</i>		Month Day Year <b>10 12 05</b>
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No: <b>AK0 000 228 395</b>	Manifest Document No: <b>NE001</b>	22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE</b> <b>PO BOX 35066</b> <b>FT. WAINWRIGHT, AK 99703-0066</b>				L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>				25. US EPA ID Number <b>ORD 987 173 457</b>		
26. Transporter _____ Company Name				27. US EPA ID Number		
				N. State Transporter's ID		
				O. Transporter's Phone <b>541-454-2030</b>		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	R. Waste No.
a. <input type="checkbox"/> HM						
b. <input type="checkbox"/>						
c. <input type="checkbox"/>						
d. <input type="checkbox"/>						
e. <input type="checkbox"/>						
f. <input type="checkbox"/>						
g. <input type="checkbox"/>						
h. <input type="checkbox"/>						
i. <input type="checkbox"/>						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name <b>Carmela Hughes</b>				Signature <b>Carmela Hughes</b>		Month Day Year <b>01/23/05</b>
34. Transporter _____ Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name				Signature		Month Day Year
35. Discrepancy Indication Space						





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE001
Profile #:	2321VC
Pounds Disposed:	30460 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

058913

TICKET: 292470  
DATE: 09/15/2005  
TIME: 10:13 - 10:13  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593058 TRAILER: PNWS8028  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8028  
COMMENT:

P.O.: 593058  
GROSS: 74000 LBS  
TARE: 43540 LBS  
NET: 30460 LBS  
MANIFEST: NE001

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPF	15.23	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

No 593058

DATE/TIME: 9-13-05  
LOAD DATE:  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2321VC  
TRUCK NUMBER: 350  
TRAILER/CONTAINER NUMBER: PNWS 8028  
SEAL NUMBER:  
CUSTOMER INVOICE NO.: NE001

GROSS WEIGHT: 74000  
TARE WEIGHT-TRACTOR:  
TARE WGT-TRAILER/CONTAINER: 43540  
NET WEIGHT: 30460

GATEHOUSE: DJF  
DRIVER: Jim  
TRAIN ID: 11082111 ORIGIN: OX001  
WASTE TYPE: Concrete w/ PEB's  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE002</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>				<b>c/o Bristol Environmental</b>			
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>							
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No.	Type		
a. <b>Material not regulated by DOT</b>				<b>01</b>	<b>CM</b>	<b>31,820</b>	<b>P</b>
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
<b>Conex # PNWS 8077</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USACE / OAR ON BEHALF OF USACE / RCD</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLER</b>				Signature <b>S. A. MILLER</b>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <b>[Signature]</b>				Signature <b>[Signature]</b>		Date <b>8/01/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <b>Angela Timmerman</b>		Date <b>9/13/05</b>	

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE002</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter 3 Company Name <b>West Coast Trucking</b>					25. US EPA ID Number <b>WAH 000 016 683</b>		
26. Transporter 4 Company Name <b>Union Pacific Railroad Co.</b>					27. US EPA ID Number <b>NED 001 792 910</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers No.	30. Total Quantity	31. Unit Wt/Vol
					Type		R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 3 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Jeffrey Waskiewicz</i>					Signature <i>[Signature]</i>		Month Day Year <i>9/9/05</i>
34. Transporter 4 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year <i>11/15</i>
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE002		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		
26. Transporter Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/13/05
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							







**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE002
Profile #:	2321VC
Pounds Disposed:	31820 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

058914

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282471  
DATE: 09/15/2005  
TIME: 10:14 - 10:14  
LOAD DATE: 09/12/2005  
TIF DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593059  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8077  
CONTAINER: 8077

F.O.: 593059  
GROSS: 75960 LBS  
TARE: 44140 LBS  
NET: 31820 LBS  
MANIFEST: NE002

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPP	15.91	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593059

10:11AM 09/13/2005

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID:

WASTE TYPE:

DISPOSAL:

REMARKS:

HAULER:

BRISTOL / USACE  
2321VC  
96-05  
PNWS 8077  
NE002

75960 LB

44140

31820

CAN

MM

ORIGIN: 08951

WASTE TYPE: concrete w/PCBs

DISPOSAL: CM DC BU GRID SEGREGATE

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE003</b>	2. Page 1 of 3
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>					
4. Generator's Phone ( 907 ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>	
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID	
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>	
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID	
				D. Transporter 2 Phone <b>800-426-3113</b>	
				E. State Facility's ID	
				F. Facility's Phone <b>541-454-2030</b>	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit WL/Vol.
a. <b>Material not regulated by DOT</b>			No. <b>01</b>	Type <b>CM</b>	<b>30,440</b>
b. <i>[Handwritten mark]</i>					
c. <i>[Handwritten mark]</i>					
d. <i>[Handwritten mark]</i>					
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex # PNWS 8005</b>					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <b>STEVE A. "SAM" MILLZ</b>			Signature <i>[Signature: S.A. Mills]</i>		Date Month <b>8</b> Day <b>10</b> Year <b>05</b>
17. Transporter 1 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name <i>[Signature: James R. Cunningham]</i>			Signature <i>[Signature]</i>		Month <b>8</b> Day <b>12</b> Year <b>05</b>
18. Transporter 2 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name <i>[Signature: Charles Faircloth]</i>			Signature <i>[Signature]</i>		Month <b>8</b> Day <b>13</b> Year <b>05</b>
19. Discrepancy Indication Space					
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.					
Printed/Typed Name <b>Angela Timmerman</b>			Signature <i>[Signature: Angela Timmerman]</i>		Date Month <b>9</b> Day <b>15</b> Year <b>05</b>

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE003</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter 3 Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAH 000 016 683</b>					N. State Transporter's ID		
26. Transporter 4 Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>NED 001 792 910</b>					P. State Transporter's ID		
					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE003		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill					M. State Generator's ID		
25. US EPA ID Number ORD 987 173 457					N. State Transporter's ID		
26. Transporter <u>5</u> Company Name					O. Transporter's Phone 541-454-2030		
27. US EPA ID Number					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
TRANSPORTER	33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date	
	Printed/Typed Name Cynthia Cross				Signature Cynthia Cross		Month Day Year 9/12/05
	34. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date	
	Printed/Typed Name Donna Hansford				Signature Donna Hansford		Month Day Year 09/15/05
FACILITY	35. Discrepancy Indication Space						





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE003
Profile #:	2321VC
Pounds Disposed:	30800 lbs.
Waste Type:	Concrete With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

059005

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282917

DATE: 09/16/2005

TIME: 13:40 - 13:50

LOAD DATE: 09/14/2005

TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL

PROFILE: 2321VC / BRISTOL ENV / US A

TRUCK: 593152

TRAILER: PNWS8005

ORIGIN: SAV / SAVOOGNA

CONTAINER: 8005

COMMENT:

P.O.: 593152

GROSS: 74120 LBS

TARE: 43320 LBS

NET: 30800 LBS

MANIFEST: NE003

WASTE	NET/TONS	UNIT
SPWCM / SPECIAL WASTE COMINGLE (SPP	15.40	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U
TRANSUSPW / TRANS BY UNIT SPW (BT	1.00	U

Driver:

IN: ANGELA TIMMERMAN

E: ORARLI01PC

Weighmaster:

OUT: ANGELA TIMMERMAN

E: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

SEP 15 PM 12:40

No 593152

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID: 4566213 ORIGIN: 0A251

WASTE TYPE: Concrete with PCBs

DISPOSAL: (CM) DC BU GRID SEGREGATE

REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE004</b>		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( 907 ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>31,190 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 *Profile # 2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
<b>Conex# PNWS 8005</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILES</b>				Signature <b>S. A. Miles</b>		Date Month <b>8</b> Day <b>01</b> Year <b>05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <b>T. C.</b>		Date Month <b>8</b> Day <b>02</b> Year <b>05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <b>Barbara Fairclough</b>		Date Month <b>8</b> Day <b>13</b> Year <b>05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Signature <b>Angela Timmerman</b>		Date Month <b>9</b> Day <b>15</b> Year <b>05</b>	
Printed/Typed Name <b>Angela Timmerman</b>							

NON-HAZARDOUS WASTE





EPA Form 8700-22A (Rev. 9-88) Previous editions are obsolete

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. HE004		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID
26. Transporter Company Name					27. US EPA ID Number		O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 5 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/04
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE004
Profile #:	2321VC
Pounds Disposed:	32760 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

058987

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 262785  
DATE: 09/16/2005  
TIME: 09:35 - 09:35  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593153  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8006  
CONTAINER: 8006

P.O.: 593153  
GROSS: 74920 LBS  
TARE: 42160 LBS  
NET: 32760 LBS  
MANIFEST: NE004

WASTE	NET/TONS	UNIT
TRANSUSEPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPP	16.38	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver:

IN: ANGELA TIMMERMAN

B: ORARLI01PC

Weighmaster:

OUT: ANGELA TIMMERMAN

B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593153

07:30AM 09/15/2005

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER: PNWS

SEAL NUMBER:

CUSTOMER INVOICE NO:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT. TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID: USEG113 ORIGIN: 08951

WASTE TYPE: Concrete with PCBs

DISPOSAL: CM DC BU GRID SEGREGATE

REMARKS:

HAULER:



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE005</b>	2. Page 1 of 3
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>					
4. Generator's Phone ( 907) <b>353-7850</b>				<b>c/o Bristol Environmental</b>	
5. Transporter 1 Company Name <b>NORTLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID	
7. Transporter 2 Company Name <b>NORTLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>	
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID	
				D. Transporter 2 Phone <b>800-426-3113</b>	
				E. State Facility's ID	
				F. Facility's Phone <b>541-454-2030</b>	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
a. <b>Material not regulated by DOT</b>			No. <b>01</b> Type <b>CM</b>	<b>31,960</b>	<b>P</b>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile # 2321VC</b>			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. <span style="float: right;">Conex# PNWS8027</span></b>					
<b>16. GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <b>STEVE A. "SIM" MILLS</b>			Signature <i>S.A. Mills</i>		Date <b>8/01/05</b>
17. Transporter 1 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name <b>Steve Glasma</b>		Signature <i>Steve Glasma</i>		Month Day Year <b>8/14/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name <i>Marken Taincloth for ID</i>		Signature <i>Marken Taincloth for ID</i>		Month Day Year <b>8/15/05</b>	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <b>Angela Timmerman</b>			Signature <i>Angela Timmerman</i>		Date <b>9/15/05</b>

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE005</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter 3 Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAH 000 016 683</b>					N. State Transporter's ID		
26. Transporter 4 Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>RED 001 792 910</b>					P. State Transporter's ID		
					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE005</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARAY USACE NORTHEAST CAPE</b> <b>PO BOX 35066</b> <b>FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>					25. US EPA ID Number <b>ORD 987 173 457</b>		
26. Transporter _____ Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a. <input checked="" type="checkbox"/> HM							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>Carmela Hughes</b>					Signature <i>Carmela Hughes</i>		Month Day Year <b>09/15/05</b>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							







**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE005
Profile #:	2321VC
Pounds Disposed:	31700 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green®. Think Waste Management.*



058988

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282786  
DATE: 09/16/2005  
TIME: 09:36 - 09:36  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV / US A  
TRUCK: 593154 TRAILER: PNWS8027  
ORIGIN: SAV / SAVCOGNA CONTAINER: 8027  
COMMENT:

P.O.: 593154  
GROSS: 74900 LBS  
TARE: 43200 LBS  
NET: 31700 LBS  
MANIFEST: NE005

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPW	15.85	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

Nº 593154

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2321VC  
TRUCK NUMBER: \_\_\_\_\_  
TRAILER/CONTAINER NUMBER: PNWS 8027  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE005

GROSS WEIGHT: 74900  
TARE WEIGHT-TRACTOR: 43200  
TARE WGT.-TRAILER/CONTAINER: \_\_\_\_\_  
NET WEIGHT: 31700

GATEHOUSE: \_\_\_\_\_  
DRIVER: [Signature]  
TRAIN ID: USEGL13 ORIGIN: 0X951  
WASTE TYPE: Concrete with PCB's  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE006</b>	2. Page 1 of 3																								
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>				<b>c/o Bristol Environmental</b>																									
4. Generator's Phone ( 907 ) <b>353-7850</b>																													
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID																									
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>																									
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID																									
				D. Transporter 2 Phone <b>800-426-3113</b>																									
				E. State Facility's ID																									
11. WASTE DESCRIPTION				F. Facility's Phone <b>541-454-2030</b>																									
12. Containers <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Type</th> <th>13. Total Quantity</th> <th>14. Unit Wt./Vol.</th> </tr> </thead> <tbody> <tr> <td>a. <b>Material not regulated by DOT</b></td> <td><b>01</b></td> <td><b>CH</b></td> <td><b>32,880</b></td> <td><b>P</b></td> </tr> <tr> <td>b.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		No.	Type	13. Total Quantity	14. Unit Wt./Vol.	a. <b>Material not regulated by DOT</b>	<b>01</b>	<b>CH</b>	<b>32,880</b>	<b>P</b>	b.					c.					d.								
		No.	Type	13. Total Quantity	14. Unit Wt./Vol.																								
		a. <b>Material not regulated by DOT</b>	<b>01</b>	<b>CH</b>	<b>32,880</b>	<b>P</b>																							
		b.																											
		c.																											
d.																													
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above																									
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BRESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.</b> <div style="text-align: right;"><b>Conex# PNWS 8133</b></div>																													
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. <div style="text-align: center; font-size: 1.2em;"> <b>USACE / QAR ON BEHALF OF USACE / FOT</b> </div>																													
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>		Signature <i>S.A. Mills</i>		Date <b>8/10/05</b>																									
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Steve Glesner</i>		Date <b>8/10/05</b>																									
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature <i>Patricia Curl</i>		Date <b>8/11/05</b>																									
19. Discrepancy Indication Space																													
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.																													
Printed/Typed Name <b>Angela Timmerman</b>		Signature <i>Angela Timmerman</i>		Date <b>9/15/05</b>																									

NON-HAZARDOUS WASTE

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>HE006</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAH 000 016 683</b>					N. State Transporter's ID		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>NED 001 792 910</b>					P. State Transporter's ID		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		30. Total Quantity
					No.	Type	31. Unit Wt/Vol
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>Yakovlev</b>					Signature <i>[Signature]</i>		Month Day Year <b>09/13/05</b>
34. Transporter <u>4</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>NE DTH</b>					Signature <i>[Signature]</i>		Month Day Year <b>1/15/05</b>
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE006		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		M. State Generator's ID
26. Transporter _____ Company Name					27. US EPA ID Number		N. State Transporter's ID
							O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
HM					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 01/15/15
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE006
Profile #:	2321VC
Pounds Disposed:	32700 lbs.
Waste Type:	Concrete With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

059008

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282926  
DATE: 09/16/2005  
TIME: 13:53 - 13:53  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593157 TRAILER: PNWS8133  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8133  
COMMENT:

P.O.: 593157  
GROSS: 76140 LBS  
TARE: 43440 LBS  
NET: 32700 LBS  
MANIFEST: NE006

WASTE	NET/TONS	UNIT
SPWCM / SPECIAL WASTE COMINGLE (SPP	16.35	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U

Driver: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593157

11:01AM 09/15/2005

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID: 4566213 ORIGIN: 08951

WASTE TYPE: Concrete with rebar

DISPOSAL: CMD DC BU GRID SEGREGATE

REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE007</b>		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( 907 ) <b>353-7850</b>				c/o Bristol Environmental			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97912</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
						WT./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>31,730</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PNWS 8113</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USACE / QAR ON BEHALF OF USACE / RIF</b>							
Printed/Typed Name <b>STEVE A. "SM" MILLS</b>				Signature <i>S. A. Mills</i>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>Steve Glasman</i>				Signature <i>Steve Glasman</i>		Date <b>8/4/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>Dan Faircloth</i>				Signature <i>Dan Faircloth</i>		Date <b>8/15/05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date <b>9/15/05</b>	

NON-HAZARDOUS WASTE





TRANSPORTER FACILITY



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE007</b>		22. Page <b>3 of 3</b>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>		24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>		25. US EPA ID Number <b>ORD 987 173 457</b>			
GENERATOR'S FACILITY						L. State Manifest Document Number		M. State Generator's ID	
						N. State Transporter's ID		O. Transporter's Phone <b>541-454-2030</b>	
TRANSPORTER'S FACILITY						P. State Transporter's ID		Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above									
T. Handling Codes for Wastes Listed Above									
32. Special Handling Instructions and Additional Information									
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials		Printed/Typed Name <b>Carmela Hughes</b>		Signature <i>Carmela Hughes</i>		Date <b>09/15/05</b>			
34. Transporter _____ Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date Month Day Year			
35. Discrepancy Indication Space									





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE007
Profile #:	2321VC
Pounds Disposed:	31560 lbs.
Waste Type:	Concrete With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Julie Valdez*

Julie Valdez

Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

059007

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 262924

DATE: 09/16/2005

TIME: 13:52 - 13:52

LOAD DATE: 09/14/2005

TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL

PROFILE: 2321VC / BRISTOL ENV/ US A

TRUCK: 593156

TRAILER: PNWS8113

ORIGIN: SAV / SAVOOGNA

CONTAINER: 8113

COMMENT:

P.O.: 593156

GROSS: 73740 LBS

TARE: 42180 LBS

NET: 31560 LBS

MANIFEST: NE007

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPP	15.78	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver:

IN: ANGELA TIMMERMAN

B: ORARLI01PC

Weighmaster:

OUT: ANGELA TIMMERMAN

B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

02:00PM 09/15/2005

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID: USEGL 13 ORIGIN: 0X951

WASTE TYPE: Concrete with PCB's

DISPOSAL: CM DC BU GRID SEGREGATE

REMARKS:

HAULER:

NO 593156

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE008</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
				C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>X Material not regulated by DOT</b>				<b>01 CM</b>		<b>30,190 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above:			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. <div style="text-align: right;">Conex# PNWS 8141</div></b>							
<b>16. GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <b>S. A. M. Q. B.</b>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name		Signature		Month		Day Year	
				<b>8/15/05</b>			
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name		Signature		Month		Day Year	
				<b>8/15/05</b>			
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <b>Angela Timmerman</b>		Date <b>9/15/05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 227 395	Manifest Document No. NE008		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 3 Company Name West Coast Trucking					25. US EPA ID Number WAH 000 016 683		
26. Transporter 4 Company Name Union Pacific Railroad Co.					27. US EPA ID Number NED 001 792 910		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 3 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name LIT SATLAGE					Signature <i>[Signature]</i>		Month Day Year 9/1/05
34. Transporter 3 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name ANA T D L Y					Signature <i>[Signature]</i>		Month Day Year 09/1/05
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE008		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		M. State Generator's ID
26. Transporter Company Name					27. US EPA ID Number		N. State Transporter's ID
							O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/05
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE008
Profile #:	2321VC
Pounds Disposed:	31060 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

**Nº 593158**

DATE/TIME: 03:06AM 09/15/2005  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2321VC  
TRUCK NUMBER: 96-05  
TRAILER/CONTAINER NUMBER: PNWS 8141  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE008

GROSS WEIGHT: 73040 lb  
TARE WEIGHT-TRACTOR: 41980  
TARE WGT.-TRAILER/CONTAINER: 31060  
NET WEIGHT: \_\_\_\_\_

GATEHOUSE: CA1  
DRIVER: Jim  
TRAIN ID: US EGL 13 ORIGIN: 8X951  
WASTE TYPE: Concrete with PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE

REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN E: ORARL101PC  
Weighmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN E: ORARL101PC

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV / US A  
TRUCK: 593158  
ORIGIN: SAV / SAVOCONA  
COMMENT: \_\_\_\_\_  
TRAILER: PNWS8141  
CONTAINER: 8141  
MANIFEST: NE008  
P.O.: 593158  
GROSS: 73040 LBS  
TARE: 41980 LBS  
NET: 31060 LBS

WASTE	NET/TONS	UNIT
TRANSUSPM / TRANS BY UNIT SPW	1.00	U
SPWCM / SPECIAL WASTE CONTINGLE (SEP	15.53	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030  
TICKET: 282791  
DATE: 09/16/2005  
TIME: 09:36 - 09:38  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

058989



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE009</b>		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone (907) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>30,220 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. Conex# PHWS 8094</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. MILLS</i>		Date Month Day Year <b>8 01 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Steve Glasman</i>		Date Month Day Year <b>8 14 05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>Charles Hain</i>		Date Month Day Year <b>8 13 05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date Month Day Year <b>9 15 05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE009</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>					M. State Generator's ID		
25. US EPA ID Number <b>ORD 987 173 457</b>					N. State Transporter's ID		
26. Transporter Company Name					O. Transporter's Phone <b>541-454-2030</b>		
27. US EPA ID Number					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Cynthia Cross</i>					Signature <i>Cynthia Cross</i>		Month Day Year <i>7/12/0</i>
34. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>09/15/05</i>
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE009	22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number		
				M. State Generator's ID		
24. Transporter 3 Company Name West Coast Trucking		25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID		
26. Transporter 4 Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910		O. Transporter's Phone 206-903-8300		
				P. State Transporter's ID		
				Q. Transporter's Phone 402-271-4400		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
34. Transporter <u>4</u> Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name ANATOLIN		Signature		Month Day Year 05/12/00		
35. Discrepancy Indication Space						







**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE009
Profile #:	2321VC
Pounds Disposed:	29720 lbs.
Waste Type:	Concrete With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

**No 593155**

DATE/TIME: 10:32AM 09/15/2005  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol/usace  
PROFILE NUMBER: 2321VC  
TRUCK NUMBER: 96-05  
TRAILER/CONTAINER NUMBER: CWMU 8094  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE009

GROSS WEIGHT: 73280 lb  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT.-TRAILER/CONTAINER: 43560  
NET WEIGHT: 29720

GATEHOUSE: Cam  
DRIVER: Jim  
TRAIN ID: USEGL 13 ORIGIN: 8X951  
WASTE TYPE: Concrete with PCBs  
DISPOSAL: (CM) DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN

B: ORARL101PC

Weightmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN

E: ORARL101PC

WASTE: \_\_\_\_\_  
TRANSPW / TRANS BY UNIT SPW (ST)  
SPWCM / SPECIAL WASTE COMINGLE (SPP)  
LOC-U-SPW / LOCAL TRANS BY UNIT SPW

NET/TONS  
1.00  
14.86  
1.00  
UNIT  
U  
T  
U

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV / US A  
TRUCK: 593155  
ORIGIN: SAV / SAVOOGNA  
COMMENT: \_\_\_\_\_  
TRAILER: PMS8094  
CONTAINER: 8094  
MANIFEST: NE009

P.O.: 593155  
GROSS: 73280 LBS  
TARE: 43560 LBS  
NET: 29720 LBS

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030

TICKET: 282920  
DATE: 09/16/2005  
TIME: 13:51 - 13:51  
LOAD DATE: 09/16/2005  
TIP DATE: 09/15/2005

059006

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE010</b>		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( 907 ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				01 CM		27,940 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls, PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEBSC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
<b>Conex# PNWS 8084</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <b>S.A. MILLS</b>		Date Month Day Year <b>8 01 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <b>Angela Timmerman</b>		Date Month Day Year <b>9 13 05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NED10</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					25. US EPA ID Number <b>WAH 000 016 683</b>		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					27. US EPA ID Number <b>NED 001 792 910</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers No.	30. Total Quantity	31. Unit Wt/Vol
					Type		R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year <i>11/15</i>
34. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Anatoly</i>					Signature <i>[Signature]</i>		Month Day Year <i>05/15/03</i>
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE010</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter 5 Company Name <b>Columbia Ridge Landfill</b>					25. US EPA ID Number <b>ORD 987 173 457</b>		
26. Transporter Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 5 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>09/12/05</i>
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							







**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE010
Profile #:	2321VC
Pounds Disposed:	27040 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

058915

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282472  
DATE: 09/15/2005  
TIME: 10:15 - 10:15  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593060 TRAILER: PNWS8084  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8084  
COMMENT:

P.O.: 593060  
GROSS: 70700 LBS  
TARE: 43660 LBS  
NET: 27040 LBS  
MANIFEST: NE010

WASTE	NET/TONS	UNIT
TRANSU-SPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPF	13.52	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

No 593060

DATE/TIME: 11:56AM 09/13/2005

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID:

ORIGIN:

WASTE TYPE:

DISPOSAL:

REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE011</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>16,140 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Concrete rubble containing polychlorinated biphenyls. PCB out of service date 7/22/05 Profile #2321VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502-1117. In case of emergency, contact CHEMTREC at 800-424-9300. <span style="float: right;">Conex # PNWS 8093</span></b>							
<b>16. GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date Month <b>8</b> Day <b>01</b> Year <b>05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month <b>8</b> Day <b>02</b> Year <b>05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month <b>8</b> Day <b>02</b> Year <b>05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date Month <b>9</b> Day <b>13</b> Year <b>05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE011</b>	22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>				L. State Manifest Document Number		
24. Transporter <sup>3</sup> Company Name <b>West Coast Trucking</b>				M. State Generator's ID		
25. US EPA ID Number <b>WAB 000 016 683</b>				N. State Transporter's ID		
26. Transporter <sup>4</sup> Company Name <b>Union Pacific Railroad Co.</b>				O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>NED 001 792 910</b>				P. State Transporter's ID		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				Q. Transporter's Phone <b>402-271-4400</b>		
a. <input type="checkbox"/> HM		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
b.		No. Type				
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter <sup>3</sup> Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>Jeffrey Mackiewicz</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>9/9/05</i>
34. Transporter <sup>4</sup> Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>SAITH</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>9/1/05</i>
35. Discrepancy Indication Space						





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE011		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		
26. Transporter Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		30. Total Quantity
					No.	Type	31. Unit Wt/Vol
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 5 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/13/05
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE011
Profile #:	2321VC
Pounds Disposed:	15760 lbs.
Waste Type:	Concrete w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

058916

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282473  
DATE: 09/15/2005  
TIME: 10:15 - 10:15  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2321VC / BRISTOL ENV/ US A  
TRUCK: 593061  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8093  
CONTAINER: 8093

P.O.: 593061  
GROSS: 59240 LBS  
TARE: 43480 LBS  
NET: 15760 LBS  
MANIFEST: NE011

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPP	7.88	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver:

IN: ANGELA TIMMERMAN

B: ORARLI01PC

Weighmaster:

OUT: ANGELA TIMMERMAN

B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030 13 PM 12:45



No 593061

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID: 11 ORIGIN: 09/05/01

WASTE TYPE: concrete w/ PCB's

DISPOSAL: CM DC BU GRID SEGREGATE

REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE012</b>		2. Page 1 of <del>XX</del> <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
				C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR 9 812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		E. State Facility's ID			
				F. Facility Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit WL/Vol.	
a. <input checked="" type="checkbox"/> <b>Material Not Regulated by DOT</b>				01 CM		33,030 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile # 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXXXXXXXXXXXXX BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. <del>XXXXXX</del> PNWS 8127 Baker box</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. <b>USACoE / QAR ON BEHALF OF LEADGE / RDT</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>SA Mills</i>		Date Month Day Year <b>8 / 01 / 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>James S. Cunningham</i>				Signature <i>[Signature]</i>		Month Day Year <b>8 / 12 / 05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				Date			
Printed/Typed Name <i>Angela Timmerman</i>				Signature <i>Angela Timmerman</i>		Month Day Year <b>9 / 13 / 05</b>	

NON-HAZARDOUS WASTE





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No. <b>XXXX AKO 000 228 395</b>	Manifest Document No. <b>NE012</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE</b> <b>PO BOX 35066</b> <b>FT WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAH 000 016 683</b>					N. State Transporter's ID <b>206-903-8300</b>		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone		
27. US EPA ID Number <b>NED 001 792 910</b>					P. State Transporter's ID		
					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
34. Transporter <u>4</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>Anatoly</b>					Signature		Month Day Year <b>12/15/05</b>
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE012</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>					M. State Generator's ID		
25. US EPA ID Number <b>ORD 987 173 457</b>					N. State Transporter's ID		
26. Transporter _____ Company Name					O. Transporter's Phone <b>541-454-2030</b>		
27. US EPA ID Number					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
<b>FOR TRANSPORTATION ONLY</b>							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>09/13/05</i>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE012
Profile #:	2320VC
Pounds Disposed:	34140 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green®. Think Waste Management.*

058911

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282468  
DATE: 09/15/2005  
TIME: 10:12 - 10:12  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593056 TRAILER: PNWS8127  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8127  
COMMENT:

P.O.: 593056  
GROSS: 76160 LBS  
TARE: 42020 LBS  
NET: 34140 LBS  
MANIFEST: NE012

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
PCSCP / PCS COMINGLE -(PCP)	17.07	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN E: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN E: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593056

09:07AM 09/13/2005

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT.-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID:

WASTE TYPE:

DISPOSAL:

REMARKS:

HAULER:

Bristol / USACE  
2320VC  
96-05  
PNWS 8127  
NE012

76160 lb  
42020  
34140

Can  
JAW  
TRAIN ID: Used 11 ORIGIN: BOX 951  
WASTE TYPE: Solid w/ PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE013</b>		2. Page 1 of <b>2 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>				<b>c/o Bristol Environmental</b>			
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>							
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>33,800 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXXXXXXXXXXXX BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
<b>XXXXXXXX PNWS 8121 Baker box</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date <b>8/12/05</b>	
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		Date <b>8/12/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date <b>8/12/05</b>	
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		Date <b>8/12/05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date <b>9/13/05</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE013</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter 3 Company Name <b>West Coast Trucking</b>					25. US EPA ID Number <b>WAH 000 016 683</b>		
26. Transporter 4 Company Name <b>Union Pacific Railroad Co.</b>					27. US EPA ID Number <b>NED 001 792 910</b>		
					N. State Transporter's ID		
					O. Transporter's Phone <b>206-903-8300</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		30. Total Quantity
					No.	Type	31. Unit Wt/Vol
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Arvin Brown</i>					Signature <i>[Signature]</i>		Month Day Year <i>11 15 11</i>
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year <i>11 15 11</i>
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK 0 000 228 395</b>	Manifest Document No. <b>NE013</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <b>5</b> Company Name <b>Columbia Ridge Landfill</b>					25. US EPA ID Number <b>ORD 987 173 457</b>		
26. Transporter _____ Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		30. Total Quantity
					No.	Type	31. Unit Wt/Vol
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i. <b>FOR TRANSPORTATION ONLY</b>							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <b>5</b> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>Carmela Hughes</b>					Signature <i>Carmela Hughes</i>		Month Day Year <b>09/13/05</b>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE013
Profile #:	2320VC
Pounds Disposed:	34160 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*



WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282467  
DATE: 09/15/2005  
TIME: 10:12 - 10:12  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593055 TRAILER: PNWS8121  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8121  
COMMENT:

P.O.: 593055  
GROSS: 77880 LBS  
TARE: 43720 LBS  
NET: 34160 LBS  
MANIFEST: NE013

WASTE	NET / TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
PCSOP / PCS COMINGLE -(PCF)	17.08	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN E: CHARLIE1PC

Weghmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN B: ORARLQ1PC

**Oregon Waste Systems**  
**A Waste Management Company**

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

No. 593055

9/12/2005

DATE/TIME:

LOAD DATE:

**CUSTOMER:**

**PROFILE NUMBER:**

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER

SEAL NUMBER:

CUSTOMER INVOICE NO.:

**GROSS WEIGHT:**

TARE WEIGHT-TRACTOR:

TARE WGT-TRAILER/CONTAINER:

**NET WEIGHT:**

**GATEHOUSE:**

**DRIVER:**

TRAN: D. (A) 11  
ORIGIN: 00151

WASTE TYPE	50801285

DISPOSAL: CM DC BU GRID BU SECRET

REMARKS:

## HAULER:

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE014</b>		2. Page 1 of <b>2 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>30,340 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXXXXXXXXXXXXX BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.</b>				<b>Baker box #PNWS 8105</b> <b>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</b>			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
<b>USACE/IGAR ON BEHALF OF USACE/ROD</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <b>S.A. MILLS</b>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <b>Angela Timmerman</b>		Date <b>9/13/05</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE014</b>		22. Page <b>2 of 3</b>		Information in the shaded areas is not required by Federal law.					
		23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>		24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>		25. US EPA ID Number <b>WAH 000 016 683</b>				L. State Manifest Document Number			
								M. State Generator's ID					
		26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>		27. US EPA ID Number <b>NED 001 792 910</b>				N. State Transporter's ID					
								O. Transporter's Phone <b>206-903-8300</b>					
								P. State Transporter's ID					
								Q. Transporter's Phone <b>402-271-4400</b>					
GENERATOR		28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total		31. Unit		R. Waste No.	
						No.		Type		Quantity			
		a.											
		b.											
		c.											
		d.											
		e.											
		f.											
		g.											
		h.											
i.													
TRANSPORTER		S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above					
FACILITY		32. Special Handling Instructions and Additional Information											
TRANSPORTER		33. Transporter <u>      </u> Acknowledgement of Receipt of Materials										Date	
		Printed/Typed Name					Signature					Month Day Year	
FACILITY		34. Transporter <u>      </u> Acknowledgement of Receipt of Materials										Date	
		Printed/Typed Name					Signature					Month Day Year	
FACILITY		35. Discrepancy Indication Space											





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKD 000 228 395</b>	Manifest Document No. <b>NE014</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>					M. State Generator's ID		
25. US EPA ID Number <b>ORD 987 173 457</b>					N. State Transporter's ID		
26. Transporter _____ Company Name					O. Transporter's Phone <b>541-454-2030</b>		
27. US EPA ID Number					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a. <input type="checkbox"/> HM							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>09/13/05</i>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE014
Profile #:	2320VC
Pounds Disposed:	30160 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green®. Think Waste Management.*



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

**No 593054**

DATE/TIME: 01:30PM 09/13/2005  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2320VC  
TRUCK NUMBER: 96-05  
TRAILER/CONTAINER NUMBER: PNWS 8105  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE014

GROSS WEIGHT: 73720 lb  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 43560  
NET WEIGHT: 30160

GATEHOUSE: Can  
DRIVER: Jem  
TRAIN ID: USEGE 11 ORIGIN: OX 951  
WASTE TYPE: solid w/ PCB's  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN H: ORAHL01PC

Weightmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN H: ORAHL01PC

WASTE	NET/TONS	UNIT
TRANSUSEPW / TRANS BY UNIT SPW (ST	1.00	U
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U
PCSCP / PCS CONTINGLE -(PCP)	15.08	T

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 593054  
ORIGIN: SAV / SAVCONA  
COMMENT: \_\_\_\_\_  
TRAILER: PNWS8105  
CONTAINER: 8105

F.O.: 593054  
GROSS: 73720 LBS  
TARE: 43560 LBS  
NET: 30160 LBS  
MANIFEST: NE014

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282466  
DATE: 09/15/2005  
TIME: 10:11 - 10:11  
LOAD DATE: 09/12/2005  
WIP DATE: 09/13/2005

058909

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE015</b>		2. Page 1 of <b>2 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit WL/Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>32,600 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl AKOXX TRANSPORT &amp; BEESC, 2000 W. International Airport Rd., 4C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box #PNWS 8064</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLER</b>				Signature <i>[Signature]</i>		Date Month Day Year <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Date Month Day Year <b>8/4/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Date Month Day Year <b>8/15/05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>[Signature]</i>		Date Month Day Year <b>9/15/05</b>	

NON-HAZARDOUS WASTE





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE015</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					25. US EPA ID Number <b>WAH 000 016 683</b>		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					27. US EPA ID Number <b>WED 001 792 910</b>		
N. State Transporter's ID					O. Transporter's Phone <b>206-903-8300</b>		
P. State Transporter's ID					Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
34. Transporter <u>4</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE015</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <b>5</b> Company Name <b>Columbia Ridge Landfill</b>					25. US EPA ID Number <b>ORD 987 173 457</b>		
26. Transporter _____ Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		30. Total Quantity
					No.	Type	31. Unit Wt/Vol
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <b>5</b> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <b>Carmela Hughes</b>					Signature <b>[Signature]</b>		Month Day Year <b>02 13 05</b>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE015
Profile #:	2320VC
Pounds Disposed:	32480 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script that reads 'Julie Valdez'.

Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green®. Think Waste Management.*



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

**No 593148**

DATE/TIME: 10:00AM 09/15/2005  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / usACE  
PROFILE NUMBER: 2320 VC  
TRUCK NUMBER: 96-05  
TRAILER/CONTAINER NUMBER: PNWS 8064  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE015

GROSS WEIGHT: 75920 lb  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT.-TRAILER/CONTAINER: 43440  
NET WEIGHT: 32480

GATEHOUSE: Car  
DRIVER: Jim  
TRAIN ID: USEGL13 ORIGIN: 6X951  
WASTE TYPE: Soil with PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN E: ORARL101FC

Weightmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN E: ORARL101FC

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 593148 TRAILER: PNWS8064  
ORIGIN: SAV / SAVOONA CONTAINER: 8064  
COMMENT: \_\_\_\_\_  
WASTE  
TRANSUSPW / TRANS BY UNIT SPW (ST)  
POSCP / PCS CONINGALE -(PCP)  
LOC-U-SPW / LOCAL TRANS BY UNIT SPW

NET/TONS	UNIT
1.00	U
16.24	T
1.00	U

P.O.: 593148  
GROSS: 75920 LBS  
TARE: 43440 LBS  
NET: 32480 LBS  
MANIFEST: NE015

TICKET: 282837  
DATE: 09/16/2005  
TIME: 12:42 - 12:42  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

058998

# WON-HAZARDOUS WASTE

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 393</b>		Manifest Document No. <b>NE016</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35046 FT WATKINS, AK 99703-0046</b>							
4. Generator's Phone: <b>907 253-7850</b>				c/o Bristol Environmental			
5. Transporter 1 Company Name <b>NORTELAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		7. State Transporter ID <b>800-426-3113</b>			
8. Transporter 2 Company Name <b>NORTELAND SERVICES</b>		9. US EPA ID Number <b>WAD 981 773 005</b>		10. State Transporter ID <b>800-426-3113</b>			
11. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		12. US EPA ID Number <b>ORD 987 173 457</b>		13. State Facility ID <b>541-454-2838</b>			
14. WASTE DESCRIPTION				15. Container		16. Total Weight (lb)	
				No. Type		Total Weight (lb)	
1. Material not regulated by DOT				01 CM		33,100 P	
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<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE016		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name West Coast Trucking					25. US EPA ID Number WAH 000 016 683		
26. Transporter <u>4</u> Company Name Union Pacific Railroad Co.					27. US EPA ID Number NED 001 792 910		
					N. State Transporter's ID		
					O. Transporter's Phone 206-903-8300		
					P. State Transporter's ID		
					Q. Transporter's Phone 402-271-4400		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
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i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Cynthia Cross					Signature Cynthia Cross		Month Day Year 9/12/05
34. Transporter <u>3</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Anatolij					Signature [Signature]		Month Day Year 05/11/05
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE016</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter Company Name <b>Columbia Ridge Landfill</b>			25. US EPA ID Number <b>ORD 987 173 457</b>		N. State Transporter's ID		
26. Transporter Company Name			27. US EPA ID Number		O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
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S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <sup>42</sup> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Cynthia Crago</i>					Signature <i>Cynthia Crago</i>		Month Day Year <i>7/17/05</i>
34. Transporter <sup>5</sup> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>6/9/15/05</i>
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE016
Profile #:	2320VC
Pounds Disposed:	34320 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

058997

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282836  
DATE: 09/16/2005  
TIME: 12:21 - 12:21  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593146  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8041  
CONTAINER: 8041

P.O.: 593146  
GROSS: 75920 LBS  
TARE: 41600 LBS  
NET: 34320 LBS  
MANIFEST: NEO16

WASTE	NET/TONS	UNIT
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U
PCSCP / PCS COMINGLE -(PCP)	17.16	T
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U

Driver:

IN: ANGELA TIMMERMAN

B: ORARLI01PC

Weighmaster:

OUT: ANGELA TIMMERMAN

B: ORARLI01PC

Oregon Waste Systems

A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593146

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / usace  
PROFILE NUMBER: 2320 VC  
TRUCK NUMBER: 650  
TRAILER/CONTAINER NUMBER: PNWS 8041  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NEO16

GROSS WEIGHT: 75920  
TARE WEIGHT-TRACTOR: 41600  
TARE WGT.-TRAILER/CONTAINER: 34320  
NET WEIGHT: \_\_\_\_\_

GATEHOUSE: PR  
DRIVER: Jim  
TRAIN ID: USEGL 13 ORIGIN: OX 251  
WASTE TYPE: Soil with PCBs  
DISPOSAL: (CM) DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE017</b>		2. Page 1 of <b>2</b> 3	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>30,540 p</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHENTREC at 800-424-9300. Baker box # PNWS 8042</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
LIBACOE / QAR ON BEHALF OF LIBACOE / POD				Date			
Printed/Typed Name <b>STEVE A "SAM" MILLER</b>		Signature <i>SA Miller</i>		Month <b>8</b>		Day Year <b>01 05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>Steve Glasman</i>		Signature <i>Steve Glasman</i>		Month <b>8</b>		Day Year <b>14 05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name <i>Steve Glasman</i>		Signature <i>Steve Glasman</i>		Month <b>8</b>		Day Year <b>15 05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date Month Day Year <b>9 15 05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE017</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAH 000 016 683</b>					N. State Transporter's ID		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>NED 001 792 910</b>					P. State Transporter's ID		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers		R. Waste No.
					No.	Type	
a. <input type="checkbox"/> HM							
b. <input type="checkbox"/>							
c. <input type="checkbox"/>							
d. <input type="checkbox"/>							
e. <input type="checkbox"/>							
f. <input type="checkbox"/>							
g. <input type="checkbox"/>							
h. <input type="checkbox"/>							
i. <input type="checkbox"/>							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>    </u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year
34. Transporter <u>    </u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE017</b>		22. Page <b>3 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter <u>5</u> Company Name <b>Columbia Ridge Landfill</b>			25. US EPA ID Number <b>ORD 987 173 457</b>		N. State Transporter's ID		
26. Transporter _____ Company Name			27. US EPA ID Number		O. Transporter's Phone <b>541-454-2030</b>		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
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S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>Carmela Hughes</i>					Signature <i>Carmela Hughes</i>		Month Day Year <i>09/15/05</i>
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE017		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 PT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID
26. Transporter _____ Company Name					27. US EPA ID Number		O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
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i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/05
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE017
Profile #:	2320VC
Pounds Disposed:	30220 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script that reads 'Angela Timmerman'.

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

058984

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282782  
DATE: 09/16/2005  
TIME: 09:24 - 09:24  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593147 TRAILER: FNWS8042  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8042  
COMMENT:

P.O.: 593147  
GROSS: 73460 LBS  
TARE: 43240 LBS  
NET: 30220 LBS  
MANIFEST: NE017

WASTE	NET/TONS	UNIT
TRANSUSEPW / TRANS BY UNIT SPW (ST	1.00	U
PCSCP / PCS COMINGLE -(PCP)	15.11	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593147

01:33PM 09/15/2005

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2320VC  
TRUCK NUMBER: \_\_\_\_\_  
TRAILER/CONTAINER NUMBER: FNWS 8042  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE017

GROSS WEIGHT: 73460 lb  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT.-TRAILER/CONTAINER: 43240  
NET WEIGHT: 30220

GATEHOUSE: \_\_\_\_\_  
DRIVER: Car  
TRAIN ID: USEGL 13 ORIGIN: 0X951  
WASTE TYPE: Soil with PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_



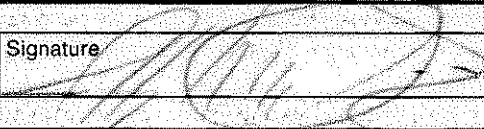
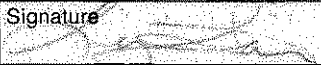
# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE018</b>		2. Page 1 of <b>2 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
				B. Transporter 1 Phone <b>800-426-3113</b>			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>33,960 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXXXXXXXXXXXXXXXX BEESC, 2000 W. International Airport Rd., 4C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8130</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations. <b>LIBACOE / QAR ON BEHALF OF LIBACOE /</b>							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <b>S. A. MILLS</b>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <b>[Signature]</b>		Date <b>8/2/05</b>	
Printed/Typed Name <b>[Name]</b>							
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <b>[Signature]</b>		Date <b>8/15/05</b>	
Printed/Typed Name <b>[Name]</b>							
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <b>Angela Timmerman</b>		Date <b>9/13/05</b>	

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE018		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter <sup>3</sup> Company Name West Coast Trucking			25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID		
26. Transporter <sup>4</sup> Company Name Union Pacific Railroad Co.			27. US EPA ID Number NED 001 792 910		O. Transporter's Phone 206-903-8300		
					P. State Transporter's ID		
					Q. Transporter's Phone 402-271-4400		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <sup>3</sup> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Jeffrey Wackiewicz					Signature 		Month Day Year 9 9 05
34. Transporter <sup>4</sup> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name LID SATHAN					Signature 		Month Day Year 1 1 05
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE018		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		M. State Generator's ID
26. Transporter Company Name					27. US EPA ID Number		N. State Transporter's ID
							O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
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e.							
f.							
g.							
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i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/13/05
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 15, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 13, 2005
Manifest #:	NE018
Profile #:	2320VC
Pounds Disposed:	33380 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

058912  
TICKET: 282469  
DATE: 09/15/2005  
TIME: 10:13 - 10:13  
LOAD DATE: 09/12/2005  
TIP DATE: 09/13/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593057  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8130  
CONTAINER: 8130

P.O.: 593057  
GROSS: 77000 LBS  
TARE: 43620 LBS  
NET: 33380 LBS  
MANIFEST: NE018

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
PCSCP / PCS COMINGLE -(PCP)	16.69	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLT01FC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLT01FC

**WM**  
WASTE MANAGEMENT  
Oregon Waste Systems  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

No 593057

DATE/TIME: 10:38AM 09/13/2005

LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / USACE  
PROFILE NUMBER: 2320 VC  
TRUCK NUMBER: 9605  
TRAILER/CONTAINER NUMBER: PNWS 8130  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE018

GROSS WEIGHT: 77000 lb  
TARE WEIGHT-TRACTOR: 43620  
TARE WGT.-TRAILER/CONTAINER: 33380  
NET WEIGHT: \_\_\_\_\_

GATEHOUSE: CM  
DRIVER: JRM  
TRAIN ID: 11090111 ORIGIN: 09X951  
WASTE TYPE: 0901 W/PCB  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

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## NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE019	22. Page 2 of 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number 5	
24. Transporter 3 Company Name West Coast Trucking		25. US EPA ID Number WAN 000 016 683		M. State Generator's ID	
26. Transporter 4 Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910		N. State Transporter's ID	
				O. Transporter's Phone 206-903-8300	
				P. State Transporter's ID	
				Q. Transporter's Phone 402-271-4400	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a. <input type="checkbox"/> HM		No.	Type		
b. <input type="checkbox"/>					
c. <input type="checkbox"/>					
d. <input type="checkbox"/>					
e. <input type="checkbox"/>					
f. <input type="checkbox"/>					
g. <input type="checkbox"/>					
h. <input type="checkbox"/>					
i. <input type="checkbox"/>					
S. Additional Descriptions for Materials Listed Above			T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information					
33. Transporter 3 Acknowledgement of Receipt of Materials					
Printed/Typed Name Cynthia Crespo			Signature Cynthia Crespo		Date Month Day Year 7/17/01
34. Transporter 3 Acknowledgement of Receipt of Materials					
Printed/Typed Name Anatoliy			Signature [Signature]		Date Month Day Year 7/17/01
35. Discrepancy Indication Space					



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE019		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 PT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID
26. Transporter Company Name					27. US EPA ID Number		O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
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S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Cynthia Cresap					Signature Cynthia Cresap		Month Day Year 09/12/05
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/05
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE019
Profile #:	2320VC
Pounds Disposed:	33660 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

  
Julie Valdez  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

059003

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282891  
DATE: 09/16/2005  
TIME: 13:11 - 13:39  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593149 TRAILER: PNWS8081  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8081  
COMMENT:

P.O.: 593149  
GROSS: 75520 LBS  
TARE: 41860 LBS  
NET: 33660 LBS  
MANIFEST: NE019

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
PCSCP / PCS COMINGLE -(PCP)	16.83	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

SEP 15 AM 11:29

NO 593149

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol fusace  
PROFILE NUMBER: 2320 VC  
TRUCK NUMBER: 650  
TRAILER/CONTAINER NUMBER: PNWS 8081  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE019

GROSS WEIGHT: 75520  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 41860  
NET WEIGHT: 33660

GATEHOUSE: SA  
DRIVER: Jian  
TRAIN ID: 4566113 ORIGIN: OX951  
WASTE TYPE: Soil with PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AK0 000 228 395</b>		Manifest Document No. <b>NE020</b>		2. Page 1 of <b>2 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>32,370 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl ANCO/ANCONA/ANCONA BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box # PNWS 8131</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S. A. Mills</i>		Date Month <b>8</b> Day <b>01</b> Year <b>05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Steve Glasman</i>		Date Month <b>8</b> Day <b>4</b> Year <b>05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>Marken Turelough</i>		Date Month <b>8</b> Day <b>13</b> Year <b>05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date Month <b>9</b> Day <b>19</b> Year <b>05</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE020		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 3 Company Name West Coast Trucking					25. US EPA ID Number WAH 000 016 683		
26. Transporter 4 Company Name Union Pacific Railroad Co.					27. US EPA ID Number NED 001 792 910		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
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i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Yakovlev					Signature [Signature]		Month Day Year 09/13/02
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name [Name]					Signature [Signature]		Month Day Year 10/13/02
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE020		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		M. State Generator's ID
26. Transporter _____ Company Name					27. US EPA ID Number		N. State Transporter's ID
							O. Transporter's Phone 541-454-2030
							P. State Transporter's ID
							Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers No.	30. Total Quantity	31. Unit Wt/Vol
					Type		R. Waste No.
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S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 5 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/04
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE020
Profile #:	2320VC
Pounds Disposed:	33580 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script that reads "Angela Timmerman".

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



058986

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282784  
DATE: 09/16/2005  
TIME: 09:34 - 09:34  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593151  
ORIGIN: SAV / SAVOOGNA  
COMMENT:

TRAILER: PNWS8131  
CONTAINER: 8131

P.O.: 593151  
GROSS: 75200 LBS  
TARE: 41620 LBS  
NET: 33580 LBS  
MANIFEST: NE020

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
PCSCE / PCS COMINGLE -(PCP)	16.79	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: \_\_\_\_\_  
IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: \_\_\_\_\_  
OUT: ANGELA TIMMERMAN B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593151

DATE/TIME: 01:09PM 09/15/2005

LOAD DATE: \_\_\_\_\_

CUSTOMER: Bristol / USACE

PROFILE NUMBER: 2320 VC

TRUCK NUMBER: 96-05

TRAILER/CONTAINER NUMBER: PNWS 8131

SEAL NUMBER: \_\_\_\_\_

CUSTOMER INVOICE NO.: NE020

GROSS WEIGHT: 75200 lb

TARE WEIGHT-TRACTOR: 41620

TARE WGT-TRAILER/CONTAINER: 33580

NET WEIGHT: \_\_\_\_\_

GATEHOUSE: Car

DRIVER: jmu

TRAIN ID: 456213 ORIGIN: 0X201

WASTE TYPE: Soil with PCBs

DISPOSAL: CM DC BU GRID SEGREGATE

REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE021</b>		2. Page 1 of <b>XX 3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>NORTHLAND SERVICES</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>NORTHLAND SERVICES</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Landfill 18177 Cedar Springs Lane Arlington, OR</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. <b>Material not regulated by DOT</b>				<b>01 CM</b>		<b>23,260 P</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. PNWS 8120 Profile No. 2320VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl XXXXXX BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact CHEMPREC at 800-424-9300. Baker box # PNWS 8120</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>S.A. Mills</i>		Date <b>8/01/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Angela Timmerman</b>				Signature <i>Angela Timmerman</i>		Date <b>9/15/05</b>	

NON-HAZARDOUS WASTE

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE021</b>		22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>					L. State Manifest Document Number		
24. Transporter <u>3</u> Company Name <b>West Coast Trucking</b>					M. State Generator's ID		
25. US EPA ID Number <b>WAB 000 016 683</b>					N. State Transporter's ID		
26. Transporter <u>4</u> Company Name <b>Union Pacific Railroad Co.</b>					O. Transporter's Phone <b>206-903-8300</b>		
27. US EPA ID Number <b>NED 001 792 910</b>					P. State Transporter's ID		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					Q. Transporter's Phone <b>402-271-4400</b>		
					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>W. Corcoran</i>					Signature <i>[Signature]</i>		Month Day Year <i>10/15</i>
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name <i>W. S. Smith</i>					Signature <i>[Signature]</i>		Month Day Year <i>11/15</i>
35. Discrepancy Indication Space							





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE021	22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number		
24. Transporter Company Name Columbia Ridge Landfill				25. US EPA ID Number ORD 987 173 457		M. State Generator's ID
26. Transporter Company Name				27. US EPA ID Number		N. State Transporter's ID
						O. Transporter's Phone 541-454-2030
						P. State Transporter's ID
						Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter <u>S</u> Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name Carmela Hughes				Signature Carmela Hughes		Month Day Year 09/15/05
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name				Signature		Month Day Year
35. Discrepancy Indication Space						







**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE021
Profile #:	2320VC
Pounds Disposed:	22280 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*

058985

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 282783  
DATE: 09/16/2005  
TIME: 09:34 - 09:34  
LOAD DATE: 09/14/2005  
TIP DATE: 09/15/2005

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 593150 TRAILER: PNWS8120  
ORIGIN: SAV / SAVOOGNA CONTAINER: 8120  
COMMENT:

P.O.: 593150  
GROSS: 66760 LBS  
TARE: 44480 LBS  
NET: 22280 LBS  
MANIFEST: NE021

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
PCSCP / PCS COMINGLE -(PCP)	11.14	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: ANGELA TIMMERMAN B: ORARLI01PC

Weighmaster: OUT: ANGELA TIMMERMAN B: ORARLI01PC

Oregon Waste Systems  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



No 593150

DATE/TIME: 07:31AM 09/15/2005

LOAD DATE:

CUSTOMER: Bristol/USACE

PROFILE NUMBER: 2320VC

TRUCK NUMBER: 972-522

TRAILER/CONTAINER NUMBER: PNWS 8120

SEAL NUMBER:

CUSTOMER INVOICE NO: NE021

GROSS WEIGHT: 66760 lb

TARE WEIGHT-TRACTOR:

TARE WGT-TRAILER/CONTAINER: 44480

NET WEIGHT: 22280

GATEHOUSE: Cal

DRIVER: Rita

TRAIN ID: USEGL13 ORIGIN: 08751

WASTE TYPE: Soil with PCBs

DISPOSAL: (CM) DC BU GRID SEGREGATE

REMARKS:

HAULER:

# NON-HAZARDOUS WASTE MANIFEST

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. MSD 000 228 395		Manifest Identification No. MSD22		2. Page 1 of 3	
3. Generator's Name and Mailing Address <b>GEARAY STATE WORTHINGTON CAFE</b> <b>PO BOX 35056 FT WORTHRIGHT, AR 75703-0056</b>							
4. Generator's Phone: 807 333-7830				c/o Bristol Environmental			
5. Transporter's Company Name <b>NORTLAND SERVICES</b>		6. US EPA ID Number <b>WAD 001 773 005</b>		7. Date Transported To <b>8/20/03</b>		8. Transporter's Phone: 800-424-3113	
9. Transporter's Company Name <b>NORTLAND SERVICES</b>		10. US EPA ID Number <b>WAD 001 773 005</b>		11. Date Transported To <b>8/20/03</b>		12. Transporter's Phone: 800-424-3113	
13. Designated Facility Name and Site Address <b>Columbia Edison Landfill</b> <b>18177 Cedar Springs Lane</b> <b>Arlington, AR</b>				14. US EPA ID Number <b>MSD 007 173 487</b>		15. Date Facility's ID <b>8/1/03</b>	
16. Waste Description				17. Disposal		18. Total Quantity	
Material not regulated by RCRA				61		29,470	
19. Additional Description for Materials Listed Above soil containing polychlorinated biphenyls. PCB out of service date 07/16/03. Profile No. 2120VL				20. Handling Codes for Materials Listed Above			
21. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generator's agent: Patricia Carl 2000 W. International Airport Rd., AC-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. Baker box# FW5 0024							
22. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this manifest are true and accurately described and are in all respects fit for use for disposal or management. This manifest is subject to the rules and regulations of the Federal Resource Conservation and Recovery Act.							
23. Signature of Generator's Representative <b>STEVE A. "Sam" Miller</b>				24. Date <b>8/10/03</b>			
25. Signature of Transporter's Representative <b>ANGELA SUMMERMAN</b>				26. Date <b>9/15/03</b>			
27. Signature of Facility's Representative <b>ANGELA SUMMERMAN</b>				28. Date <b>9/15/03</b>			

NON-HAZARDOUS WASTE



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AKO 000 228 395</b>	Manifest Document No. <b>NE023</b>	22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>				L. State Manifest Document Number		
				M. State Generator's ID		
24. Transporter 3 Company Name <b>West Coast Trucking</b>		25. US EPA ID Number <b>WAH 000 016 683</b>		N. State Transporter's ID		
26. Transporter 4 Company Name <b>Union Pacific Railroad Co.</b>		27. US EPA ID Number <b>NEB 001 792 910</b>		O. Transporter's Phone <b>206-903-8300</b>		
				P. State Transporter's ID		
				Q. Transporter's Phone <b>402-271-4400</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
35. Discrepancy Indication Space						





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE022		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		
26. Transporter _____ Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 09/15/05
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 16, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 15, 2005
Manifest #:	NE022
Profile #:	2320VC
Pounds Disposed:	30500 lbs.
Waste Type:	Soil w/PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green.® Think Waste Management.*



**Oregon Waste Systems**  
 A Waste Management Company  
 18177 Cedar Springs Lane  
 Arlington, Oregon 97812  
 (541) 454-2030

No 593145

08:31AM 09/15/2005

DATE/TIME: \_\_\_\_\_  
 LOAD DATE: \_\_\_\_\_  
 CUSTOMER: Bristol/USACE  
 PROFILE NUMBER: 2320 VC  
 TRUCK NUMBER: 96-05  
 TRAILER/CONTAINER NUMBER: PNWS 8024  
 SEAL NUMBER: \_\_\_\_\_  
 CUSTOMER INVOICE NO.: NE022

GROSS WEIGHT: 72260 lb  
 TARE WEIGHT-TRACTOR: \_\_\_\_\_  
 TARE WGT.-TRAILER/CONTAINER: 41760  
 NET WEIGHT: 30500

GATEHOUSE: Car  
 DRIVER: Jim  
 TRAIN ID: US86L13 ORIGIN: OX951  
 WASTE TYPE: Soil with PCB  
 DISPOSAL: CM DC BU GRID SEGREGATE  
 REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
 IN: ANGELA TIMMERMAN E: ORARL101PC

Weightmaster: \_\_\_\_\_  
 OUT: ANGELA TIMMERMAN B: ORARL101PC

CUSTOMER: BRISTOL ENVIRONMENTAL  
 PROFILE: 2320VC / BRISTOL ENV / US A  
 TRUCK: 593145  
 ORIGIN: SAV / SAVOOGNA  
 COMMENT: \_\_\_\_\_  
 TRAILER: PNWS8024  
 CONTAINER: 8024

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
PCSCP / PCS COMINGLE ~ (PCP)	15.25	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

P.O.: 593145  
 GROSS: 72260 LBS  
 TARE: 41760 LBS  
 NET: 30500 LBS  
 MANIFEST: NE022

WM Columbia Ridge Landfill  
 18177 Cedar Springs Lane  
 Arlington, OR 97812  
 (541)-454-2030

TICKET: 282781  
 DATE: 09/16/2005  
 TIME: 09:17 - 09:17  
 LOAD DATE: 09/14/2005  
 TIP DATE: 09/15/2005

058983

# 中国书画函授大学肇庆分校

**SECRET**



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>AK0 000 228 395</b>	Manifest Document No. <b>NE023</b>	22. Page <b>2 of 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066</b>				L. State Manifest Document Number		
24. Transporter <sup>3</sup> Company Name <b>West Coast Trucking</b>				25. US EPA ID Number <b>WAH 000 016 683</b>		
26. Transporter <sup>4</sup> Company Name <b>Union Pacific Railroad Co.</b>				27. US EPA ID Number <b>NED 001 792 910</b>		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name				Signature		Month Day Year
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name				Signature		Month Day Year
35. Discrepancy Indication Space						



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE023		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 5 Company Name Columbia Ridge Landfill					25. US EPA ID Number ORD 987 173 457		
26. Transporter _____ Company Name					27. US EPA ID Number		
					N. State Transporter's ID		
					O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 2 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 9/16/05
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							





**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

September 20, 2005

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	September 19, 2005
Manifest #:	NE023
Container #:	PNWS8071
Profile #:	2320VC
Pounds Disposed:	33160 lbs.
Waste Type:	Concrete With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

*Angela Timmerman*

Angela Timmerman  
Special Waste Billing Department

***From everyday collection to environmental protection, Think Green.® Think Waste Management.***



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

**Nº 593308**

DATE/TIME: 12:54PM 09/16/2005  
LOAD DATE:  
CUSTOMER: Bristol/USACE  
PROFILE NUMBER: 2320VC  
TRUCK NUMBER: 96-05  
TRAILER/CONTAINER NUMBER: PNWS 8071  
SEAL NUMBER:  
CUSTOMER INVOICE NO.: NE 023

GROSS WEIGHT: 74660 lb  
TARE WEIGHT-TRACTOR: 41500  
TARE WGT.-TRAILER/CONTAINER: 33160  
NET WEIGHT:

GATEHOUSE: Car  
DRIVER: Jim  
TRAIN ID: used 15 ORIGIN: OX951  
WASTE TYPE: oil w/PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS:

HAULER:

Driver: ANGELA TIMMERMAN E: ORARL101PC

Weightmaster: ANGELA TIMMERMAN E: ORARL101PC

WASTE  
LOC-U-SPW / LOCAL TRANS BY UNIT SPW  
TRANSUSPW / TRANS BY UNIT SPW (ST)  
PCSCP / PCS COMINGLE - (PCP)

NET/TONS  
1.00  
1.00  
16.58

UNIT  
U  
U  
T

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 593308  
ORIGIN: SAV / SAVOOGNA  
COMMENT:  
TRAILER: PNWS8071  
CONTAINER: 8071

E.O.: 593308  
GROSS: 74660 LBS  
TARE: 41500 LBS  
NET: 33160 LBS  
MANIFEST: NE023

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030

TICKET: 283329  
DATE: 09/20/2005  
TIME: 08:21 - 08:21  
LOAD DATE: 09/16/2005  
TIP DATE: 09/16/2005

059114



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>AKO 000 228 395</b>		Manifest Document No. <b>NE024</b>		2. Page 1 of <b>3</b>	
3. Generator's Name and Mailing Address <b>USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066</b>							
4. Generator's Phone ( <b>907</b> ) <b>353-7850</b>				<b>c/o Bristol Environmental</b>			
5. Transporter 1 Company Name <b>Northland Services</b>		6. US EPA ID Number <b>WAD 981 773 005</b>		A. State Transporter's ID			
7. Transporter 2 Company Name <b>Northland Services</b>		8. US EPA ID Number <b>WAD 981 773 005</b>		B. Transporter 1 Phone <b>800-426-3113</b>			
9. Designated Facility Name and Site Address <b>Columbia Ridge Recycling &amp; Landfill 18177 Cedar Springs Lane Arlington, OR 97812</b>		10. US EPA ID Number <b>ORD 987 173 457</b>		C. State Transporter's ID			
				D. Transporter 2 Phone <b>800-426-3113</b>			
				E. State Facility's ID			
				F. Facility's Phone <b>541-454-2030</b>			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No.	Type		
a. <b>Material not regulated by DOT</b>				<b>01</b>	<b>CM</b>	<b>16,460</b>	<b>P</b>
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>Non-Friable Asbestos Profile # 2370VC</b>				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <b>Conex <del>RRS</del> X C422</b> <b>Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.</b>							
<b>16. GENERATOR'S CERTIFICATION:</b> I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>STEVE A. "SAM" MILLS</b>				Signature <i>[Signature]</i>		Date <b>8/24/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Date <b>8/24/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Date <b>8/24/05</b>	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.							
Printed/Typed Name <b>Dicky McKinney</b>				Signature <i>[Signature]</i>		Date <b>02/01/06</b>	

NON-HAZARDOUS WASTE

TRANSPORTER FACILITY



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE024		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
24. Transporter 3 Company Name West Coast Trucking					M. State Generator's ID		
25. US EPA ID Number WAB 000 016 693					N. State Transporter's ID		
26. Transporter 4 Company Name Union Pacific Railroad Co.					O. Transporter's Phone 206-903-8300		
27. US EPA ID Number WED 001 792 910					P. State Transporter's ID		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					Q. Transporter's Phone 402-271-4400		
					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name X VITALIE BARDNICH					Signature [Signature]		Month Day Year 1 1 06
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name L. S. [Signature]					Signature [Signature]		Month Day Year 1 1 06
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE 024		22. Page 3 of 3		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066						L. State Manifest Document Number	
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill						25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID	
26. Transporter _____ Company Name						27. US EPA ID Number		O. Transporter's Phone 541-454-2030	
								P. State Transporter's ID	
								Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						29. Containers		30. Total Quantity	31. Unit Wt/Vol
						No.	Type		
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information									
33. Transporter _____ Acknowledgement of Receipt of Materials						Date			
Printed/Typed Name Carmela Hughes						Signature Carmela Hughes		Month Day Year 01/31/06	
34. Transporter _____ Acknowledgement of Receipt of Materials						Date			
Printed/Typed Name						Signature		Month Day Year	
35. Discrepancy Indication Space									



# ASN-4 Asbestos Waste Shipment Report Form



PLEASE PRINT OR TYPE, except for required signatures. Questions? Contact the DEQ Asbestos Control Section, 2020 SW 4th, Ste. 400, Portland, OR 97201, (503) 229-5982, OR call 1-800-452-4011 for the phone number and location of your local regional DEQ office.

## WASTE GENERATOR: (Contractor - Facility - Operator)

1. Asbestos removal site name and address: USARMY USACE NORTHEAST CAPE  
P.O. BOX 35066 FT. WAINWRIGHT, ALASKA NA 99703-0066

Street City County Zip  
 Contact person: PAUL SCHNEIDER (ACOE) Phone: 907-353-7850

2. Operator's name and address: BRISTOL ENVIRONMENTAL & ENGINEERING SERVICES Phone: 907-563-0013  
111 W. 16 STREET, SUITE 301 ANCHORAGE, ALASKA NA 99501

Street City County Zip

3. Waste disposal site: COLUMBIA RIDGE RECYCLING AND LANDFILL Phone: 541-454-2030  
18177 CEDAR SPRINGS LANE ARLINGTON, OREGON GILLIAM 97812

Street City County Zip

4. Describe asbestos materials: NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - BOILER

5. Containers: Number: C422 Type: CONEX

6. Total quantity (kilograms): 7,582 15 cubic yards per Patricia Curl @ Bristol 1-12-06  
56

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Name: PATRICIA CURL Company: BEESC  
 Signature: Patricia Curl Date: 9/27/05

## TRANSPORTERS:

8. Transporter #1: (Acknowledgment of receipt of materials)

Agent: [Signature] Company: NORTHLAND SERVICES  
 Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
 Signature: [Signature] Date: 1/16/06

9. Transporter #2: (Acknowledgment of receipt of materials)

Agent: [Signature] Company: NORTHLAND SERVICES  
 Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
 Signature: [Signature] Date: 1/16/06

10. Transporter #3: (Acknowledgment of receipt of materials)

Agent: See Page 2 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

PROFILE 2370VC  
 Manifest: NE024



# ASN-4 Asbestos Waste Shipment Report Form



PLEASE PRINT OR TYPE, except for required signatures. Questions? Contact the DEQ Asbestos Control Section, 2020 SW 4th, Ste. 400, Portland, OR 97201, (503) 229-5982, OR call 1-800-452-4011 for the phone number and location of your local regional DEQ office.

## WASTE GENERATOR: (Contractor - Facility - Operator)

1. Asbestos removal site name and address: USARMY USACE NORTHEAST CAPE  
P.O. BOX 35086 FT. WAINWRIGHT, ALASKA NA 99703-0066  
Street City County Zip  
Contact person: PAUL SCHNEIDER (ACOE) Phone: 907-353-7850
2. Operator's name and address: BRISTOL ENVIRONMENTAL & ENGINEERING SERVICES Phone: 907-563-0013  
111 W. 16 STREET, SUITE 301 ANCHORAGE, ALASKA NA 99501  
Street City County Zip
3. Waste disposal site: COLUMBIA RIDGE RECYCLING AND LANDFILL Phone: 541-454-2030  
18177 CEDAR SPRINGS LANE ARLINGTON, OREGON GILLIAM 97812  
Street City County Zip
4. Describe asbestos materials: NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - BOILER
5. Containers: Number: C422 Type: CONEX
6. Total quantity (kilograms): 7.582 15 cubic yards per Patricia Curl@Bristol 1-12-06  
SG

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Name: PATRICIA CURL Company: BEESC

Signature: Patricia Curl Date: 9/27/05

## TRANSPORTERS:

8. Transporter #1: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: NORTHLAND SERVICES  
Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_
9. Transporter #2: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: NORTHLAND SERVICES  
Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_
10. Transporter #3: (Acknowledgment of receipt of materials)  
Agent: DOUG NAEOR Company: WEST COAST TRUCKING  
Address: 3433 AIRPORT WAY S. Phone: 206-957-7721  
Signature: Douglas Naeor Date: 1-13-2006

PROFILE 2370VC  
Manifest: NF024

2013

## ASN-4 Asbestos Waste Shipment Report Form Continued



## WASTE GENERATOR: (Contractor - Facility - Operator)

Asbestos removal site name and address: USARMY USACE NORTHEAST CAPEP.O. BOX 35066FT. WAINWRIGHT, ALASKANA99703-0066

Street

City

County

Zip

Describe asbestos materials: NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - TRANSITE SIDING

## TRANSPORTERS CONTINUED:

## 11. Transporter #4: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: UNION PACIFIC RAILROAD COMPANYAddress: 1416 DODGE STREET, OMAHA, NE 68179 Phone: 402-271-4400

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## 12. Transporter #5: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: UNION PACIFIC RAILROAD COMPANYAddress: 1416 DODGE STREET, OMAHA, NE 68179 Phone: 402-271-4400

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## 13. Transporter #6: (Acknowledgment of receipt of materials)

Agent: L. SAHITO Company: U/MAddress: 402 S. Dawson St. WA Phone: 764/541Signature: [Signature] Date: 1/18/00

## 13. Transporter #7: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## DISPOSAL: (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

14. Waste Disposal Site: COLUMBIA RIDGE RECYCLING & LANDFILLName and title: Shane G. Grogan, Jr. Date: 1-31-00Signature: [Signature] Phone: 541-454-2030

## 15. DISCREPANCY SPACE: (Add attachments as needed)

PROFILE 2370VC  
Manifest: NE025



**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

February 1, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	February 01, 2006
Manifest #:	NE024
Container #:	NONU000422
Profile #:	2370VC
Pounds Disposed:	15920 lbs.
Waste Type:	Non-Friable Debris

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script that reads "Victoria McKinney".

Victoria McKinney  
Special Waste Billing Department

069269

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 315055  
DATE: 02/01/2006  
TIME: 09:15 - 09:15  
LOAD DATE: 01/11/2006  
TIP DATE: 02/01/2006

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2370VC / BRISTOL/US ARMY U  
TRUCK: 602579 TRAILER: NONU000422  
ORIGIN: SAVOONGA / SAVOONGA CONTAINER: NONU000422  
COMMENT:

P.O.: 602579  
GROSS: 60720 LBS  
TARE: 44800 LBS  
NET: 15920 LBS  
MANIFEST: NE024

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
NASE / NON FRIABLE ASBESTOS (ASP)	7.96	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: VICKY MCKINNEY B: ORARLI01PC

Weighmaster: OUT: VICKY MCKINNEY B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



Nº 602579

JAN 31 AM 8:10

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: BRISTOL/USACE  
PROFILE NUMBER: 2370 VC  
TRUCK NUMBER: 709  
TRAILER/CONTAINER NUMBER: NONU 000422  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE024

GROSS WEIGHT: 60720  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT.-TRAILER/CONTAINER: 44800  
NET WEIGHT: 15920

GATEHOUSE: \_\_\_\_\_  
DRIVER: DM  
TRAIN ID: USE 10 ORIGIN: OX 95  
WASTE TYPE: WASTE  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_

.....

姓名	性别	年龄	民族	籍贯	职业	文化程度	政治面貌	婚姻状况	健康状况	兴趣爱好	特长	其他
张三	男	25	汉族	湖南长沙	教师	本科	中共党员	已婚	良好	阅读	书法	
李四	女	30	汉族	湖北武汉	医生	硕士	民主党派	未婚	良好	运动	钢琴	
王五	男	45	汉族	广东广州	工程师	本科	中共党员	已婚	良好	旅游	摄影	
赵六	女	55	汉族	四川成都	退休	高中	民主党派	已婚	良好	园艺	京剧	
孙七	男	60	汉族	浙江杭州	公务员	本科	中共党员	已婚	良好	钓鱼	围棋	
周八	女	70	汉族	北京天津	退休	小学	民主党派	已婚	良好	广场舞	太极拳	
吴九	男	75	汉族	上海南京	退休	初中	中共党员	已婚	良好	散步	象棋	
郑十	女	80	汉族	福建厦门	退休	小学	民主党派	已婚	良好	听音乐	茶艺	
陈十一	男	85	汉族	广西桂林	退休	小学	中共党员	已婚	良好	看电视	麻将	
林十二	女	90	汉族	云南昆明	退休	小学	民主党派	已婚	良好	晒太阳	广场舞	

THE UNIVERSITY OF CHICAGO PRESS

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395	Manifest Document No. NE025	22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number		
				M. State Generator's ID		
24. Transporter <u>3</u> Company Name West Coast Trucking		25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID		
26. Transporter <u>4</u> Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910		O. Transporter's Phone 206-903-8300		
				P. State Transporter's ID		
				Q. Transporter's Phone 402-271-4400		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total	31. Unit
				No.	Quantity	Wt/Vol
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
33. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name VITALIE SARANIVIC				Signature <i>[Signature]</i>		Month Day Year
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name Vladimir Stodnick				Signature <i>[Signature]</i>		Month Day Year
35. Discrepancy Indication Space						





<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AED 000 228 395	Manifest Document No. <b>NE 025</b>	22. Page 3 of 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name USARMC USACE NORTHEAST CAPE PO BOX 35066, FT WATNIGHT, AR 99703-0066				L. State Manifest Document Number	
24. Transporter Company Name Columbia Bridge Landfill				M. Responder ID	
25. US EPA ID Number LA00 007 173 457				N. Date Transported	
26. Transporter Company Name				O. Transporter Phone 503 454 2030	
27. US EPA ID Number				P. Date Transported	
28. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				Q. Transporter Phone	
29. Containers		30. Total Quantity		31. Net Weight	
No. Type					
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
j.					
k.					
l.					
m.					
n.					
o.					
p.					
q.					
r.					
s.					
t.					
u.					
v.					
w.					
x.					
y.					
z.					
32. Special Handling Instructions and Additional Information				33. Handling Instructions for Materials Listed Above	
34. Transporter Acknowledgment of Receipt of Materials				Date	
Printed/Typed Name				Month Day Year	
Signature				7/1/16	
35. Transporter Acknowledgment of Receipt of Materials				Date	
Printed/Typed Name				Month Day Year	
Signature				01/2/16	
36. Emergency Information Space					

# ASN-4 Asbestos Waste Shipment Report Form



PLEASE PRINT OR TYPE, except for required signatures. Questions? Contact the DEQ Asbestos Control Section, 2020 SW 4th, Ste. 400, Portland, OR 97201, (503) 229-5982, OR call 1-800-452-4011 for the phone number and location of your local regional DEQ office.

## WASTE GENERATOR: (Contractor - Facility - Operator)

1. Asbestos removal site name and address: USARMY USACE NORTHEAST CAPE  
P.O. BOX 35066 FT. WAINWRIGHT, ALASKA NA 99703-0066

Street City County Zip

Contact person: PAUL SCHNEIDER (ACOE) Phone: 907-353-7850

2. Operator's name and address: BRISTOL ENVIRONMENTAL & ENGINEERING SERVICES Phone: 907-563-0013  
111 W. 16 STREET, SUITE 301 ANCHORAGE, ALASKA NA 99501

Street City County Zip

3. Waste disposal site: COLUMBIA RIDGE RECYCLING AND LANDFILL Phone: 541-454-2030  
18177 CEDAR SPRINGS LANE ARLINGTON, OREGON GILLIAM 97812

Street City County Zip

4. Describe asbestos materials: NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - BOILER

5. Containers: Number: NSIU299170 Type: CONEX

6. Total quantity (kilograms): 1,395 3 cubic yards per Patricia Curl @ Bristol 1-12-06  
56

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Name: PATRICIA CURL Company: BEESC  
 Signature: Patricia Curl Date: 9/27/05

## TRANSPORTERS:

8. Transporter #1: (Acknowledgment of receipt of materials)

Agent: [Signature] Company: NORTHLAND SERVICES  
 Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
 Signature: [Signature] Date: 1/13/06

9. Transporter #2: (Acknowledgment of receipt of materials)

Agent: [Signature] Company: NORTHLAND SERVICES  
 Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
 Signature: [Signature] Date: 1/13/06

10. Transporter #3: (Acknowledgment of receipt of materials)

Agent: Sell Pg 2 Company: PUGET SOUND TRUCK LINES INC.  
 Address: PO BOX 24065, SEATTLE, WA 98124 Phone: 206-623-1600  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

PROFILE 2370VC  
 Manifest: NE025



## ASN-4 Asbestos Waste Shipment Report Form



PLEASE PRINT OR TYPE, except for required signatures. Questions? Contact the DEQ Asbestos Control Section, 2020 SW 4th, Ste. 400, Portland, OR 97201, (503) 229-5982, OR call 1-800-452-4011 for the phone number and location of your local regional DEQ office.

### WASTE GENERATOR: (Contractor - Facility - Operator)

1. Asbestos removal site name and address: USARMY USACE NORTHEAST CAPE  
P.O. BOX 36066 FT. WAINWRIGHT, ALASKA NA 99703-0066  
Street City County Zip
- Contact person: PAUL SCHNEIDER (ACOE) Phone: 907-353-7850
2. Operator's name and address: BRISTOL ENVIRONMENTAL & ENGINEERING SERVICES Phone: 907-563-0013  
111 W. 18 STREET, SUITE 301 ANCHORAGE ALASKA NA 99501  
Street City County Zip
3. Waste disposal site: COLUMBIA RIDGE RECYCLING AND LANDFILL Phone: 541-454-2030  
18177 CEDAR SPRINGS LANE ARLINGTON, OREGON GILLIAM 97112  
Street City County Zip
4. Describe asbestos materials NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - BOILER
5. Containers: Number: NSIU299170 Type: CONEX
6. Total quantity (kilograms): 1,395 3 cubic yards per Patricia Curl @ Bristol 1-12-06  
56

7. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Name: PATRICIA CURL Company: BEESC  
Signature: Patricia Curl Date: 9/27/05

### TRANSPORTERS:

8. Transporter #1: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: NORTHLAND SERVICES  
Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_
9. Transporter #2: (Acknowledgment of receipt of materials)  
Agent: \_\_\_\_\_ Company: NORTHLAND SERVICES  
Address: 100 PREFONTAINE PL S, SUITE 600, SEATTLE WA 98104 Phone: 800-426-3113  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_
10. Transporter #3: (Acknowledgment of receipt of materials)  
Agent: Doug N. Brown Company: WEST COAST TRUCKING  
Address: 3433 AIRPORT WAYS, Phone: 206-957-1921  
Signature: Douglas N. Brown Date: 1-13-2006

PROFILE 2370VC  
Manifest NE025

## ASN-4 Asbestos Waste Shipment Report Form Continued



## WASTE GENERATOR: (Contractor - Facility - Operator)

Asbestos removal site name and address: USARMY USACE NORTHEAST CAPEP.O. BOX 35066FT. WAINWRIGHT, ALASKANA99703-0066

Street

City

County

Zip

Describe asbestos materials: NON-FRIABLE ASBESTOS FROM DEBRIS CLEANUP - TRANSITE AND BOILERS

## TRANSPORTERS CONTINUED:

## 11. Transporter #4: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: UNION PACIFIC RAILROAD COMPANY  
Address: 1416 DODGE STREET, OMAHA, NE, 68179 Phone: 402-271-4400  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## 12. Transporter #5: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: UNION PACIFIC RAILROAD COMPANY  
Address: 1416 DODGE STREET, OMAHA, NE, 68179 Phone: 402-271-4400  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## 13. Transporter #6: (Acknowledgment of receipt of materials)

Agent: [Signature] Company: UPRR  
Address: 402 S. Dawson St WA Phone: 7641541  
Signature: [Signature] Date: 1/13/06

## 13. Transporter #7: (Acknowledgment of receipt of materials)

Agent: \_\_\_\_\_ Company: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## DISPOSAL: (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

14. Waste Disposal Site: COLUMBIA RIDGE RECYCLING & LANDFILL

Name and title: Shanne Cronquist Date: 1-31-06  
Signature: [Signature] Phone: 541-454-2030

## 15. DISCREPANCY SPACE: (Add attachments as needed)

PROFILE 2370VC  
Manifest: NE024



**COLUMBIA RIDGE LANDFILL &  
RECYCLING CENTER**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

February 1, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	February 01, 2006
Manifest #:	NE025
Container #:	NSIU299170
Profile #:	2370VC
Pounds Disposed:	3000 lbs.
Waste Type:	Non-Friable Debris

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script, reading 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

069270

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 315056  
DATE: 02/01/2006  
TIME: 09:16 - 09:16  
LOAD DATE: 01/11/2006  
TIP DATE: 02/01/2006

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2370VC / BRISTOL/US ARMY U  
TRUCK: 602580  
ORIGIN: SAVOONGA / SAVOONGA  
COMMENT:

TRAILER: NSIU299170  
CONTAINER: NSIU299170

P.O.: 602580  
GROSS: 47680 LBS  
TARE: 44680 LBS  
NET: 3000 LBS  
MANIFEST: NE025

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
NASE / NON FRIABLE ASEESTOS (ASP)	1.50	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: VICKY MCKINNEY B: ORARLI01PC

Weighmaster: OUT: VICKY MCKINNEY B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



Nº 602580

JAN 31 AM 9:45

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / USACE  
PROFILE NUMBER: 2370VC  
TRUCK NUMBER: 700  
TRAILER/CONTAINER NUMBER: NSIU 299170  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE025

GROSS WEIGHT: 47680  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 44680  
NET WEIGHT: 3000

GATEHOUSE: VF  
DRIVER: Dan  
TRAIN ID: Use 110 ORIGIN: OX 951  
WASTE TYPE: non friable asbestos  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NF026		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone (907) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Wooden poles with creosote Profile # 2369VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. <div style="text-align: right;">Conex EMCU 279676</div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF USACE / POD:				Date			
Printed/Typed Name STEVE A. "SAM" MILLS		Signature S.A. Mills		ACOE / QAR		Month Day Year 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name James P. Cunningham		Signature [Signature]				Month Day Year 8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Mick Anderson		Signature [Signature]				Month Day Year 11/14/05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name BRIAN STANIC				Signature [Signature]		Date 9/17/06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		AK0 000 228 395		NE026		2 of 3			
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number						M. State Generator's ID	
24. Transporter 3 Company Name		25. USEPA ID Number		N. State Transporter's ID					
West Coast Trucking		WAH 000 016 683							
26. Transporter 4 Company Name		27. USEPA ID Number		O. Transporter's Phone 206-903-8300					
Union Pacific Railroad Co.		NED 001 792 910							
		P. State Transporter's ID						Q. Transporter's Phone 402-271-4400	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
a. <span style="border: 1px solid black; padding: 2px;">HM</span>		No. Type							
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name <i>L. Smith</i>								Signature <i>[Signature]</i>	
								Month Day Year 1 9 16	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name <i>iborion SHADIC</i>								Signature <i>[Signature]</i>	
								Month Day Year 01 09 05	
35. Discrepancy Indication Space									

**NON**

(Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039.

<b>HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. <b>NE026</b>	22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number		
				M. State Generator's ID		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill		25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID		
26. Transporter _____ Company Name		27. US EPA ID Number		O. Transporter's Phone 541-454-2030		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity
				No.	Type	
GENERATOR	a.					WASTE NO.
	b.					
	c.					
	d.					
	e.					
	f.					
	g.					
	h.					
	i.					
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information						
TRANSPORTER	33. Transporter _____ Acknowledgement of Receipt of Materials				Date	
	Printed/Typed Name <i>Carmela Hughes</i>		Signature <i>Carmela Hughes</i>		Month Day Year 6/1/06	
FACILITY	34. Transporter _____ Acknowledgement of Receipt of Materials				Date	
	Printed/Typed Name		Signature		Month Day Year	
35. Discrepancy Indication Space						



**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 17, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal: January 17, 2006  
Manifest #: NE026  
Container #: EMCU279676  
Profile #: 2369VC  
Pounds Disposed: 18080 lbs.  
Waste Type: Creosote Poles

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*





066771

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 311116  
DATE: 01/17/2006  
TIME: 14:21 - 14:23  
LOAD DATE: 01/10/2006  
TIP DATE: 01/17/2006

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2369VC / BRISTOL/US ARMY U  
TRUCK: 601478  
ORIGIN: SAVOONGA / SAVOONGA  
COMMENT:

TRAILER: EMCU279676  
CONTAINER: 279676

P.O.: 601478  
GROSS: 60460 LBS  
TARE: 42380 LBS  
NET: 18080 LBS  
MANIFEST: NE026

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPP	9.04	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: VICKY MCKINNEY B: ORARLI01PC

Weighmaster: OUT: VICKY MCKINNEY B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

JAN 17 AM 8:34

Nº 601478

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: BRISTOL / USACE  
PROFILE NUMBER: 2369 VC  
TRUCK NUMBER: 709  
TRAILER/CONTAINER NUMBER: EMCU 279676  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE 026

GROSS WEIGHT: 60460  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 42380  
NET WEIGHT: 18080

GATEHOUSE: VR  
DRIVER: Dan  
TRAIN ID: Used on ORIGIN: OR 951  
WASTE TYPE: Cruciate poles  
DISPOSAL: CW DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE0207 NE027		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION  a. Material not regulated by DOT  b.  c.  d.  G. Additional Descriptions for Materials Listed Above Wooden poles with creosote Profile # 2369VC				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
				01 CM		P	
15. Special Handling Instructions and Additional Information Conex <del>XXXX</del> SAMU 216086 Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.				H. Handling Codes for Wastes Listed Above			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF US ACE / RPD:				Date			
Printed/Typed Name STEVE A. "SAM" MILLS		Signature S.A. Mills		ACE / QAR		Month Day Year 8 / 24 / 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name James P. Cunningham		Signature [Signature]				Month Day Year 8 / 27 / 05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Mike ANDERSON		Signature [Signature]				Month Day Year 11 / 14 / 05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Dicky McKenney				Signature Dicky McKenney		Date 11 / 17 / 06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

<b>HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. <b>NE027</b>		22. Page 2 of 3		Information in the shaded areas is not required by Federal law.																																																			
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066		25. US EPA ID Number WAH 000 016 683		L. State Manifest Document Number		M. State Generator's ID																																																			
24. Transporter 3 Company Name West Coast Trucking		25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID		O. Transporter's Phone 206-903-8300		P. State Transporter's ID																																																			
26. Transporter 4 Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910		Q. Transporter's Phone 402-271-4400		R. Waste No.																																																					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol																																																			
				No. Type																																																							
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i.																																																											
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above																																																					
32. Special Handling Instructions and Additional Information																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="5">33. Transporter Acknowledgement of Receipt of Materials</td> <td colspan="5">Date</td> </tr> <tr> <td colspan="5">Printed/Typed Name <i>Anatoliy Beronov</i></td> <td colspan="5">Signature <i>[Signature]</i></td> <td colspan="5">Month Day Year      </td> </tr> <tr> <td colspan="5">34. Transporter Acknowledgement of Receipt of Materials</td> <td colspan="5">Date</td> </tr> <tr> <td colspan="5">Printed/Typed Name <i>SATHRE</i></td> <td colspan="5">Signature <i>[Signature]</i></td> <td colspan="5">Month Day Year 1/10/16</td> </tr> </table>										33. Transporter Acknowledgement of Receipt of Materials					Date					Printed/Typed Name <i>Anatoliy Beronov</i>					Signature <i>[Signature]</i>					Month Day Year 					34. Transporter Acknowledgement of Receipt of Materials					Date					Printed/Typed Name <i>SATHRE</i>					Signature <i>[Signature]</i>					Month Day Year 1/10/16				
33. Transporter Acknowledgement of Receipt of Materials					Date																																																						
Printed/Typed Name <i>Anatoliy Beronov</i>					Signature <i>[Signature]</i>					Month Day Year 																																																	
34. Transporter Acknowledgement of Receipt of Materials					Date																																																						
Printed/Typed Name <i>SATHRE</i>					Signature <i>[Signature]</i>					Month Day Year 1/10/16																																																	
35. Discrepancy Indication Space																																																											



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. <b>NE027</b>		22. Page 3 of 3		Information in the shaded areas is not required by Federal law.																			
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066		25. US EPA ID Number ORD 987 173 457		L. State Manifest Document Number		M. State Generator's ID																			
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill		26. Transporter _____ Company Name		27. US EPA ID Number		N. State Transporter's ID		O. Transporter's Phone 541-454-2030																			
						P. State Transporter's ID		Q. Transporter's Phone																			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total		31. Unit																			
				No. Type		Quantity		Wt/Vol																			
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">GENERATOR</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 20px;">a.</td><td style="width: 100px; height: 40px;"></td></tr> <tr><td>b.</td><td style="height: 40px;"></td></tr> <tr><td>c.</td><td style="height: 40px;"></td></tr> <tr><td>d.</td><td style="height: 40px;"></td></tr> <tr><td>e.</td><td style="height: 40px;"></td></tr> <tr><td>f.</td><td style="height: 40px;"></td></tr> <tr><td>g.</td><td style="height: 40px;"></td></tr> <tr><td>h.</td><td style="height: 40px;"></td></tr> <tr><td>i.</td><td style="height: 40px;"></td></tr> </table> </div>				a.		b.		c.		d.		e.		f.		g.		h.		i.							
				a.																							
				b.																							
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				g.																							
				h.																							
i.																											
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above																					
32. Special Handling Instructions and Additional Information																											
33. Transporter _____ Acknowledgement of Receipt of Materials								Date																			
								Month Day Year <b>01 17 06</b>																			
34. Transporter _____ Acknowledgement of Receipt of Materials								Date																			
								Month Day Year																			
35. Discrepancy Indication Space																											





**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 18, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal: January 17, 2006  
Manifest #: NE027  
Container #: SAMU216086  
Profile #: 2369VC  
Pounds Disposed: 7440 lbs.  
Waste Type: Creosote Poles

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink, appearing to read 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

066774

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 311131  
DATE: 01/18/2006  
TIME: 07:08 - 07:08  
LOAD DATE: 01/11/2006  
TIP DATE: 01/17/2006

CUSTOMER: BRISTOL ENVIRONMENTAL

PROFILE: 2369VC / BRISTOL/US ARMY U

TRUCK: 601536

TRAILER: SAMU216086

ORIGIN: SAVOONGA / SAVOONGA

CONTAINER: 216086

COMMENT:

P.O.: 601536

GROSS: 49800 LBS

TARE: 42360 LBS

NET: 7440 LBS

MANIFEST: NE027

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST	1.00	U
SPWCM / SPECIAL WASTE COMINGLE (SPF	3.72	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver:

IN: VICKY MCKINNEY

B: ORARLI01PC

Weighmaster:

OUT: VICKY MCKINNEY

B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

JAN 17 AM 11:42

Nº 601536

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID:

WASTE TYPE:

DISPOSAL:

REMARKS:

HAULER:



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE028	2. Page 1 of 3
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066					
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental	
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID	
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID	
				D. Transporter 2 Phone 800-426-3113	
				E. State Facility's ID	
				F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
a. Material not regulated by DOT			No. 01	Type CM	28,000 P
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. BAKER BOX #PNWS 8147					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
ON BEHALF OF US ACE / POD:				Date	
Printed/Typed Name STEVE A. "SAM" MILLS		Signature S.A. Mills		Month Day Year 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name James P. Cunningham		Signature [Signature]		Month Day Year 8/27/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name Mike Anderson		Signature [Signature]		Month Day Year 11/17/05	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name Dicky McKenney				Signature [Signature]	
				Month Day Year 01/19/06	

NON-HAZARDOUS WASTE

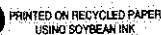
GENERATOR

TRANSPORTER

FACILITY



# GENERATOR



**ORIGINAL - RETURN TO GENERATOR**



<b>HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE028		22. Page 3 of 3		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066		24. Transporter 5 Company Name Columbia Ridge Landfill		25. US EPA ID Number ORD 987 173 457		L. State Manifest Document Number	
								M. State Generator's ID	
								N. State Transporter's ID	
								O. Transporter's Phone 541-454-2030	
								P. State Transporter's ID	
								Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name; Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
		No.	Type						
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name J. J. [Signature]				Signature [Signature]				Month Day Year 1/19/16	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name Carmela Hughes				Signature Carmela Hughes				Month Day Year 01/19/16	
35. Discrepancy Indication Space									



**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 19, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	January 19, 2006
Manifest #:	NE028
Container #:	PNWS8147
Profile #:	2320VC
Pounds Disposed:	26940 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script, reading 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*





**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

Nº 601476

DATE/TIME: JAN 19 AM 10:04  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / USACE  
PROFILE NUMBER: 2320VC  
TRUCK NUMBER: 723526  
TRAILER/CONTAINER NUMBER: PNLWS 8147  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE028

GROSS WEIGHT: 76720  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 49780  
NET WEIGHT: 26940

GATEHOUSE: KR  
DRIVER: Bob  
TRAIN ID: U00P09 ORIGIN: OX 951  
WASTE TYPE: solid w/ PCBs  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: VICKY MCKINNEY E: ORARL101PC

Weighmaster: \_\_\_\_\_  
OUT: VICKY MCKINNEY E: ORARL101PC

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 601476  
ORIGIN: SAV / SAVOCONA  
COMMENT: \_\_\_\_\_  
TRAILER: ENWS8147  
CONTAINER: ENWS8147

WASTE	NET/TONS	UNIT
TRANS/SPW / TRANS BY UNIT SPW	1.00	U
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U
PCSP / PCS COMINGLE - (PCP)	13.47	T

P.O.: 601476  
GROSS: 76720 LBS  
TARE: 49780 LBS  
NET: 26940 LBS  
MANIFEST: NE028

TICKET: 311754  
DATE: 01/19/2006  
TIME: 13:41 - 13:44  
LOAD DATE: 01/10/2006  
TIP DATE: 01/19/2006

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030

066902

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE029		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID		B. Transporter 1 Phone 800-426-3113	
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		E. State Facility's ID		F. Facility's Phone 541-454-2030	
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		22,440 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300.							
BAKER BOX # PNWS *** 8036							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF U.S. ACE / ROD:							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date Month Day Year 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date Month Day Year 8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature Mike Anderson		Date Month Day Year 11/14/05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Vicki McKenney				Signature Vicki McKenney		Date Month Day Year 1/11/06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. <b>NE029</b>		22. Page 2 of 3		Information in the shaded areas is not required by Federal law.							
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		24. Transporter 3 Company Name West Coast Trucking		25. US EPA ID Number WAH 000 016 683		L. State Manifest Document Number							
								M. State Generator's ID							
		26. Transporter 4 Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910				N. State Transporter's ID							
								O. Transporter's Phone 206-903-8300							
								P. State Transporter's ID							
								Q. Transporter's Phone 402-271-4400							
GENERATOR		28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total		31. Unit		R. Waste No.			
						No. Type		Quantity		Wt/Vol					
		a.													
		b.													
		c.													
		d.													
		e.													
		f.													
		g.													
		h.													
i.															
		S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above							
		32. Special Handling Instructions and Additional Information													
TRANSPORTER		33. Transporter Acknowledgement of Receipt of Materials												Date	
		Printed/Typed Name						Signature						Month Day Year	
FACILITY		34. Transporter Acknowledgement of Receipt of Materials												Date	
		Printed/Typed Name <b>L. SETH</b>						Signature						Month Day Year <b>11 9 1</b>	
		35. Discrepancy Indication Space													



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.			
		AKO 000 228 395		NE029		3 of 3					
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number									
		M. State Generator's ID									
24. Transporter 5 Company Name		25. US EPA ID Number		N. State Transporter's ID							
Columbia Ridge Landfill		ORD 987 173 457		O. Transporter's Phone 541-454-2030							
26. Transporter Company Name		27. US EPA ID Number		P. State Transporter's ID							
				Q. Transporter's Phone							
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total		31. Unit		R. Waste No.	
				No. Type		Quantity		Wt/Vol			
a.											
b.											
c.											
d.											
e.											
f.											
g.											
h.											
i.											
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information											
33. Transporter Acknowledgement of Receipt of Materials								Date			
Printed/Typed Name								Signature			
Carmela Hughes								Carmela Hughes			
34. Transporter Acknowledgement of Receipt of Materials								Date			
Printed/Typed Name								Signature			
								Month Day Year			
								Month Day Year			
35. Discrepancy Indication Space											



**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 20, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	January 19, 2006
Manifest #:	NE029
Container #:	PNWS8036
Profile #:	2320VC
Pounds Disposed:	22140 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink, reading 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*





**Oregon Waste Systems**  
**A Waste Management Company**  
 18177 Cedar Springs Lane  
 Arlington, Oregon 97812  
 (541) 454-2030

**Nº 601475**

JAN 19 AM 11:01

DATE/TIME: \_\_\_\_\_  
 LOAD DATE: \_\_\_\_\_  
 CUSTOMER: Bristol / USACE  
 PROFILE NUMBER: 2320 VC  
 TRUCK NUMBER: 769  
 TRAILER/CONTAINER NUMBER: PNLUS 8036  
 SEAL NUMBER: \_\_\_\_\_  
 CUSTOMER INVOICE NO.: NE029

GROSS WEIGHT: 70160  
 TARE WEIGHT-TRACTOR: \_\_\_\_\_  
 TARE WGT-TRAILER/CONTAINER: 48020  
 NET WEIGHT: 22140

GATEHOUSE: LR  
 DRIVER: Dan

TRAIN ID: USEP09 ORIGIN: OK 951  
 WASTE TYPE: wood / PCB's  
 DISPOSAL: CM DC BU GRID SEGREGATE  
 REMARKS: \_\_\_\_\_

HAULER: \_\_\_\_\_

Driver:  
 IN: VICKY MCKINNEY

E: ORAPLIO1PC

Weightmaster:  
 OUT: VICKY MCKINNEY

E: ORAPLIO1PC

WASTE  
 TRANSUSPM / TRANS BY UNIT SPW (ST)  
 PCSCP / PCS CONINGALE - (PCP)  
 LOC-U-SPW / LOCAL TRANS BY UNIT SPW

NET/TONS UNIT

1.00 U  
 11.07 T  
 1.00 U

CUSTOMER: BRISTOL ENVIRONMENTAL  
 PROFILE: 2320VC / BRISTOL ENV / US A  
 TRUCK: 601475  
 ORIGIN: SAV / SAVOOGNA  
 COMMENT:

TRAILER: PNWS8036  
 CONTAINER: PNWS8036

MANIFEST: NE029

P.O.: 601475  
 GROSS: 70160 LBS  
 TARE: 48020 LBS  
 NET: 22140 LBS

WM Columbia Ridge Landfill  
 18177 Cedar Springs Lane  
 Arlington, OR 97812  
 (541)-454-2030

TICKET: 311907  
 DATE: 01/20/2006  
 TIME: 08:53 - 08:59  
 LOAD DATE: 01/10/2006  
 TIF DATE: 01/19/2006

066957



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE030		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone (907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID		D. Transporter 2 Phone 800-426-3113	
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. Material not regulated by DOT				01 CM		33,660 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date <del>XXXX</del> 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. CONEX # KSCU 216275							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF LIS AGE/POD:				Date			
Printed/Typed Name STEVE A. "SAM" MILLS		Signature S.A. Mills		AGE/QAR		Month Day Year 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name James P. Cunningham		Signature J.P. Cunningham				Month Day Year 8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name MITCH ANDERSON		Signature Mitch Anderson				Month Day Year 11/14/05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Dicky McKinney				Signature Dicky McKinney		Date 9/22/06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		AKO 000 228 395		NE 030		2 of 3			
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number							
		M. State Generator's ID							
24. Transporter 3 Company Name		25. USEPA ID Number		N. State Transporter's ID					
West Coast Trucking		WAH 000 016 683		O. Transporter's Phone 206-903-8300					
26. Transporter 4 Company Name		27. USEPA ID Number		P. State Transporter's ID					
Union Pacific Railroad Co.		NED 001 792 910		Q. Transporter's Phone 402-271-4400					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit		R. Waste No.	
		No.	Type			Wt/Vol			
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above							
32. Special Handling Instructions and Additional Information									
TRANSPORTER	33. Transporter Acknowledgement of Receipt of Materials								Date
	Printed/Typed Name				Signature				Month Day Year
	Ralph T James				[Signature]				1 1 1
FACILITY	34. Transporter Acknowledgement of Receipt of Materials								Date
	Printed/Typed Name				Signature				Month Day Year
	[Signature]				[Signature]				1 1 4
35. Discrepancy Indication Space									

<b>HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No.  AKO 000 228 395	Manifest Document No.  NE 030	22. Page  3 of 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number	
				M. State Generator's ID	
24. Transporter 5 Company Name Columbia Ridge Landfill		25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID	
26. Transporter Company Name		27. US EPA ID Number		O. Transporter's Phone 541-454-2030	
				P. State Transporter's ID	
				Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers		30. Total Quantity
			No.	Type	
a.					31. Unit Wt/Vol
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above	
32. Special Handling Instructions and Additional Information					
33. Transporter Acknowledgement of Receipt of Materials					
Printed/Typed Name Carmela Hughes				Signature Carmela Hughes	
34. Transporter Acknowledgement of Receipt of Materials					
Printed/Typed Name				Signature	
Date					
Month Day Year					
35. Discrepancy Indication Space					



**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 20, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	January 19, 2006
Manifest #:	NE030
Container #:	FSCU216275
Profile #:	2320VC
Pounds Disposed:	33380 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink that reads 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



**Oregon Waste Systems**  
**A Waste Management Company**

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

Nº 601533

DATE/TIME: \_\_\_\_\_  
LOAD DATE: JAN 19 10:35  
CUSTOMER: Bristol/Usace  
PROFILE NUMBER: 232CVC  
TRUCK NUMBER: KSCU 709  
TRAILER/CONTAINER NUMBER: 216275  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: 19030

GROSS WEIGHT: 78000  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 44620  
NET WEIGHT: 33380

GATEHOUSE: KR  
DRIVER: Dan  
TRAIN ID: USC-10 ORIGIN: EX 451  
WASTE TYPE: SOLW/PCB'S  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: VICKY MCKINNEY B: ORARL101PC

Weightmaster: \_\_\_\_\_  
OUT: VICKY MCKINNEY B: ORARL101PC

WASTE: \_\_\_\_\_  
TRANSPW / TRANS BY UNIT SPW (ST)  
PCSCP / PCS CONTINGLE - (PCP)  
LOC-U-SPW / LOCAL TRANS BY UNIT SPW

NET/TONS UNIT  
1.00 U  
16.69 T  
1.00 U

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 232CVC / BRISTOL ENV / US A  
TRUCK: 601533  
ORIGIN: SAV / SAVCOGNA  
COMMENT: \_\_\_\_\_  
TRAILER: FSCU216275  
CONTAINER: KSCU216275  
MANIFEST: NE030  
P.O.: 601533  
GROSS: 78000 LBS  
TARE: 44620 LBS  
NET: 33380 LBS

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 311905  
DATE: 01/20/2006  
TIME: 08:52 - 08:52  
LOAD DATE: 01/11/2006  
TIP DATE: 01/19/2006

066956



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE031		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		29,180 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of Service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. CONEX# TRIU 274798							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF LIS ABE/POD:							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. MILLS		Date Month Day Year 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature James P. Cunningham		Date Month Day Year 8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature Mitch ANDERSON		Date Month Day Year 11/14/05	
19. Discrepancy Indication Space Yeroska Rzeskoj							
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Vince McKenney				Signature Vince McKenney		Date Month Day Year 01/10/06 01/19/06	

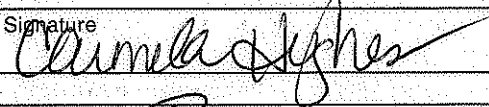

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No		22. Page		Information in the shaded areas is not required by Federal law.			
		AKO 000 228 395		NE031		2 of 3					
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number									
		M. State Generator's ID									
24. Transporter 3 Company Name West Coast Trucking		25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID							
				O. Transporter's Phone 206-903-8300							
26. Transporter 4 Company Name Union Pacific Railroad Co.		27. US EPA ID Number NED 001 792 910		P. State Transporter's ID							
				Q. Transporter's Phone 402-271-4400							
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.			
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above									
32. Special Handling Instructions and Additional Information											
33. Transporter 5 Acknowledgement of Receipt of Materials Printed/Typed Name Carmela Hughes		Signature 						Date Month Day Year 01/12/05			
34. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name Jeffery R. Reiskin		Signature 						Date Month Day Year 01/10/06			
35. Discrepancy Indication Space											



<b>HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  AK0 000 228 395		Manifest Document No.  <b>NE 031</b>		22. Page  3 of 3		Information in the shaded areas is not required by Federal law.			
		23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		25. US EPA ID Number  ORD 987 173 457		27. US EPA ID Number		L. State Manifest Document Number			
24. Transporter <u>5</u> Company Name  Columbia Ridge Landfill		26. Transporter _____ Company Name		25. US EPA ID Number		27. US EPA ID Number		M. State Generator's ID			
								N. State Transporter's ID			
								O. Transporter's Phone 541-454-2030			
								P. State Transporter's ID			
								Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
a. <input type="checkbox"/> HM											
b.											
c.											
d.											
e.											
f.											
g.											
h.											
i.											
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information											
33. Transporter _____ Acknowledgement of Receipt of Materials										Date	
Printed/Typed Name <i>h. s. o. m. a.</i>					Signature <i>[Signature]</i>					Month Day Year <i>1 10 16</i>	
34. Transporter _____ Acknowledgement of Receipt of Materials										Date	
Printed/Typed Name <i>Yakovlev, R. K.</i>					Signature <i>[Signature]</i>					Month Day Year <i>8 10 06</i>	
35. Discrepancy Indication Space											







**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 19, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal:	January 19, 2006
Manifest #:	NE031
Container #:	TRIU274798
Profile #:	2320VC
Pounds Disposed:	28820 lbs.
Waste Type:	Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script, reading 'Victoria McKinney'.

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



**Oregon Waste Systems**  
A Waste Management Company

18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

Nº 601534

JAN 19 AM 10:05

DATE/TIME:

LOAD DATE:

CUSTOMER:

PROFILE NUMBER:

TRUCK NUMBER:

TRAILER/CONTAINER NUMBER:

SEAL NUMBER:

CUSTOMER INVOICE NO.:

GROSS WEIGHT:

TARE WEIGHT-TRACTOR:

TARE WGT-TRAILER/CONTAINER:

NET WEIGHT:

GATEHOUSE:

DRIVER:

TRAIN ID:

ORIGIN:

WASTE TYPE:

DISPOSAL:

REMARKS:

HAULER:

*Bristol/Usace*  
*2320VC*  
*TR111*  
*274798*  
*NE031*

*73620*  
*44800*  
*28820*

*US981-10*  
*Soil w/PCB'S*  
*CM DC BU GRID SEGREGATE*

Driver: IN: VICKY MCKINNEY B: ORAR101PC  
Weldmaster: OUT: VICKY MCKINNEY B: ORAR101PC

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
PCSCP / FCS COMINGLE - (PCP)	14.41	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 601534  
ORIGIN: SAV / SANOOGMA  
COMMENT:  
TRAILER: TR11274798  
CONTAINER: TR11274798  
P.O.: 601534  
GROSS: 73620 LBS  
TARE: 44800 LBS  
NET: 28820 LBS  
MANIFEST: NE031

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030  
TICKET: 311757  
DATE: 01/19/2006  
TIME: 13:42 - 13:42  
LOAD DATE: 01/11/2006  
TIP DATE: 01/19/2006

066903

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE032		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 ) 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION  a. Material not regulated by DOT  b.  c.  d.				12. Containers		13. Total Quantity	
				No. Type		Unit	
				01 CM		38,025 P	
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. <div style="text-align: right;">CONEX # 335313</div>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name STEVE A. "SAM" MILLS				Signature S.A. Mills		Date 8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James R. Cunningham				Signature [Signature]		Date 8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name mitch ANDERSON				Signature [Signature]		Date 11/14/05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Dicky McKeary				Signature Dicky McKeary		Date 1/17/06	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



<b>HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		AK0 000 228 395		NE032		2 of 3			
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number							
		M. State Generator's ID							
24. Transporter 3 Company Name		25. US EPA ID Number		N. State Transporter's ID					
West Coast Trucking		WAH 000 016 683		O. Transporter's Phone 206-903-8300					
26. Transporter 4 Company Name		27. US EPA ID Number		P. State Transporter's ID					
Union Pacific Railroad Co.		NED 001 792 910		Q. Transporter's Phone 402-271-4400					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
		No.	Type						
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above							
32. Special Handling Instructions and Additional Information									
33. Transporter Acknowledgement of Receipt of Materials		Date							
Printed/Typed Name		Signature							
		Month Day Year							
34. Transporter Acknowledgement of Receipt of Materials		Date							
Printed/Typed Name		Signature							
		Month Day Year							
35. Discrepancy Indication Space									



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		AKO 000 228 395		NE032		3 of 3			
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number							
		M. State Generator's ID							
24. Transporter <u>5</u> Company Name		25. US EPA ID Number		N. State Transporter's ID					
Columbia Ridge Landfill		ORD 987 173 457		O. Transporter's Phone 541-454-2030					
26. Transporter _____ Company Name		27. US EPA ID Number		P. State Transporter's ID					
				Q. Transporter's Phone					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
		No.	Type						
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information									
TRANSPORTER	33. Transporter _____ Acknowledgement of Receipt of Materials								Date
	Printed/Typed Name <u>L. Satho</u>				Signature <u>[Signature]</u>				Month Day Year <u>1 8 9</u>
	34. Transporter <u>5</u> Acknowledgement of Receipt of Materials								Date
FACILITY	Printed/Typed Name <u>Carmela Hughes</u>				Signature <u>Carmela Hughes</u>				Month Day Year <u>01/17/06</u>
	35. Discrepancy Indication Space								





**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 17, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal: January 17, 2006  
Manifest #: NE032  
Container #: NONU335313  
Profile #: 2320VC  
Pounds Disposed: 37480 lbs.  
Waste Type: Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in black ink that reads "Victoria McKinney".

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

066772

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541)-454-2030

TICKET: 311117  
DATE: 01/17/2006  
TIME: 14:24 - 14:24  
LOAD DATE: 01/10/2006  
TIP DATE: 01/17/2006

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV/ US A  
TRUCK: 601477 TRAILER: NONU335313  
ORIGIN: SAV / SAVOOGNA CONTAINER: 335313  
COMMENT:

P.O.: 601477  
GROSS: 79880 LBS  
TARE: 42400 LBS  
NET: 37480 LBS  
MANIFEST: NE232

WASTE	NET/TONS	UNIT
TRANSUSPW / TRANS BY UNIT SPW (ST)	1.00	U
PCSCP / PCS COMINGLE -(PCP)	18.74	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPW	1.00	U

Driver: IN: VICKY MCKINNEY B: ORARLI01PC

Weighmaster: OUT: VICKY MCKINNEY B: ORARLI01PC

**Oregon Waste Systems**  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030



Nº 601477

DATE/TIME: \_\_\_\_\_  
LOAD DATE: \_\_\_\_\_  
CUSTOMER: Bristol / USACE  
PROFILE NUMBER: 2320 VC  
TRUCK NUMBER: 709  
TRAILER/CONTAINER NUMBER: NONU 335313  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE 032

GROSS WEIGHT: 79880  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 42400  
NET WEIGHT: 37480

GATEHOUSE: UR  
DRIVER: Dan  
TRAIN ID: 1000109 ORIGIN: OK 951  
WASTE TYPE: WWT w/ PCBs  
DISPOSAL: CW/DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE033		2. Page 1 of 3	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT. WAINWRIGHT, AK 99703-0066							
4. Generator's Phone ( 907 353-7850				c/o Bristol Environmental			
5. Transporter 1 Company Name Northland Services		6. US EPA ID Number WAD 981 773 005		A. State Transporter's ID			
7. Transporter 2 Company Name Northland Services		8. US EPA ID Number WAD 981 773 005		B. Transporter 1 Phone 800-426-3113			
9. Designated Facility Name and Site Address Columbia Ridge Recycling & Landfill 18177 Cedar Springs Lane Arlington, OR 97812		10. US EPA ID Number ORD 987 173 457		C. State Transporter's ID			
				D. Transporter 2 Phone 800-426-3113			
				E. State Facility's ID			
				F. Facility's Phone 541-454-2030			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. Material not regulated by DOT				01 CM		19,765 P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Soil containing polychlorinated biphenyls. PCB out of service date 07/16/05. Profile No. 2320VC				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl BEESC, 2000 W. International Airport Rd., C-1, Anchorage, AK 99502. In case of emergency, contact CHEMTREC at 800-424-9300. CONEX.# 339465							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
ON BEHALF OF US ACE/POD:				Date			
Printed/Typed Name STEVE A. "SAM" MILLS		Signature [Signature]		Month 8		Day Year 24 05	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name James P. Cunningham		Signature [Signature]		Month 8		Day Year 27 05	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name Mike Anderson		Signature [Signature]		Month 11		Day Year 14 05	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name Alex Boronja				Signature [Signature]		Date	
				Month 01		Day Year 10 06	



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.			
		AKO 000 228 395		NEO33		2 of 3					
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number									
		M. State Generator's ID									
24. Transporter 3 Company Name		25. US EPA ID Number		N. State Transporter's ID							
West Coast Trucking		WAH 000 016 683		O. Transporter's Phone 206-903-8300							
26. Transporter 4 Company Name		27. US EPA ID Number		P. State Transporter's ID							
Union Pacific Railroad Co.		NED 001 792 910		Q. Transporter's Phone 402-271-4400							
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
				No. Type							
a.											
b.											
c.											
d.											
e.											
f.											
g.											
h.											
i.											
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information											
33. Transporter Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Date		
K. S. H. W.									Month Day Year 1/10/06		
34. Transporter Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Date		
ALEX BOROWIA									Month Day Year 01/10/06		
35. Discrepancy Indication Space											



<b>HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		AK0 000 228 395		NE033		3 of 3			
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066		L. State Manifest Document Number							
		M. State Generator's ID							
24. Transporter 5 Company Name		25. US EPA ID-Number		N. State Transporter's ID					
Columbia Ridge Landfill		ORD 987 173 457		O. Transporter's Phone 541-454-2030					
26. Transporter Company Name		27. US EPA ID Number		P. State Transporter's ID					
				Q. Transporter's Phone					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
		No.	Type						
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information									
TRANSPORTER FACILITY	33. Transporter Acknowledgement of Receipt of Materials								Date
	Printed/Typed Name				Signature				Month Day Year
	Carmela Hughes				Carmela Hughes				01/17/06
	34. Transporter Acknowledgement of Receipt of Materials								Date
	Printed/Typed Name				Signature				Month Day Year
	ALEX BOROVIA				[Signature]				01/10/06
35. Discrepancy Indication Space									



**COLUMBIA RIDGE LANDFILL**

18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3312 Fax

January 17, 2006

Bristol Environmental  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1117  
Attn: Patricia Curl

**CERTIFICATE OF DISPOSAL**

Waste Management, Inc. dba Columbia Ridge Landfill has received NON HAZARDOUS Waste material from US Army USACE Northeast Cape on behalf of Bristol Environmental.

Date of Disposal: January 17, 2006  
Manifest #: NE033  
Container #: NONU339465  
Profile #: 2320VC  
Pounds Disposed: 20800 lbs.  
Waste Type: Soil With PCB's

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

A handwritten signature in cursive script that reads "Victoria McKinney".

Victoria McKinney  
Special Waste Billing Department

*From everyday collection to environmental protection, Think Green®. Think Waste Management.*



Oregon Waste Systems  
A Waste Management Company  
18177 Cedar Springs Lane  
Arlington, Oregon 97812  
(541) 454-2030

Nº 601535

JAN 17 AM 9:18

DATE/TIME: \_\_\_\_\_  
LOAD DATE: Bristol/Usace  
CUSTOMER: 2320VC  
PROFILE NUMBER: 709  
TRUCK NUMBER: Nonu  
TRAILER/CONTAINER NUMBER: 339405  
SEAL NUMBER: \_\_\_\_\_  
CUSTOMER INVOICE NO.: NE033

GROSS WEIGHT: 63340  
TARE WEIGHT-TRACTOR: \_\_\_\_\_  
TARE WGT-TRAILER/CONTAINER: 42540  
NET WEIGHT: 20800

GATEHOUSE: KR  
DRIVER: Dan  
TRAIN ID: USEGP-10 ORIGIN: EX 951  
WASTE TYPE: SOIL W/ PCB'S  
DISPOSAL: CM DC BU GRID SEGREGATE  
REMARKS: \_\_\_\_\_  
HAULER: \_\_\_\_\_

Driver: \_\_\_\_\_  
IN: VICKY MCKINNEY E: ORANL101PC

Weightmaster: \_\_\_\_\_  
OUT: VICKY MCKINNEY E: ORANL101PC

WASTE	NET/TONS	UNIT
TRANSUSEW / TRANS BY UNIT SPM	1.00	U
PCSCF / PCS CONTINGLE - (PCP)	10.40	T
LOC-U-SPW / LOCAL TRANS BY UNIT SPM	1.00	U

CUSTOMER: BRISTOL ENVIRONMENTAL  
PROFILE: 2320VC / BRISTOL ENV / US A  
TRUCK: 601535  
ORIGIN: SAV / SAVOCONA  
COMMENT: \_\_\_\_\_  
TRAILER: NONU339465  
CONTAINER: 339465  
P.O.: 601535  
GROSS: 63340 LBS  
TARE: 42540 LBS  
NET: 20800 LBS  
MANIFEST: NE033

WM Columbia Ridge Landfill  
18177 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
TICKET: 31118  
DATE: 01/17/2006  
TIME: 14:24 - 14:25  
LOAD DATE: 01/11/2006  
TIF DATE: 01/17/2006

066773

383252

VQ

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE034		2. Page 1 of 3		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066						A. State Manifest Document Number							
						B. State Generator's ID							
4. Generator's Phone ( 907 ) 353-7850						C. State Transporter's ID							
5. Transporter 1 Company Name NORTHLAND SERVICES				6. US EPA ID Number WAD 981 773 005		D. Transporter's Phone 800-426-3113							
7. Transporter 2 Company Name NORTHLAND SERVICES				8. US EPA ID Number WAD 981 773 005		E. State Transporter's ID							
9. Designated Facility Name and Site Address Chemical Waste Management of the NW 17629 Cedar Springs Lane Arlington, OR 97812				10. US EPA ID Number ORD 089 452 353		F. Transporter's Phone 800-426-3113							
						G. State Facility's ID							
						H. Facility's Phone 541-454-2030							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. RQ Environmentally hazardous substance, solid, n.o.s. (polychlorinated biphenyls), 9, UN3077, PG III ERG # (171)						1. CM		32,980 14765		P K		X002	
b. RECEIVED								11/11/2-1306				11/11/2-1306	
c. MAR 02 2006													
d. BRISTOL													
J. Additional Descriptions for Materials Listed Above Soil containing polychlorinated Biphenyls. PCB out of service date 07/16/05. Profile #C28904						K. Handling Codes for Wastes Listed Above L12, 32550P, 14765K							
15. Special Handling Instructions and Additional Information Send final Manifest and Certificate of Disposal to the generator's agent: Patricia Curl, BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency, contact Chemtrec at 800-424-9300. BAKER BOX# PNWS 8055													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										ON BEHALF OF LISACOE/POD			
Printed/Typed Name STEVE A. "SAM" MILLS						Signature [Signature]		Month Day Year 10/12/10					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name James R. Cunningham		Signature [Signature]		Month Day Year 10/12/10			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name Mike Anderson		Signature [Signature]		Month Day Year 11/11/10			
19. Discrepancy Indication Space I added waste code per Patricia Curl / Bristol. unit wt/vol per Patricia Curl / Bristol.													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name Janice Strand		Signature [Signature]		Month Day Year 10/21/10			

BMS



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE034		22. Page 2 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066				L. State Manifest Document Number			
24. Transporter 3 Company Name West Coast Trucking				25. US EPA ID Number WAH 000 016 683		M. State Generator's ID	
26. Transporter 4 Company Name Union Pacific Railroad Co.				27. US EPA ID Number NED 001 792 910		N. State Transporter's ID	
						O. Transporter's Phone 206-903-8300	
						P. State Transporter's ID	
						Q. Transporter's Phone 402-271-4400	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
				No.	Type		
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information							
33. Transporter 3 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name PA ROSIA RZLISKI						Month Day Year 02 10 10	
34. Transporter 4 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name Seth						Month Day Year 02 10 10	
35. Discrepancy Indication Space 21- Added manifest document no. per Patricia Curl/Bristol mmm 2-16-04							



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039.

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE034		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter <u>5</u> Company Name Columbia Ridge Landfill			25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID		
26. Transporter _____ Company Name			27. US EPA ID Number		O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 02 13 06
34. Transporter _____ Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							



# MANIFEST - MANIFESTE

This Manifest conforms to all Federal and Provincial transport and environmental legislation requiring manifesting.  
Ce manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport, requérant un manifeste.

Manifest Reference No.  
N° de référence du manifeste

2352851-6

<b>A Consignor (Generator)</b> <b>Expéditeur (Producteur)</b> Provincial ID No. / N° d'id. provincial AK0 000 228 395 Company name / Nom de l'entreprise USARMY USACE NORTHEAST CAPE Mailing address / Adresse postale City / Ville Province Postal code / Code postal P.O. Box 35066, Ft. Wainwright, AK 99703 Shipping site address / Origine de l'expédition Kangukhsam TM 52.5 mi ESE of Savoonga City / Ville Province Postal code / Code postal Savoonga AK 99769		<b>B Carrier</b> <b>Transporteur</b> Provincial ID No. / N° d'id. provincial WAD 981773 005 Company name / Nom de l'entreprise Northland Services Address / Adresse 110 Prefontaine Pl. South, Suite 600 City / Ville Prov. Postal code / Code postal Seattle WA 98104 Vehicle / Véhicule Trailer/Rail Car No. 1 1 <sup>er</sup> remorque - wagon Trailer/Rail Car No. 2 2 <sup>e</sup> remorque - wagon Point of entry Point d'entrée Point of exit Point de sortie Carrier Certification: I declare that I have received waste as offered by the consignor in Part A for delivery to the intended consignee and that the information contained in Part B is complete and correct. / Déclaration du transporteur: J'atteste avoir reçu les déchets offerts par l'expéditeur dans la partie A en vue de leur livraison au destinataire choisi et que les renseignements inscrits à la partie B sont exacts et complets. Year / Année Month / Mois Day / Jour Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél.		<b>C Consignee (Receiver)</b> <b>Destinataire (Réceptionnaire)</b> Provincial ID No. / N° d'id. provincial Consignee information same as Intended Consignee in Part A L'information à fournir par le destinataire est la même qu'en A <input type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the boxed area below Non, compléter la boîte ci-dessous Company name / Nom de l'entreprise Address / Adresse City / Ville Province Postal code / Code postal Receiving site address / Destination de l'expédition City / Ville Province Postal code / Code postal Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. Quantity received Quantité reçue Units L or kg unités Identify any shipment discrepancy problems. Attach addendum if necessary. / Indiquer toute différence relative à l'expédition. Annexer une feuille au besoin. Handling code Code de manutention Decontamination / Décontamination Packaging / Emballage Contents / Contenu Vehicle / Véhicule Yes / Oui No / Non	
Intended consignee Destinataire prévu Chemical Waste Management of the NW Oregon SWP 391 Address / Adresse City / Ville Province Postal code / Code postal 17629 Cedar Springs Lane Receiving site address / Destination de l'expédition SAME City / Ville Province Postal code / Code postal Arlington OR 97812		Waste identification Identification du déchet Shipping name of waste Appellation réglementaire du déchet Environmentally hazardous substance, solid, N.O.S. (polychlorinated biphenyls) Provincial No. / N° (Quebec-Ontario only) (Quebec-Ontario seul) TDGA/PIN LTMD/NIP UN3077 Quantity shipped Quantité expédiée 14,960 Units L or kg unités kg Classification 9 III Packing group Groupe d'emballage I Packaging Contents No. Nbre 1 Codes int-ext 03		Special handling/Emergency instructions Manutention spéciale/instructions d'urgence <input type="checkbox"/> Attached Ci-jointes <input type="checkbox"/> Below Ci-dessous Circulation no. - Quebec only N° de circulation - Réservée au Québec Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour Consignor Certification: I declare that the information contained in Part A is correct and complete. / Déclaration de l'expéditeur: Je déclare que tous les renseignements à la partie A sont véridiques et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) STEVE A. "SAM" MILLS Signature OF US ACE / Signature OF US ACE Tel. no. / N° de tél. 907 353-6140	



# MANIFEST - MANIFESTE

This Manifest conforms to all Federal and Provincial transport and environmental legislation requiring manifesting.  
Ce manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport, requérant un manifeste.

Manifest Reference No.  
N° de référence du manifeste

2352851-6

<b>A Consignor (Generator)</b> <b>Expéditeur (Producteur)</b> Provincial ID No. / N° d'id. provincial <b>AKO 000 228 395</b> Company name / Nom de l'entreprise <b>USARMY USACE NORTHEAST CAPE</b> Mailing address / Adresse postale City / Ville Province Postal code / Code postal <b>P.O. Box 35066, Ft. Wainwright, AK 99708</b> Shipping site address / Origine de l'expédition <b>Kangukhsam TM 52.5 mi ESE of Savoonga</b> City / Ville Province Postal code / Code postal <b>Savoonga AK 99769</b> Intended consignee Destinataire prévu <b>Chemical Waste</b> <b>Management of the NW Oregon SWP 391</b> Address / Adresse City / Ville Province Postal code / Code postal <b>17629 Cedar Springs Lane</b> Receiving site address / Destination de l'expédition <b>SAME</b> City / Ville Province Postal code / Code postal <b>Arlington OR 97812</b>		<b>B Carrier</b> <b>Transporteur</b> Provincial ID No. / N° d'id. provincial <b>WAD 981773 005</b> Company name / Nom de l'entreprise <b>Northland Services</b> Address / Adresse <b>110 Prefontaine Pl. South, Suite 600</b> City / Ville Prov. Postal code / Code postal <b>Seattle WA 98104</b> Registration No. / N° d'immatriculation Prov. Vehicle / Véhicule Trailer/Rail Car No. 1 1 <sup>re</sup> remorque - wagon Trailer/Rail Car No. 2 2 <sup>e</sup> remorque - wagon Point of entry Point d'entrée Point of exit Point de sortie Carrier Certification: I declare that I have received waste as offered by the consignor in Part A for delivery to the intended consignee and that the information contained in Part B is complete and correct. / Déclaration du transporteur: J'atteste avoir reçu les déchets offerts par l'expéditeur dans la partie A en vue de leur livraison au destinataire choisi et que les renseignements inscrits à la partie B sont exacts et complets. Year / Année Month / Mois Day / Jour Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél. ( )		<b>C Consignee (Receiver)</b> <b>Destinataire</b> <b>(Réceptionnaire)</b> Provincial ID No. / N° d'id. provincial <b>AKO 009 452 353</b> Consignee information same as Intended Consignee in Part A L'information à fournir par le destinataire est la même qu'en A <input checked="" type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the boxed area below Non, compléter la boîte ci-dessous Company name / Nom de l'entreprise Address / Adresse City / Ville Province Postal code / Code postal Receiving site address / Destination de l'expédition City / Ville Province Postal code / Code postal Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure <b>06 02 13 10:14</b> AM <input type="checkbox"/> P.M.	
Physical state État physique <b>S</b> Shipping name of waste Appellation réglementaire du déchet <b>Environmentally hazardous substance, solid, N.O.S. (polychlorinated biphenyls)</b> Waste identification Identification du déchet Provincial No. / N° (Quebec-Ontario only) (Quebec-Ontario seul) <b>UN3077</b> TDGA/PIN LTMD/NIP <b>14,960</b> Quantity shipped Quantité expédiée <b>kg</b> Units L or ou kg unités <b>9</b> Classification <b>III</b> Packing group Groupe d'emballage <b>I</b> Packaging Containers Conteneurs <b>03</b>		Quantity received Quantité reçue <b>14765</b> Units L or ou kg unités <b>kg</b> Identify any shipment discrepancy problems. Attach addendum if necessary. / Indiquer toute différence relative à l'expédition. Annexer une feuille au besoin. Handling code Code de manutention <b>06</b> Decontamination Décontamination Packaging Containers Conteneurs <b>X</b> Vehicle Véhicule <b>X</b>			
Special handling/Emergency instructions Manutention spéciale/instructions d'urgence <input type="checkbox"/> Attached Ci-jointes <input type="checkbox"/> Below Ci-dessous Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour Consignor Certification: I declare that the information contained in Part A is correct and complete. Déclaration de l'expéditeur: Je déclare que tous les renseignements à la partie A sont vérifiés et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) <b>STEVE A. "SAM" MILLS</b> Signature <b>ON BEHALF OF USACE /</b> <b>SA M</b> Tel. no. / N° de tél. <b>907 353-6140</b>		If handling code "Other" (specify) Si code de manutention "divers", spécifier If waste to be transferred, specify intended company name / Si les déchets doivent être transférés, préciser le nom du destinataire Provincial ID No. / N° d'id. provincial Address / Adresse City / Ville Prov. Consignee Certification: I declare that the information contained in Part C is correct and complete. Déclaration du destinataire: Je déclare que tous les renseignements à la partie C sont vérifiés et complets. Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) <b>James Stand</b> Tel. no. / N° de tél. <b>541 454 2643</b>			



**CHEMICAL WASTE MANAGEMENT  
OF THE NORTHWEST**

17629 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3279 Fax

US ARMY CORPS OF ENGINEERS  
AK0000228395  
KANGUKHSAM MT 52.25 MI ESE  
SAVOONGA AK 99769

**CERTIFICATE OF DISPOSAL**

Chemical Waste Management of the Northwest, Inc. has received the following waste material and certifies that the material has been landfilled in accordance with 40 CFR part 761 as it pertains to the land disposal of Polychlorinated Biphenyl contaminated materials.

GENERATOR:	US ARMY CORPS OF ENGINEERS
MANIFEST #:	NE034
LINE ITEM:	11a
PROFILE #:	C28904
CWM TRACKING ID:	383252-01
DATE RECEIVED:	02/13/06
DISPOSAL PROCESS(ES):	LANDFILL
FINAL DISPOSAL LOCATION:	LANDFILL 12
DISPOSAL DATE:	02/13/06
CONTAINER #:	1 CM

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

*Becky Sumner*

CWMNW RECORDS DEPARTMENT  
Date

02/21/06

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. AK0 000 228 395		Manifest Document No. NE036		2. Page 1 of 3 Information in the shaded areas of 3 is not required by Federal law.	
3. Generator's Name and Mailing Address USARMY USACE NORTHEAST CAPE PO BOX 35066 FT. WAINWRIGHT, AK 99703-0066						A. State Manifest Document Number	
4. Generator's Phone						B. State Generator's ID	
5. Transporter 1 Company Name Northland Services				6. US EPA ID Number WAD 981 773 005		C. State Transporter's ID	
7. Transporter 2 Company Name Northland Services				8. US EPA ID Number WAD 981 773 005		D. Transporter's Phone 800-426-3113	
9. Designated Facility Name and Site Address Chemical Waste Management of the NW 17629 Cedar Springs Lane Arlington, OR 97812				10. US EPA ID Number ORD Q89 452 353		E. State Transporter's ID	
						F. Transporter's Phone 800-426-3113	
						G. State Facility's ID	
						H. Facility's Phone 541-454-2030	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers	
						No. Type	
a. <b>RM</b> Environmentally hazardous substance, solid N.O.S. (Lead), 9, UN3077, PG III, ERG #(171)						1 1 CM	
b.						mini-1600	
c.							
d.							
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above	
a. Demolition debris ash containing lead. <del>XXXXXX</del> Profile #C19799.						544A, 36650P, 10.33T	
15. Special Handling Instructions and Additional Information Send Final Manifest and Certificate of Disposal to the generators agent: Patricia Curl BEESC, 2000 W. International Airport Rd., #C-1, Anchorage, AK 99502. In case of emergency contact CHEMTREC at 800-424-9300. BAKER BOX# PNWS 8073							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. ON BEHALF OF US ARMY/AF/ACF							
Printed/Typed Name Steve A. "SAM" Mills				Signature S.A. Mills		Month Day Year 10/8/24/05	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name James P. Cunningham				Signature James P. Cunningham		Month Day Year 10/8/24/05	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name M. H. H. H.				Signature M. H. H. H.		Month Day Year 11/1/24/05	
19. Discrepancy Indication Space mini-1600 Ba- Added total quantity per Patricia Curl Bristol.							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name James Strand				Signature James Strand		Month Day Year 10/11/24/05	



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<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AKO 000 228 395		Manifest Document No. NE 036		22. Page 2 of 3		Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066						L. State Manifest Document Number			
24. Transporter 3 Company Name West Coast Trucking						25. US EPA ID Number WAH 000 016 683		N. State Transporter's ID	
26. Transporter 4 Company Name Union Pacific Railroad Co.						27. US EPA ID Number NED 001 792 910		O. Transporter's Phone 206-903-8300	
								P. State Transporter's ID	
								Q. Transporter's Phone 402-271-4400	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						29. Containers		30. Total Quantity	
a. <input type="checkbox"/> HM						No. Type		31. Unit Wt/Vol	
b. <input type="checkbox"/>								R. Waste No.	
c. <input type="checkbox"/>									
d. <input type="checkbox"/>									
e. <input type="checkbox"/>									
f. <input type="checkbox"/>									
g. <input type="checkbox"/>									
h. <input type="checkbox"/>									
i. <input type="checkbox"/>									
S. Additional Descriptions for Materials Listed Above						T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information									
33. Transporter 3 Acknowledgement of Receipt of Materials						Date			
Printed/Typed Name Ephraim Demiccie						Signature Ephraim Demiccie		Month Day Year 01/09/06	
34. Transporter 4 Acknowledgement of Receipt of Materials						Date			
Printed/Typed Name L. Smith						Signature L. Smith		Month Day Year 1/19/06	
35. Discrepancy Indication Space 33-Added transporter 3 date per Kim Dightman/ West Coast Trucking. num 1-25-06									



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<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. AK0 000 228 395	Manifest Document No. NE036		22. Page 3 of 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name USARMY USACE NORTHEAST CAPE PO BOX 35066, FT WAINWRIGHT, AK 99703-0066					L. State Manifest Document Number		
					M. State Generator's ID		
24. Transporter 5 Company Name Columbia Ridge Landfill			25. US EPA ID Number ORD 987 173 457		N. State Transporter's ID		
26. Transporter Company Name					O. Transporter's Phone 541-454-2030		
					P. State Transporter's ID		
					Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					29. Containers	30. Total Quantity	31. Unit Wt/Vol
					No.	Type	R. Waste No.
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information							
33. Transporter 5 Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name Carmela Hughes					Signature Carmela Hughes		Month Day Year 01/12/06
34. Transporter Acknowledgement of Receipt of Materials					Date		
Printed/Typed Name					Signature		Month Day Year
35. Discrepancy Indication Space							



# MANIFEST - MANIFESTE

This Manifest conforms to all Federal and Provincial transport and environmental legislation requiring manifesting.  
Ce manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport, requérant un manifeste.

Manifest Reference No.  
N° de référence du manifeste

2358325-5

<b>A Consignor (Generator)</b> <b>Expéditeur (Producteur)</b> Provincial ID No. / N° d'id. provincial <b>AKO 000 228 395</b> Company name / Nom de l'entreprise <b>USARMY USACE NORTHEAST CAPE</b> Mailing address / Adresse postale City / Ville Province Postal code / Code postal <b>P.O. Box 35066, Ft. Wainwright, AK 99703</b> Shipping site address / Origine de l'expédition <b>Kangukhsam TM 52.5 mi ESE of Savoonga</b> City / Ville Province Postal code / Code postal <b>Savoonga AK 99769</b> Intended consignee Destinataire prévu <b>Chemical Waste</b> <b>Management of the NW Oregon SWP 391</b> Address / Adresse City / Ville Province Postal code / Code postal <b>17629 Cedar Springs Lane</b> Receiving site address / Destination de l'expédition <b>SAME</b> City / Ville Province Postal code / Code postal <b>Arlington OR 97812</b>		<b>B Carrier</b> <b>Transporteur</b> Provincial ID No. / N° d'id. provincial <b>WAD 981773 005</b> Company name / Nom de l'entreprise <b>Northland Services</b> Address / Adresse <b>110 Prefontaine Pl. South, Suite 600</b> City / Ville Prov. Postal code / Code postal <b>Seattle WA 98104</b> Registration No. / N° d'immatriculation Prov. Vehicle / Véhicule Trailer/Rail Car No. 1 1 <sup>re</sup> remorque - wagon Trailer/Rail Car No. 2 2 <sup>re</sup> remorque - wagon Point of entry Point d'entrée Point of exit Point de sortie Carrier Certification: I declare that I have received waste as offered by the consignor in Part A for delivery to the intended consignee and that the information contained in Part B is complete and correct. / Déclaration du transporteur: J'atteste avoir reçu les déchets offerts par l'expéditeur dans la partie A en vue de leur livraison au destinataire choisi et que les renseignements inscrits à la partie B sont exacts et complets. Year / Année Month / Mois Day / Jour Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. No. / N° de tél. ( )		<b>C Consignee (Receiver)</b> <b>Destinataire</b> <b>(Réceptionnaire)</b> Provincial ID No. / N° d'id. provincial Consignee information same as Intended Consignee in Part A L'information à fournir par le destinataire est la même qu'en A <input type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the boxed area below Non, compléter la boîte ci-dessous Company name / Nom de l'entreprise Address / Adresse City / Ville Province Postal code / Code postal Receiving site address / Destination de l'expédition City / Ville Province Postal code / Code postal Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. Quantity received Quantité reçue Units L or ou kg unites Identify any shipment discrepancy problems. Attach addendum if necessary. / Indiquer toute différence relative à l'expédition. Annexer une feuille au besoin. Handling code Code de manutention Decontamination Décontamination Vehicle Véhicule Yes Oui No Non			
Physical state État physique <b>S</b> Shipping name of waste Appellation réglementaire du déchet <b>Environmentally hazardous substance, solid, N.O.S. (Lead)</b>		Waste identification Identification du déchet Provincial No. / N° (Quebec-Ontario only) (Québec-Ontario seul) <b>UN3077</b> TDGA/PIN LTMD/NIP Quantity shipped Quantité expédiée <b>kg</b> Units L or ou kg unites <b>9</b> Classification <b>III</b> Packing group Groupe d'emballage <b>I</b> Packaging Conteneurs <b>03</b>		Special handling/Emergency instructions Manutention spéciale/instructions d'urgence <input type="checkbox"/> Attached Ci-jointes <input type="checkbox"/> Below Ci-dessous Circulation no. - Quebec only N° de circulation - Réservée au Québec Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour Time / Heure <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour Consignor Certification: I declare that the information contained in Part A is correct and complete. Déclaration de l'expéditeur: Je déclare que tous les renseignements à la partie A sont vérifiées et complets. Name of authorized person (print) Nom de l'agent autorisé (caractères d'imprimerie) <b>STEVE A. "SAM" MILLIS</b> Signature <b>S.A. Mills</b> Tel. no. / N° de tél. <b>907 353-6140</b>		If handling code "Other" (specify) Si code de manutention "divers" spécifier If waste to be transferred, specify intended company name / Si les déchets doivent être transférés, préciser le nom du destinataire Provincial ID No. / N° d'id. provincial Address / Adresse City / Ville Prov. Consignee Certification: I declare that the information contained in Part C is correct and complete. Déclaration du réceptionnaire: Je déclare que tous les renseignements à la partie C sont vérifiées et complets. Name of authorized person (print) / Nom de l'agent autorisé (caractères d'imprimerie) Signature Tel. no. / N° de tél. ( )	



Die folgenden Aussagen sind richtig (R) oder falsch (F) zu bezeichnen. Jede richtige Antwort ist mit einem Punkt (1 Punkt) zu bewerten. Jede falsche Antwort ist mit einem Minuszeichen (-1 Punkt) zu bewerten. Die Gesamtpunktzahl beträgt 10 Punkte.

Die folgenden Aussagen sind richtig (R) oder falsch (F) zu bezeichnen. Jede richtige Antwort ist mit einem Punkt (1 Punkt) zu bewerten. Jede falsche Antwort ist mit einem Minuszeichen (-1 Punkt) zu bewerten. Die Gesamtpunktzahl beträgt 10 Punkte.

225434-5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

[illegible][illegible][illegible]

# Country of Canada & Government of the West



**CHEMICAL WASTE MANAGEMENT  
OF THE NORTHWEST**

17629 Cedar Springs Lane  
Arlington, OR 97812  
(541) 454-2030  
(541) 454-3279 Fax

US ARMY CORPS OF ENGINEERS  
AK0000228395  
KANGUKHSAM MT 52.25 MI ESE  
SAVOONGA AK 99769

**CERTIFICATE OF DISPOSAL**

Chemical Waste Management of the Northwest, Inc. has received the following waste material:

GENERATOR:	US ARMY CORP OF ENGINEERS
MANIFEST #:	NE036
LINE ITEM:	11a
PROFILE #:	C19799
CWM TRACKING ID:	382833-01
RECEIVED DATE:	01/12/2006
DISPOSAL PROCESS(ES):	STABILIZATION FOLLOWED BY LANDFILL
DISPOSAL DATE:	01/18/2006
FINAL DISPOSAL LOCATION:	LANDFILL 12
QUANTITY:	1 CM

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste material was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

*Nicol D. Wycaver*

CWMNW RECORDS DEPARTMENT

Date 01/30/2006

**RECEIVED**  
FEB 08 2006  
BRISTOL

*From everyday collection to environmental protection, Think Green® Think Waste Management.*



## **ATTACHMENT 3**

### **Exception Report**



111 W. 16<sup>th</sup> Avenue, Suite 301  
Anchorage, AK 99501-5109  
907-563-0013 Phone  
907-563-6713 Fax

November 7, 2005

Ms. Xiang-Yu Ge  
U.S. Environmental Protection Agency  
Region X  
1200 Sixth Avenue (S.O. 141)  
Seattle, WA 98101

**Subject: Exception Report for USARMY USACE Northeast Cape  
EPA ID# AK0 000 228 395**

Dear Ms. Yu Ge:

In reference to 40 CFR 262.42, the waste material described by the following Hazardous Waste Manifests have not yet arrived at the Treatment, Storage, and Disposal Facility (TSDF) listed on each manifest:

Manifest No.	Waste Type	TSDF	Transporter Date
NE034	PCB-contaminated soil (greater than 50 parts per million)	Chemical Waste Management	9/27/05
NE036	Ash with lead	Chemical Waste Management	9/27/05

A copy of each manifest is attached. These hazardous wastes were shipped from the U.S. Army Corps of Engineers former White Alice Site on Northeast Cape. St. Lawrence Island, Alaska. The waste materials are currently in route from Alaska to Seattle, Washington and are anticipated to arrive in Seattle on November 9, 2005. These wastes will be delivered to the TSDF by mid month.

If you need further information or have questions relating to this issue, please contact me.

Sincerely,

## **APPENDIX D**

### **Survey Data Summary Tables**

## ATTACHMENT 01 TO BCD CASE 1, W911KB-04-C-0019

Table 2. Northeast Cape - 2005 PCB Excavation Area Corner Coordinates

LABEL	XCOORD	YCOORD
31-1	97395.18647	95836.94862
31-2	97421.85357	95855.24348
31-3	97427.90018	95846.87126
31-4	97411.93093	95835.70829
31-5	97417.66745	95827.33606
31-6	97407.12465	95820.04912
31-7	97412.55109	95812.60714
31-8	97429.76067	95824.70036
31-9	97424.48927	95831.52217
31-10	97439.37323	95831.36713
31-11	97377.35673	95823.92515
31-12	97383.24829	95815.86300
31-13	97366.96896	95804.70003
31-14	97361.23243	95812.60714
31-15	97377.97689	96061.29333
31-16	97377.04664	96071.52605
31-17	97387.58945	96072.30126
31-18	97388.05457	96062.22357
14-1	95560.32577	97725.45702
14-2	95565.27414	97725.99684
14-3	95565.81396	97721.00349
14-4	95560.82061	97720.50865
14-5	95564.37444	97731.84491
14-6	95563.69966	97736.83826
14-7	95571.61705	97737.82794
14-8	95572.24684	97732.83458
13-1	96101.98442	98213.23780
13-2	96103.03854	98205.72723
13-3	96094.34209	98204.54135
13-4	96095.39621	98194.65903
13-5	96080.63860	98192.41903
13-6	96078.26684	98210.07545
13-7	96077.47626	98218.64014
13-8	96101.06207	98221.53895
13-9	96105.41030	98185.04023
13-10	96087.88564	98182.80024
13-11	96081.82448	98181.35083
13-12	96077.47626	98180.56024
13-13	96078.26684	98173.57673
13-14	96106.85970	98176.73908
13-15	96086.43623	98193.07785
13-16	96111.47146	98251.31769
13-17	96109.89028	98266.47059
13-18	96123.19848	98268.31529
13-19	96125.04318	98253.29416
13-20	96184.67783	98273.23243
13-21	96184.67783	98279.34746
13-22	96190.54826	98279.34746

LABEL	XCOORD	YCOORD
13-23	96190.54826	98273.23243
13-24	96169.69601	98279.34746
13-25	96169.69601	98286.93010
13-26	96200.33231	98286.93010
13-27	96200.33231	98279.40861
7-1	99390.58043	100367.61092
7-2	99395.57546	100367.61092
7-3	99395.57546	100362.61589
7-4	99390.58043	100362.61589
7-5	99392.55763	100357.93305
7-6	99397.55266	100357.93305
7-7	99397.55266	100352.93802
7-8	99392.55763	100352.93802
7-9	99383.08789	100351.68926
7-10	99388.08292	100351.68926
7-11	99388.08292	100346.69423
7-12	99383.08789	100346.69423
7-13	99369.14343	100330.98070
7-14	99374.13846	100330.98070
7-15	99374.13846	100325.98567
7-16	99369.14343	100325.98567
7-17	99299.52520	100266.25344
7-18	99304.52023	100266.25344
7-19	99304.52023	100261.25841
7-20	99299.52520	100261.25841
7-21	99305.45680	100252.72523
7-22	99310.45183	100252.72523
7-23	99310.45183	100247.73020
7-24	99305.45680	100247.73020

W911KB-04-C-0019  
Case 2  
Modification P000

**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
<b>Figure 6-1</b>						
<b>Excavation 31A-1</b>						
Soil Excavation 31A-1	1	31SL001	0.5	05NEC31SL001	95847.0646	97418.7836
Soil Excavation 31A-1	2	31SL002	0.5		95838.591	97412.5414
Soil Excavation 31A-1	3	31SL003	0.5	05NEC31SL003	95840.4608	97404.1764
Soil Excavation 31A-1	4	31SL004	0.5		95834.9265	97399.6484
Soil Excavation 31A-1	5	31SL005	0.5		95827.0421	97410.6225
<b>Excavation 31A-2</b>						
Soil Excavation 31A-2	6	31SL006	1.5		95815.8914	97412.9498
Soil Excavation 31A-2 (2nd)	6	31SL006	2.0	05NEC31SL006		
Soil Excavation 31A-2	7	31SL007	1.5		95824.4764	97417.0734
Soil Excavation 31A-2 (2nd)	7	31SL007	2.0			
Soil Excavation 31A-2 (3rd)	7	31SL007	2.5	05NEC31SL007		
Soil Excavation 31A-2	8	31SL008	1.5	05NEC31SL008	95824.0828	97425.4503
Soil Excavation 31A-2 (2nd)	8	31SL008	2.0	05NEC31SL008Re		
Soil Excavation 31A-2 West Sidewall		31SL31A-2W	2.5	05NEC31SL31A-2W		
<b>Excavation 31A-3</b>						
Soil Excavation 31A-3	9	31SL009	2.0	05NEC31SL009	95834.5327	97416.1085
Soil Excavation 31A-3	13	31SL013	2.0	05NEC31SL013	95837.082	97429.2885
Soil Excavation 31A-3	14	31SL014	2.0	05NEC31SL014	95831.1745	97435.1568
<b>Excavation 31B</b>						
Soil Excavation 31B	15	31SL015	0.5	05NEC31SL015	95820.2133	97375.7705
Soil Excavation 31B (2nd)	15	31SL015	2.5			
Soil Excavation 31B (3rd)	15	31SL015	4.5			
Soil Excavation 31B (4th)	15	31SL15	6.5	05NEC31SL015Re		
Soil Excavation 31B	16	31SL016	0.5	05NEC31SL016	95811.8807	97373.9785
Soil Excavation 31B (2nd)	16	31SL016	2.5			
Soil Excavation 31B (3rd)	16	31SL16	4.5	05NEC31SL016Re		
Soil Excavation 31B	17	31SL16	0.5		95812.0609	97363.7826
Soil Excavation 31B (2nd)	17	31SL17	2.5	05NEC31SL17		
Soil Excavation 31B North Sidewall		31SL31BN	2.5	05NEC31SL31BN		
Soil Excavation 31B East Sidewall		31SL31BE	2.5	05NEC31SL31BE		
Soil Excavation 31B West Sidewall		31SL31BW	2.5	05NEC31SL31BW		
<b>Figure 6-2</b>						
<b>Excavation 31C</b>						
Soil Excavation 31C	18	31SL018	0.5		96064.5401	97380.4752
Soil Excavation 31C (2nd)	18	31SL018	1.5			
Soil Excavation 31C (3rd)	18	31SL018	2.0			
Soil Excavation 31C	19	31SL019	0.5		96070.3158	97383.0032
Soil Excavation 31C (2nd)	19	31SL019	1.5			
Soil Excavation 31C (3rd)	19	31SL019	2.0	05NEC31SL019		
Soil Excavation 31C	20	31SL020	0.5		96066.267	97385.9611
Soil Excavation 31C (2nd)	20	31SL020	1.5			
Soil Excavation 31C (3rd)	20	31SL020	2.0	05NEC31SL020		

**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
<b>Figure 6-3</b>						
<b>Bldg 1001</b>						
1001 Room A (Under Concrete)	81	31SL081	0.5	05NEC31SL081	95864.6112	97357.0621
1001 Room A (Under Concrete)	82	31SL082	0.5	05NEC31SL082	95871.3908	97365.1099
1001 Room A (Under Concrete)	85	31SL085	0.5	05NEC31SL085	95866.2668	97371.0273
1001 Room A (Under Concrete)	86	31SL086	0.5	05NEC31SL086	95859.4872	97362.9795
1001 Room A (Under Concrete)	87	31SL087	0.5	05NEC31SL087	95851.2317	97368.9965
1001 Room A (Under Concrete)	88	31SL088	0.5	05NEC31SL088	95858.0113	97377.0443
1001 Room A (Under Concrete)	89	31SL089	0.5	05NEC31SL089	95851.4607	97384.8577
1001 Room A (Under Concrete)	90	31SL090	0.5	05NEC31SL090	95844.6812	97376.8099
1001 Room G (Under Concrete)	91	31SL091	0.5	05NEC31SL091	95835.1146	97381.2683
1001 Room G (Under Concrete)	92	31SL092	0.5	05NEC31SL092	95832.2666	97392.0123
1001 Room G (Under Concrete)	93	31SL093	0.5	05NEC31SL093	95838.839	97393.8397
1001 Room C (Under Concrete)	94	31SL094	0.5	05NEC31SL094	95883.7636	97388.5377
1001 Room C (Under Concrete)	97	31SL097	0.5	05NEC31SL097	95888.4937	97394.8499
1001 Room C (Under Concrete)	98	31SL098	0.5	05NEC31SL098	95878.7593	97397.32
1001 Room E (Under Concrete)	99	31SL099	0.5	05NEC31SL099	95904.4069	97405.746
1001 Room E (Under Concrete)	100	31SL100	0.5	05NEC31SL100	95895.8289	97403.9753
1001 Room E (Under Concrete)	101	31SL101	0.5	05NEC31SL101	95899.9033	97411.5316
1001 Room F (Under Concrete)	102	31SL102	0.5	05NEC31SL102	95925.8475	97437.9215
1001 Room F (Under Concrete)	103	31SL103	0.5	05NEC31SL103	95933.7671	97446.5608
1001 Room F (Under Concrete)	104	31SL104	0.5	05NEC31SL104	95940.4011	97454.4147
1001 Room F (Under Concrete)	105	31SL105	0.5	05NEC31SL105	95932.697	97460.8405
1001 Room F (Under Concrete)	106	31SL106	0.5	05NEC31SL106	95926.0629	97452.9866
1001 Room F (Under Concrete)	109	31SL109	0.5	05NEC31SL109	95919.1433	97444.3473
1001 Room F (Under Concrete)	109	31SL109Re	0.5	05NEC31SL109Re		
1001 Room F (Under Concrete)	110	31SL110	0.5	05NEC31SL110	95910.94	97450.7727
1001 Room F (Under Concrete)	111	31SL111	0.5	05NEC31SL111	95917.8596	97459.412
1001 Room F (Under Concrete)	112	31SL112	0.5	05NEC31SL112	95924.5391	97467.3737
<b>Figure 6-4</b>						
<b>Excavation 7A</b>						
Soil Excavation 7A	29	07SL029	2.5		100363.554	99394.5157
Soil Excavation 7A (2nd)	29	07SL029	3.5			
Soil Excavation 7A	30	07SL030	2.5		100366.6485	99394.5965
Soil Excavation 7A (2nd)	30	07SL030	3.5			
Soil Excavation 7A	31	07SL031	2.5		100364.4473	99391.5216
Soil Excavation 7A (2nd)	31	07SL031	3.5			
<b>Excavation 7B</b>						
Soil Excavation 7B	32	07SL032	1.0	05NEC07SL032	100353.8926	99396.425
Soil Excavation 7B	33	07SL033	1.0		100356.7276	99396.1885
Soil Excavation 7B	34	07SL034	1.0		100355.8557	99393.8867

**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
<b>Excavation 7C</b>						
Soil Excavation 7C	37	07SL037	1.5		100350.4142	99384.3486
Soil Excavation 7C	38	07SL038	1.5	05NEC07SL038	100347.6534	99384.2144
Soil Excavation 7C	39	07SL039	1.5		100349.6193	99387.0139
<b>Excavation 7D</b>						
Soil Excavation 7D	40	07SL040	2.0		100329.6408	99372.724
Soil Excavation 7D	41	07SL041	2.0		100327.1324	99372.7774
Soil Excavation 7D	42	07SL042	2.0	05NEC07SL042	100327.9299	99370.144
<b>Figure 6-5</b>						
<b>Excavation 7E</b>						
Soil Excavation 7E	43	07SL043	1.0		100262.4135	99300.6133
Soil Excavation 7E (2nd)	43	07SL043	2.0			
Soil Excavation 7E	44	07SL044	1.0		100262.395	99303.7037
Soil Excavation 7E (2nd)	44	07SL044	2.0			
Soil Excavation 7E	45	07SL045	1.0		100265.332	99302.1555
Soil Excavation 7E (2nd)	45	07SL045	2.0			
<b>Excavation 7F</b>						
Soil Excavation 7F	46	07SL046	1.0		100250.1011	99306.5945
Soil Excavation 7F	49	07SL049	1.0		100248.9298	99308.9353
Soil Excavation 7F	50	07SL050	1.0		100251.0139	99308.8572
<b>Figure 6-6</b>						
<b>Excavation 14A</b>						
Soil Excavation 14A	21	AFSL021	1.0		97724.4376	95564.716
Soil Excavation 14A (2nd)	21	AFSL021	2.0			
Soil Excavation 14A	22	AFSL022	1.0		97721.9815	95564.7398
Soil Excavation 14A (2nd)	22	AFSL022	2.0			
Soil Excavation 14A (3rd)	22	AFSL022	3.0	05NECAFSL022		
Soil Excavation 14A	25	AFSL025	1.0		97721.9155	95561.916
Soil Excavation 14A (2nd)	25	AFSL025	2.0			
Soil Excavation 14A (3rd)	25	AFSL025	3.0			
<b>Excavation 14B</b>						
Soil Excavation 14B	26	AFSL026	0.5		97733.0276	95565.2161
Soil Excavation 14B (2nd)	26	AFSL026	1.5	05NECAFSL026		
Soil Excavation 14B	27	AFSL027	0.5		97736.2046	95565.1746
Soil Excavation 14B (2nd)	27	AFSL027	1.5			
Soil Excavation 14B	28	AFSL028	0.5		97734.7285	95571.029
Soil Excavation 14B (2nd)	28	AFSL028	1.5			
<b>Figure 6-7</b>						
<b>Excavation 13A-1</b>						
Soil Excavation 13A-1	73	AFSL073	2.5		98202.3649	96099.0749
Soil Excavation 13A-1	74	AFSL074	2.5		98195.2029	96101.7043
Soil Excavation 13A-1	75	AFSL075	2.5		98187.4666	96102.3486
Soil Excavation 13A-1	76	AFSL076	2.5		98189.0696	96097.4949
Soil Excavation 13A-1	77	AFSL077	2.5		98191.2656	96088.0511



**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
<b>Excavation 13A-2</b>						
Soil Excavation 13A-2	78	AFSL078	1.5		98190.3007	96083.3177
Soil Excavation 13A-2	79	AFSL079	1.5		98177.5578	96083.717
Soil Excavation 13A-2	80	AFSL080	1.5		98180.5116	96103.7346
<b>Excavation 13B-1</b>						
Soil Excavation 13B-1	65	AFSL065	2.5		98208.989	96081.3107
Soil Excavation 13B-1	66	AFSL066	2.5		98209.8421	96088.3808
Soil Excavation 13B-1	67	AFSL067	2.5		98210.9895	96100.7138
Soil Excavation 13B-1	68	AFSL068	2.5		98199.9195	96093.8125
Soil Excavation 13B-1	69	AFSL069	2.5		98203.5376	96085.1889
Soil Excavation 13B-1	70	AFSL070	2.5		98195.15	96082.1591
<b>Excavation 13B-2</b>						
Soil Excavation 13B-2	62	AFSL062	1.5	05NECAFSL062	98217.2402	96099.2309
Soil Excavation 13B-2	63	AFSL063	1.5		98215.7694	96087.7474
Soil Excavation 13B-2	64	AFSL064	1.5	05NECAFSL064	98214.9409	96080.4943
<b>Figure 6-8</b>						
<b>Excavation 13C</b>						
Soil Excavation 13C	57	AFSL057	1.5		98255.7038	96113.8152
Soil Excavation 13C	58	AFSL058	1.5		98264.9058	96119.0526
Soil Excavation 13C	61	AFSL061	1.5		98258.5703	96121.9019
Soil Excavation 13C (2nd)	61	AFSL061	2.5	05NECAFSL061		
<b>Excavation 13D</b>						
Soil Excavation 13D	54	AFSL054	0.5		98283.475	96193.6492
Soil Excavation 13D	55	AFSL055	0.5		98283.4766	96183.0719
Soil Excavation 13D	56	AFSL056	0.5		98284.621	96170.9089
Soil Excavation 13D (2nd)	56	AFSL056	1.5	05NECAFSL056		
<b>Excavation 13E</b>						
Soil Excavation 13E	51	AFSL051	1.0		98278.8165	96189.9754
Soil Excavation 13E	52	AFSL052	1.0		98278.2981	96185.4005
Soil Excavation 13E (2nd)	52	AFSL052	2.0			
Soil Excavation 13E	53	AFSL053	1.0	05NEC07SL053	98273.9148	96187.8083
<b>Figure 6-9</b>						
<b>Bldg 110</b>						
Building 110 (Under Concrete)	113	AFSL113	0.5		98181.4418	96159.1788
Building 110 (Under Concrete)	114	AFSL114	0.5		98177.8485	96162.1632
Building 110 (Under Concrete)	115	AFSL115	0.5		98177.8485	96162.1632

**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
<b>Figure 6-10</b>						
<b>Building 108</b>						
Building 108 Concrete Powder	22A	AFCC221A	0.5	05NECAFCC221	98200.6604	96283.137
Building 108 Concrete Powder	22B	AFCC221B	0.5	05NECAFCC221	98202.6965	96287.15
Building 108 Concrete Powder	22C	AFCC221C	0.5	05NECAFCC221	98204.7326	96291.1631
Building 108 Concrete Powder	23A	AFCC231A	0.5	05NECAFCC231	98204.6734	96281.1009
Building 108 Concrete Powder	23B	AFCC231B	0.5	05NECAFCC231	98206.7095	96285.1139
Building 108 Concrete Powder	23C	AFCC231C	0.5	05NECAFCC231	98208.7456	96289.1269
Building 108 Soil Under Concrete	24A	AFSL241A	0.5	05NECAFSL241	98208.6864	96279.0648
Building 108 Concrete Powder	24B	AFCC241B	0.5	05NECAFCC241	98210.7225	96283.0778
Building 108 Concrete Powder	24C	AFCC241C	0.5	05NECAFCC241	98212.7586	96287.0908
<b>Figure 6-11</b>						
<b>Building 109</b>						
Building 109 Concrete Powder	01A	AFCC011A	0.5	05NECAFCC011	98107.6244	96186.4866
Building 109 Concrete Powder	01B	AFCC011B	0.5	05NECAFCC011	98107.8949	96188.5768
Building 109 Concrete Powder	01C	AFCC011C	0.5	05NECAFCC011	98105.4412	96186.7691
Building 109 Concrete Powder	01D	AFCC011D	0.5	05NECAFCC011	98105.7117	96188.8593
Building 109 Concrete Powder	02A	AFCC021A	0.5	05NECAFCC021	98108.1654	96190.6671
Building 109 Concrete Powder	02B	AFCC021B	0.5	05NECAFCC021	98108.4359	96192.7573
Building 109 Concrete Powder	02C	AFCC021C	0.5	05NECAFCC021	98105.9823	96190.9496
Building 109 Concrete Powder	02D	AFCC021D	0.5	05NECAFCC021	98106.2528	96193.0398
Building 109 Concrete Powder	03A	AFCC031A	0.5	05NECAFCC031	98108.7064	96194.8476
Building 109 Concrete Powder	03B	AFCC031B	0.5	05NECAFCC031	98108.9769	96196.9378
Building 109 Concrete Powder	03C	AFCC031C	0.5	05NECAFCC031	98106.5233	96195.1301
Building 109 Concrete Powder	03D	AFCC031D	0.5	05NECAFCC031	98106.7938	96197.2204
Building 109 Concrete Powder	04A	AFCC041A	0.5	05NECAFCC041	98104.3401	96195.4126
Building 109 Concrete Powder	04B	AFCC041B	0.5	05NECAFCC041	98104.6106	96197.5029
Building 109 Concrete Powder	04C	AFCC041C	0.5	05NECAFCC041	98102.157	96195.6952
Building 109 Concrete Powder	04D	AFCC041D	0.5	05NECAFCC041	98102.4275	96197.7854
Building 109 Concrete Powder	05A	AFCC051A	0.5	05NECAFCC051	98103.7991	96191.2321
Building 109 Concrete Powder	05B	AFCC051B	0.5	05NECAFCC051	98104.0696	96193.3224
Building 109 Concrete Powder	05C	AFCC051C	0.5	05NECAFCC051	98101.616	96191.5146
Building 109 Concrete Powder	05D	AFCC051D	0.5	05NECAFCC051	98101.8865	96193.6049
Building 109 Concrete Powder	06A	AFCC061A	0.5	05NECAFCC061	98103.2581	96187.0516
Building 109 Concrete Powder	06B	AFCC061B	0.5	05NECAFCC061	98103.5286	96189.1419
Building 109 Concrete Powder	06C	AFCC061C	0.5	05NECAFCC061	98101.0749	96187.3341
Building 109 Concrete Powder	06D	AFCC061D	0.5	05NECAFCC061	98101.3454	96189.4244
Building 109 Concrete Powder	07A	AFCC071A	0.5	05NECAFCC071	98098.8918	96187.6167
Building 109 Concrete Powder	07B	AFCC071B	0.5	05NECAFCC071	98099.1623	96189.7069
Building 109 Concrete Powder	07C	AFCC071C	0.5	05NECAFCC071	98096.7086	96187.8992
Building 109 Concrete Powder	07D	AFCC071D	0.5	05NECAFCC071	98096.9791	96189.9894
Building 109 Concrete Powder	08A	AFCC081A	0.5	05NECAFCC081	98099.4328	96191.7972
Building 109 Concrete Powder	08B	AFCC081B	0.5	05NECAFCC081	98099.7033	96193.8874
Building 109 Concrete Powder	08C	AFCC081C	0.5	05NECAFCC081	98097.2496	96192.0797

FY02 Formerly Used Defense Site

White Alice Site Removal Action, Northeast Cape, Alaska  
Contract No. DACA85-02-C-0011  
BEESC Project # 25037

**SAMPLE SURVEY LOCATIONS**

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
Building 109 Concrete Powder	08D	AFCC081D	0.5	05NECAFCC081	98097.5202	96194.17
Building 109 Concrete Powder	09A	AFCC091A	0.5	05NECAFCC091	98099.9738	96195.9777
Building 109 Concrete Powder	09B	AFCC091B	0.5	05NECAFCC091	98100.2443	96198.0679
Building 109 Concrete Powder	09C	AFCC091C	0.5	05NECAFCC091	98097.7907	96196.2602
Building 109 Concrete Powder	09D	AFCC091D	0.5	05NECAFCC091	98098.0612	96198.3505
Building 109 Concrete Powder	10A	AFCC101A	0.5	05NECAFCC101	98095.6075	96196.5427
Building 109 Concrete Powder	10B	AFCC101B	0.5	05NECAFCC101	98095.878	96198.633
Building 109 Concrete Powder	10C	AFCC101C	0.5	05NECAFCC101	98093.4244	96196.8253
Building 109 Concrete Powder	10D	AFCC101D	0.5	05NECAFCC101	98093.6949	96198.9155
Building 109 Concrete Powder	11A	AFCC111A	0.5	05NECAFCC111	98095.0665	96192.3622
Building 109 Concrete Powder	11B	AFCC111B	0.5	05NECAFCC111	98095.337	96194.4525
Building 109 Concrete Powder	11C	AFCC111C	0.5	05NECAFCC111	98092.8833	96192.6448
Building 109 Concrete Powder	11D	AFCC111D	0.5	05NECAFCC111	98093.1539	96194.735
Building 109 Concrete Powder	12A	AFCC121A	0.5	05NECAFCC121	98094.5255	96188.1817
Building 109 Concrete Powder	12B	AFCC121B	0.5	05NECAFCC121	98094.796	96190.272
Building 109 Concrete Powder	12C	AFCC121C	0.5	05NECAFCC121	98092.3423	96188.4642
Building 109 Concrete Powder	12D	AFCC121D	0.5	05NECAFCC121	98092.6128	96190.5545
Building 109 Concrete Powder	13A	AFCC131A	0.5	05NECAFCC131	98090.1592	96188.7468
Building 109 Concrete Powder	13B	AFCC131B	0.5	05NECAFCC131	98090.4297	96190.837
Building 109 Concrete Powder	13C	AFCC131C	0.5	05NECAFCC131	98087.976	96189.0293
Building 109 Concrete Powder	13D	AFCC131D	0.5	05NECAFCC131	98088.2465	96191.1196
Building 109 Concrete Powder	14A	AFCC141A	0.5	05NECAFCC141	98090.7002	96192.9273
Building 109 Concrete Powder	14B	AFCC141B	0.5	05NECAFCC141	98090.9707	96195.0175
Building 109 Concrete Powder	14C	AFCC141C	0.5	05NECAFCC141	98088.517	96193.2098
Building 109 Concrete Powder	14D	AFCC141D	0.5	05NECAFCC141	98088.7875	96195.3001
Building 109 Concrete Powder	15A	AFCC151A	0.5	05NECAFCC151	98091.2412	96197.1078
Building 109 Concrete Powder	15B	AFCC151B	0.5	05NECAFCC151	98091.5117	96199.198
Building 109 Concrete Powder	15C	AFCC151C	0.5	05NECAFCC151	98089.0581	96197.3903
Building 109 Concrete Powder	15D	AFCC151D	0.5	05NECAFCC151	98089.3286	96199.4806
Building 109 Concrete Powder	16A	AFCC161A	0.5	05NECAFCC161	98086.8749	96197.6728
Building 109 Concrete Powder	16B	AFCC161B	0.5	05NECAFCC161	98087.1454	96199.7631
Building 109 Concrete Powder	16C	AFCC161C	0.5	05NECAFCC161	98084.6918	96197.9554
Building 109 Concrete Powder	16D	AFCC161D	0.5	05NECAFCC161	98084.9623	96200.0456
Building 109 Concrete Powder	17A	AFCC171A	0.5	05NECAFCC171	98086.3339	96193.4923
Building 109 Concrete Powder	17B	AFCC171B	0.5	05NECAFCC171	98086.6044	96195.5826
Building 109 Concrete Powder	17C	AFCC171C	0.5	05NECAFCC171	98084.1507	96193.7749
Building 109 Concrete Powder	17D	AFCC171D	0.5	05NECAFCC171	98084.4212	96195.8651
Building 109 Concrete Powder	18A	AFCC181A	0.5	05NECAFCC181	98085.7929	96189.3118
Building 109 Concrete Powder	18B	AFCC181B	0.5	05NECAFCC181	98086.0634	96191.4021
Building 109 Concrete Powder	18C	AFCC181C	0.5	05NECAFCC181	98083.6097	96189.5944
Building 109 Concrete Powder	18D	AFCC181D	0.5	05NECAFCC181	98083.8802	96191.6846
Building 109 Concrete Powder	19A	AFCC191A	0.5	05NECAFCC191	98081.4266	96189.8769
Building 109 Concrete Powder	19B	AFCC191B	0.5	05NECAFCC191	98081.6971	96191.9671
Building 109 Concrete Powder	19C	AFCC191C	0.5	05NECAFCC191	98079.2434	96190.1594

FY02 Formerly Used Defense Site  
White Alice Site Removal Action, Northeast Cape, Alaska  
Contract No. DACA85-02-C-0011  
BEESC Project # 25037

# SAMPLE SURVEY LOCATIONS

Location	Sample Number	LOCID	Depth (ft)	Associated Project Sample Number	Northing	Easting
Building 109 Concrete Powder	19D	AFCC191D	0.5	05NECAFCC191	98079.5139	96192.2497
Building 109 Concrete Powder	20A	AFCC201A	0.5	05NECAFCC201	98081.9676	96194.0574
Building 109 Concrete Powder	20B	AFCC201B	0.5	05NECAFCC201	98082.2381	96196.1476
Building 109 Concrete Powder	20C	AFCC201C	0.5	05NECAFCC201	98079.7844	96194.3399
Building 109 Concrete Powder	20D	AFCC201D	0.5	05NECAFCC201	98080.0549	96196.4302
Building 109 Concrete Powder	21A	AFCC211A	0.5	05NECAFCC211	98082.5086	96198.2379
Building 109 Concrete Powder	21B	AFCC211B	0.5	05NECAFCC211	98082.7791	96200.3281
Building 109 Concrete Powder	21C	AFCC211C	0.5	05NECAFCC211	98080.3254	96198.5204
Building 109 Concrete Powder	21D	AFCC211D	0.5	05NECAFCC211	98080.596	96200.6107

## **APPENDIX E**

### **Chemical Data Quality Report and Chemical Data Quality Assurance Report**

## **Chemical Data Quality Report**

# **CHEMICAL DATA QUALITY REVIEW**

## **Northeast Cape**

**2005 Sampling Event**

**Project #**

**04-036**

**Received: 10/25/05**

**Prepared for**

**Army Corps of Engineers - Alaska Division**

**Prepared by**

*ETHIX*

**218 Palm Avenue  
Modesto, CA 95350  
(209) 576-2621**

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## 1.0 Introduction

This report summarizes the technical review of analytical results generated in support of the soil, concrete and waste sampling event at Northeast Cape. The criteria applied for this review are consistent with analytical method protocols described in Sampling and Analysis Plan (SAP) for DACA85-02-C-0011. In cases where specific guidance was not available in the SAP, the data have been evaluated using the DOD QSM. The review included evaluation of sample collection, holding time and summary information for blanks (to assess contamination), sample duplicates (to assess precision), laboratory control samples (to assess accuracy) and matrix spike and surrogate recoveries (to assess matrix effect). Instrument calibration review and raw data verification were not performed.

The report is arranged by method; within each method section is a sub-section addressing each data quality indicator. In situations where all applicable criteria were met, it will be stated. If criteria were not met, the non-compliance, qualifier and associated samples are listed. Appendices A and B list qualifier definitions and acronyms, respectively. Appendix C, the data summary table, displays all sample results, as well as qualifiers and descriptors that may apply. Appendix D includes a summary of all qualified data, by analysis type. All samples collected are identified in Table 1. Any discrepancies or deficiencies associated with sampling and analysis can be found in Table 2. Rejected data are identified in Table 3 (Appendix E). All remaining tables (Appendix E) list all qualified data by data quality indicator and analysis type as well as results that did not meet specific screening levels.

The laboratory electronic data format (EDF) for this project was used to generate this report. In many cases abbreviations are used from the EDF; refer to the acronyms (Appendix B) for an explanation of abbreviations. When discrepancies between the hardcopy data and the EDF are found, the EDF has been modified to reflect values from the hardcopy, unless the hardcopy is found to be in error. Results used to generate this report are deemed to be accurate.

I certify that all data validation criteria described above were assessed, and any qualifications made to the data were in accordance with the cited reference documents.

---

Authorized Signature (209) 576-2621

## 2.0 Executive Summary

Seventy-seven soil and 27 concrete composite samples were collected by Bristol Environmental in Anchorage, Alaska from July 18, 2005 to August 21, 2005. Samples were submitted to SGS Environmental in Anchorage, Alaska (Primary Laboratory) and North Creek Analytical in Bothell, Washington (Referee Laboratory) within 4 to 11 days of collection. Samples were analyzed for Polychlorinated Biphenyls and TCLP Metals.

In general data are of good quality. No data were rejected. Very few data points were qualified; in most cases qualification was due to low concentrations (trace levels detected). Only aroclor 1260 was detected in the samples; all remaining aroclors were reported as non-detected.

Both laboratories used the methods defined in the Sampling and Analysis Plan. Acceptable agreement was observed in all QA/QC triplicate sets.

### 3.0 Polychlorinated Biphenyls (PCBs)

The following number of samples were prepared and analyzed by the listed methods:

Laboratory: NCAB

# of Samples	Matrix	Prep Method	Analysis Method	Reporting Units
9	SO	SW3550B	SW8082	µg/Kg

Laboratory: SGSA

# of Samples	Matrix	Prep Method	Analysis Method	Reporting Units
64	SL	SW3550B	SW8082	µg/Kg
27	SC	SW3550B	SW8082	µg/Kg
4	SO	SW3550B	SW8082	µg/Kg

Samples analyzed by this method are identified in Table 1.

#### 3.1 Holding Time

All samples were prepared and analyzed within the required technical holding time.

#### 3.2 Surrogates

All surrogate recoveries were within the required limits except the following:

Laboratory: SGSA  
Project ID: 1054532

Lab ID	Field ID	Matrix	Dil Factor	Surrogate	% Rec	Recovery Limits <sup>1</sup>	Q <sup>2</sup>	Bias	RC
1054532005	05NEC31SL016	SL	49.7	decachlorobiphenyl	0	60 - 125	none*	NA	NA
1054532006	05NECAFSL062	SL	49.6	decachlorobiphenyl	0	60 - 125	none*	NA	NA

<sup>1</sup> Project-established limits

<sup>2</sup> According to the Functional Guidelines for Organic Data Review, if the surrogate recovery is > UCL, flag detected results J; if the surrogate recovery is < LCL, flag detected results J and non-detects UJ; if the surrogate recovery is less than 10%, flag detected results J and non-detects UR

\* qualifiers do not apply if the sample was diluted by >5 times and the recovery is <LCL

#### 3.3 Blanks

Method blanks were analyzed at the minimum required frequency. All target compounds were reported as nondetected in all cases.

### 3.3

Field blanks were not collected for analysis by this method.

### 3.4 Matrix Spike/Matrix Spike Duplicates

MS/MSDs were analyzed at the required frequency. All recoveries and RPDs were within the required limits except the following:

Laboratory: SGSA  
Prep Date: 7/27/05  
Prep Batch ID: XXX15435  
Spiked Sample: Waste110  
Matrix: SL  
Dil Factor: 9.96

ANALYTE	Sample Result µg/Kg	Spike Conc. µg/Kg	% Recovery		Limits <sup>1</sup>	MS/MSD RPD	Limit <sup>1</sup>	Q <sup>2</sup>	Bias	RC
			MS	MSD						
aroclor 1260	2020	477.2	109	-50	38 - 126	74	30			None - > 4X spike
<b>Associated Samples:</b>										
	Waste7	( 1054603001 )		Waste110		( 1054603002 )				
	Waste98	( 1054603003 )								

<sup>1</sup> Project-established limits

<sup>2</sup> If the MS or MSD recovery is < LCL apply J to all detected results, apply UJ to all non-detects; if the MS or MSD recovery is > UCL apply J to all detected results; if the MS/MSD RPD is > UCL apply J to all detected results, apply UJ to all non-detects. For this review, qualifiers will apply to the spiked sample only

### 3.5 Laboratory Control Samples

Laboratory control samples were analyzed at the required frequency. All recoveries and RPDs were within the required limits.

### 3.6 Quantitation Limits

The practical quantitation limits (PQLs) achieved by the laboratories were acceptable relative to the practical quantitation limits established in the SAP. Eleven results were below the quantitation limit, and are flagged "J". Results below the reporting limit are considered qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in precision near the limit of detection.

#### Quantitation Limits

The aroclor 1260 result in sample 05NEC31SL108 exceeded the calibration range in the original analysis. The sample was appropriately diluted and reanalyzed. Aroclor 1260 results should be used from the analysis of the dilution and all remaining non-detected aroclors should be used from the nondiluted analysis.

Six samples analyzed at SGSA did not meet project required quantitation limits due to dilution. Sample results not meeting the limits can be found in Table 6.

### **3.7 QA / QC Triplicates**

Eight sets of QA / QC triplicate samples were collected for analysis by this method. All samples results were in agreement except the following:

### **3.8 Overall Assessment**

Some data quality deficiencies were found, resulting in an insignificant amount of qualified data. No data were rejected. Most qualifications made to the data were due to trace concentrations detected. Three aroclor 1260 results were qualified as estimated due to poor QA/QC triplicate precision, and one aroclor 1260 result was qualified as estimated due to calibration range exceedance. Appendix E lists all qualified sample results, by data quality indicator and analysis type. Results that were rejected are unuseable for any purpose. Results that were qualified as estimated or nondetected are useable for limited purposes. All other data generated by this method should be considered useable as reported.

#### 4.0 Total Metals (TCLP)

The following number of samples were prepared and analyzed by the listed methods:

Laboratory: SGSA

# of Samples	Matrix	Prep Method	Analysis Method	Reporting Units
1	WL	SW3010A	SW6010B	mg/L
1	WL	SW7470A	SW7470A	µg/L

Samples analyzed by this method are identified in Table 1.

#### 4.1 Holding Time

The sample was analyzed within the required technical holding time.

#### 4.2 Blanks

Method blanks were analyzed at the minimum required frequency. All target analytes were reported as nondetected in all cases.

Field blanks were not collected for analysis by these methods.

#### 4.3 Matrix Spike/Matrix Spike Duplicates

MS/MSDs were analyzed at the required frequency for mercury. A non-project sample was used as the MS/MSD for the remaining RCRA metals. All recoveries and RPDs were within the required limits.

#### 4.4 Sample Duplicates

Sample duplicates were not analyzed. MS/MSDs were used to evaluate precision.

#### 4.5 Laboratory Control Samples

Laboratory control samples were analyzed at the required frequency. All recoveries were within the required limits.

#### 4.6 Quantitation Limits

The practical quantitation limits (PQLs) achieved by the laboratory was acceptable relative to the practical quantitation limits described within the Sampling and Analysis Plan. One detected result was below the quantitation limit, and is flagged "J". Results below the reporting limit are considered qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in precision near the limit of detection.

#### 4.7 QA / QC Triplicates

QA / QC triplicate samples were not collected for analysis by these methods.

#### **4.9 Overall Assessment**

No data quality deficiencies were found. One detected result was below the PQL and qualified as estimated. Appendix E lists all qualified sample results, by data quality indicator and analysis type. Results that were rejected are unuseable for any purpose. Results that were qualified as estimated or nondetected are useable for limited purposes. All other data generated by this method should be considered useable as reported.

## 5.0 References

"Sampling and Analysis Plan White Alice Tram and Debris Removal BEESC Project No. 25037", May 2005

" Department Of Defense Quality Systems Manual For Environmental Laboratories", June 2002

"National Functional Guidelines for Organic Data Review", October 1999

"National Functional Guidelines for Inorganic Data Review", February, 1994

"USEPA Test Methods for Evaluating Solid Waste Physical/Chemical Methods", July 1992 (SW-846)



## *Appendix A*

# Qualifier Definitions

<b>B</b>	The sample result is less than 5 or 10 times (for common laboratory contaminants) the associated blank contamination.
<b>U</b>	The analyte was analyzed for, but was not detected above the reported quantitation limit.
<b>UJ</b>	The analyte was not detected above the reported quantitation limit. However, the reported quantitation is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
<b>J</b>	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
<b>J/none</b>	Sample results for the analyte are estimated for positive results; results reported below the quantitation limit are not qualified (high bias).
<b>J/UJ</b>	Sample results for the analyte are estimated for both positive results and results reported below the quantitation limit (low bias).
<b>R/UR</b>	The sample results are rejected for both positive results and results reported below the quantitation limit due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

## *Appendix B*

# Acronyms

CRQL	-	Contract Required Quantitation Limit
H	-	High Bias
L	-	Low Bias
LCL	-	Lower Control Limit
LCS/LCSD	-	Laboratory Control Sample/Laboratory Control Sample Duplicate
MB	-	Method Blank
MDL	-	Method Detection Limit
MS/MSD	-	Matrix Spike/Matrix Spike Duplicate
N	-	No Bias Determined
NA	-	Not Applicable
NE	-	Not Established
NR	-	Not Reported
PQL	-	Practical Quantitation Limit
Q	-	Qualifier
QA	-	Quality Assurance
QC	-	Quality Control
RPD	-	Relative Percent Difference
RRL	-	Required Reporting Limit
RSD	-	Relative Standard Deviation
RTHT	-	Required Technical Holding Time
SD	-	Sample Duplicate
STL8	-	Severn Trent Laboratories, Tacoma Washington
SW-846	-	EPA Test Methods for Evaluating Solid Waste
SX	-	Soil
UCL	-	Upper Control Limit
WL	-	Leachate

## *Appendix C*

# Data Summary Table

### QUALIFIER REASON CODES

- a - The analyte was found in the method blank
- a- - Negative drift observed in instrument calibration blanks
- b - Surrogate spike recovery outside control limits
- c - Matrix Spike/Matrix Spike Duplicate (MS/MSD) recovery outside control limits
- d - Laboratory Control Sample (LCS) recovery outside control limits
- e - Holding time exceeded
- f - MS/LCS sample duplicate failed precision criteria
- h - Second column results indicate that the environmental results were not confirmed
- i - Instrument Calibration outside control limits
- k - The analyte was found in the field blank
- m - Numerical value between the MDL and PQL
- n - Field duplicate precision problem
- o - Result reported exceeds calibration range
- p - Sample was not properly collected, preserved or shipped
- s - Internal Standard outside control limits
- t - Sample temperature outside acceptance criteria

(Note: Where multiple qualifiers have been applied the first qualifier corresponds to the first reason code)

Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1054532001	1054532002	1054532003	1054532004	1054532005	1054532006
	Field ID	05NEC31SL001	05NEC31SL008	05NEC31SL013	05NEC31SL015	05NEC31SL016	05NECAFSL062
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	7/18/05	7/18/05	7/21/05	7/18/05	7/18/05	7/18/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1221		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1232		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1242		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1248		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1254		565 U	592 U	624 U	563 U	2770 U	2700 U
aroclor 1260		5130	6950	7090	8330	17700	37100

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1054532007			1054532008			1054532009			1054532010			1054532011			1054532012		
	Field ID	05NECAFSL064			05NEC31SL003			05NEC07SL032			05NEC07SL038			05NEC07SL042			05NEC07SL053		
	Matrix	SL			SL			SL			SL			SL			SL		
	Date Collected	7/18/05			7/18/05			7/18/05			7/18/05			7/18/05			7/18/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC
aroclor 1016		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1221		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1232		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1242		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1248		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1254		261	U		51.6	U		52.9	U		54.4	U		53.8	U		51.4	U	
aroclor 1260		1410			286			173			99.1			53.6	J	m	152		

## Polychlorinated Biphenyls

## DATA SUMMARY TABLE

Analyte	Sample ID	1054532013			1054532014			1054532015			1054532016			1054532017			1054532018		
	Field ID	05NEC31SL081			05NEC31SL082			05NEC31SL083			05NEC31SL085			05NEC31SL086			05NEC31SL087		
	Matrix	SL			SL			SL			SL			SL			SL		
	Date Collected	7/19/05			7/19/05			7/19/05			7/19/05			7/19/05			7/19/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC
aroclor 1016		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1221		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1232		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1242		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1248		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1254		49.5	U		49.4	U		51	U		50.8	U		50.9	U		51.2	U	
aroclor 1260		49.5	U		49.4	U		51	U		228			50.9	U		59.1		

Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1054532019	1054532020	1054532021	1054532022	1054532023	1054532024
	Field ID	05NEC31SL088	05NEC31SL089	05NEC31SL090	05NEC31SL091	05NEC31SL092	05NEC31SL093
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1221		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1232		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1242		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1248		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1254		50.9 U	50.6 U	51 U	51.7 U	51 U	50 U
aroclor 1260		263	173	54.8	44.5 J m	58.4	50 U

Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1054532025	1054532026	1054532027	1054532028	1054532029	1054532030
	Field ID	05NEC31SL094	05NEC31SL095	05NEC31SL097	05NEC31SL098	05NEC31SL099	05NEC31SL100
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1221		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1232		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1242		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1248		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1254		49.5 U	50.4 U	49.9 U	49.2 U	51.2 U	51.1 U
aroclor 1260		115	116	96.8	149	114	101



Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1054532031	1054532032	1054532033	1054532034	1054532035	1054532036
	Field ID	05NEC31SL101	05NEC31SL102	05NEC31SL103	05NEC31SL104	05NEC31SL105	05NEC31SL106
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05	7/19/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1221		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1232		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1242		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1248		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1254		49.7 U	50.9 U	50.2 U	51.1 U	50.1 U	50.3 U
aroclor 1260		606	432	165	56.8	53.9	353

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1054532037			1054532038			1054532039			1054532040			1054532041			
	Field ID	05NEC31SL107			05NEC31SL109			05NEC31SL110			05NEC31SL111			05NEC31SL112			
	Matrix	SL			SL			SL			SL			SL			
	Date Collected	7/19/05			7/19/05			7/19/05			7/19/05			7/19/05			
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			
	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC		
aroclor 1016		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1221		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1232		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1242		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1248		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1254		51	U		50.9	U		50.7	U		50.6	U		51.7	U		
aroclor 1260		520			1440			324			169			51.7	U		

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1054603001			1054603002			1054603003					
	Field ID	Waste7			Waste110			Waste98					
	Matrix	SL			SL			SL					
	Date Collected	7/18/05			7/18/05			7/18/05					
	Units	µg/Kg			µg/Kg			µg/Kg					
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC			
aroclor 1016		63.7	U		53.6	U		56.1	U				
aroclor 1221		63.7	U		53.6	U		56.1	U				
aroclor 1232		63.7	U		53.6	U		56.1	U				
aroclor 1242		63.7	U		53.6	U		56.1	U				
aroclor 1248		63.7	U		53.6	U		56.1	U				
aroclor 1254		63.7	U		53.6	U		56.1	U				
aroclor 1260		5250			2020			11900					

## Polychlorinated Biphenyls

## DATA SUMMARY TABLE

Analyte	Sample ID	1055152001			1055152006			1055152011			1055152016			1055152021			1055152026		
	Field ID	05NECAFCC011			05NECAFCC021			05NECAFCC031			05NECAFCC041			05NECAFCC051			05NECAFCC061		
	Matrix	SC			SC			SC			SC			SC			SC		
	Date Collected	8/4/05			8/4/05			8/4/05			8/4/05			8/4/05			8/4/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC
aroclor 1016		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1221		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1232		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1242		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1248		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1254		48.8	U		48.1	U		47.3	U		50.9	U		48.3	U		48.9	U	
aroclor 1260		48.8	U		48.1	U		24.8	J	m	50.9	U		48.3	U		48.9	U	

Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1055152031	1055152036	1055152041	1055152042	1055152048	1055152055
	Field ID	05NECAFCC071	05NECAFCC081	05NECAFCC091	05NECAFCC092	05NECAFCC101	05NECAFCC111
	Matrix	SC	SC	SC	SC	SC	SC
	Date Collected	8/4/05	8/5/05	8/5/05	8/5/05	8/5/05	8/5/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1221		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1232		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1242		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1248		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1254		47 U	50.3 U	50 U	50.3 U	101 U	50.6 U
aroclor 1260		47 U	50.3 U	44.5 J m	50.3 U	101 U	50.6 U

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1055152060			1055152061			1055152067			1055152074			1055152075			1055152081		
	Field ID	05NECAFCC121			05NECAFCC122			05NECAFCC131			05NECAFCC141			05NECAFCC142			05NECAFCC151		
	Matrix	SC			SC			SC			SC			SC			SC		
	Date Collected	8/5/05			8/5/05			8/5/05			8/7/05			8/7/05			8/7/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC
aroclor 1016		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1221		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1232		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1242		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1248		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1254		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	
aroclor 1260		49	U		49.9	U		49.3	U		49.2	U		50.2	U		50.1	U	

## Polychlorinated Biphenyls

## DATA SUMMARY TABLE

	Sample ID	1055152086	1055152091	1055152096	1055152101	1055152106	1055152111
	Field ID	05NECAFCC161	05NECAFCC171	05NECAFCC181	05NECAFCC191	05NECAFCC201	05NECAFCC211
	Matrix	SC	SC	SC	SC	SC	SC
	Date Collected	8/7/05	8/7/05	8/7/05	8/7/05	8/7/05	8/7/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1221		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1232		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1242		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1248		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1254		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U
aroclor 1260		51 U	51 U	50.8 U	50.2 U	48.8 U	102 U

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1055152116			1055152121			1055152124			1055152127			1055152128			1055152129		
	Field ID	05NECAFCC221			05NECAFCC231			05NECAFCC241			05NECAFSL24A			05NECAFSL56Re			05NECAFSL61Re		
	Matrix	SC			SC			SC			SO			SO			SO		
	Date Collected	8/7/05			8/7/05			8/7/05			8/7/05			8/7/05			8/7/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC
aroclor 1016		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1221		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1232		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1242		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1248		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1254		50.7	U		49.8	U		49.1	U		51.6	U		56.2	U		50.7	U	
aroclor 1260		50.7	U		49.8	U		49.1	U		51.6	U		114			77.1		



Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1055152130					
	Field ID	05NEC31SL109Re					
	Matrix	SO					
	Date Collected	8/7/05					
	Units	µg/Kg					
Analyte	RESULT	Q	RC				
aroclor 1016	51.7	U					
aroclor 1221	51.7	U					
aroclor 1232	51.7	U					
aroclor 1242	51.7	U					
aroclor 1248	51.7	U					
aroclor 1254	51.7	U					
aroclor 1260	145						

## Polychlorinated Biphenyls

## DATA SUMMARY TABLE

Analyte	Sample ID	1055480001			1055480002			1055480003			1055480004			1055480005			1055480006		
	Field ID	05NEC31SL19			05NEC31SL20			05NEC31SL11			05NECAFSL22			05NECAFSL23			05NECAFSL26		
	Matrix	SL			SL			SL			SL			SL			SL		
	Date Collected	8/15/05			8/15/05			8/15/05			8/17/05			8/17/05			8/17/05		
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg			µg/Kg		
	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	
aroclor 1016	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1221	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1232	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1242	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1248	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1254	57.6	U		55.7	U		58	U		52.6	U		55.2	U		50.7	U		
aroclor 1260	57.6	U		58.9			17.5	J	m	52.6	UU	n	33.3	J	m,n	206			

## Polychlorinated Biphenyls

## DATA SUMMARY TABLE

	Sample ID	1055480007	1055480008	1055480011	1055480012	1055480013	1055480014
	Field ID	05NEC31SL15	05NEC31SL16	05NEC31SL17	05NEC31SL31BN	05NEC31SL31BE	05NEC31SL31BW
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	8/17/05	8/17/05	8/17/05	8/19/05	8/19/05	8/19/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1221		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1232		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1242		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1248		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1254		51.7 U	54.4 U	52.4 U	50.7 U	52.3 U	54.9 U
aroclor 1260		45 J m	97.8	508	35.6 J m	92.9	32.7 J m

Polychlorinated Biphenyls

DATA SUMMARY TABLE

	Sample ID	1055480015	1055480016	1055480017	1055480018	1055480019	1055480020
	Field ID	05NEC31SL06	05NEC31SL07	05NEC31SL08	05NEC31SL31A 2W	05NEC31SL09	05NEC31SL14
	Matrix	SL	SL	SL	SL	SL	SL
	Date Collected	8/17/05	8/19/05	8/17/05	8/19/05	8/19/05	8/19/05
	Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Analyte		RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC	RESULT Q RC
aroclor 1016		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1221		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1232		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1242		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1248		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1254		55.1 U	53.7 U	52.1 U	54.1 U	60.8 U	53 U
aroclor 1260		2570	83.6	80.1	412	407	1530

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	1055480021			1055480022						
	Field ID	Waste 98 A			Waste 31 C						
	Matrix	SL			SL						
	Date Collected	8/17/05			8/15/05						
	Units	µg/Kg			µg/Kg						
		RESULT	Q	RC	RESULT	Q	RC				
aroclor 1016		52.3	U		54.2	U					
aroclor 1221		52.3	U		54.2	U					
aroclor 1232		52.3	U		54.2	U					
aroclor 1242		52.3	U		54.2	U					
aroclor 1248		52.3	U		54.2	U					
aroclor 1254		52.3	U		54.2	U					
aroclor 1260		519			54.2	U					

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	B5G0543-01			B5G0543-02			B5G0543-03			B5G0543-03R1				
	Field ID	05NEC31SLSL084			05NEC31SLSL096			05NEC31SLSL108			05NEC31SLSL108				
	Matrix	SO			SO			SO			SO				
	Date Collected	7/19/05			7/19/05			7/19/05			7/19/05				
	Units	µg/Kg			µg/Kg			µg/Kg			µg/Kg				
	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC			
aroclor 1016	25	U		25	U		25	U		125	U				
aroclor 1221	50	U		50	U		50	U		250	U				
aroclor 1232	25	U		25	U		25	U		125	U				
aroclor 1242	25	U		25	U		25	U		125	U				
aroclor 1248	25	U		25	U		25	U		125	U				
aroclor 1254	25	U		25	U		25	U		125	U				
aroclor 1260	13.2	J	m	39.7			415	J	o	453					
aroclor 1262	25	U		25	U		25	U		125	U				
aroclor 1268	25	U		25	U		25	U		125	U				

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	B5H0381-01			B5H0381-02			B5H0381-03					
	Field ID	05NECAFCC143			05NECAFCC093			05NECAFCC123					
	Matrix	SO			SO			SO					
	Date Collected	8/7/05			8/5/05			8/5/05					
	Units	µg/Kg			µg/Kg			µg/Kg					
		RESULT	Q	RC	RESULT	Q	RC	RESULT	Q	RC			
aroclor 1016		25	U		25	U		25	U				
aroclor 1221		50	U		50	U		50	U				
aroclor 1232		25	U		25	U		25	U				
aroclor 1242		25	U		25	U		25	U				
aroclor 1248		25	U		25	U		25	U				
aroclor 1254		25	U		25	U		25	U				
aroclor 1260		25	U		32.1			25	U				
aroclor 1262		25	U		25	U		25	U				
aroclor 1268		25	U		25	U		25	U				

Polychlorinated Biphenyls

DATA SUMMARY TABLE

Analyte	Sample ID	B5H0640-01			B5H0640-02						
	Field ID	05NEC31SL12			05NECAFSL24						
	Matrix	SO			SO						
	Date Collected	8/15/05			8/17/05						
	Units	µg/Kg			µg/Kg						
		RESULT	Q	RC	RESULT	Q	RC				
aroclor 1016		25	U		25	U					
aroclor 1221		50	U		50	U					
aroclor 1232		25	U		25	U					
aroclor 1242		25	U		25	U					
aroclor 1248		25	U		25	U					
aroclor 1254		25	U		25	U					
aroclor 1260		25	U		166	J	n				
aroclor 1262		25	U		25	U					
aroclor 1268		25	U		25	U					



Total Metals (TCLP)

DATA SUMMARY TABLE

	Sample ID	1055514001			1055514001						
	Field ID	05NECAFMi07			05NECAFMi07						
	Matrix	WL			WL						
	Date Collected	8/21/05			8/21/05						
	Units	µg/L			mg/L						
Analyte		RESULT	Q	RC	RESULT	Q	RC				
arsenic					0.5	U					
barium					1.05						
cadmium					0.0257	J	m				
chromium					0.2	U					
lead					50.7						
mercury		2	U								
selenium					1	U					
silver					0.2	U					

*Appendix D*

**Data Quality Summary**

*by Analysis Type*

# Data Quality Summary

## Polychlorinated Biphenyls

	Data Points	% of Data	% of Qualified Data	Bias (low/none/high)
TOTAL DATA POINTS:	859	-	-	-
TOTAL QUALIFIED DATA POINTS:	13	1.5%	-	-
TOTAL REJECTED DATA POINTS:	0	0.0%	-	-
m - Numerical value is between the MDL and RL	9	1.0%	69.2%	N
n - Field duplicate precision problem	2	0.2%	15.4%	N
o - Calibration Range Exceedance	1	0.1%	7.7%	N
m,n - Multiple Reasons	1	0.1%	7.7%	N

# Data Quality Summary

## Total Metals (TCLP)

	Data Points	% of Data	% of Qualified Data	Bias (low/none/high)
TOTAL DATA POINTS:	8	-	-	
TOTAL QUALIFIED DATA POINTS:	1	12.5%	-	
TOTAL REJECTED DATA POINTS:	0	0.0%	-	
Qualified/Rejected as a result of:				
m - Numerical value is between the MDL and RL	1	12.5%	100.0%	N

*Appendix E*

**Sample Table**  
**Qualified Data Tables**  
*by Data Quality Indicator and Analysis Type*

## Table 1 - Samples List

### Northeast Cape

The following samples were collected and analyzed by all applicable methods:

**Laboratory:** NCAB (Referee Laboratory)

**SDG:** B5G0543

**Date Rec'd:** 7/26/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
B5G0543-01	05NEC31SLSL084	QA Dup of 05NEC31SL082	7/19/05	SO	2.0	2.7	none		
B5G0543-02	05NEC31SLSL096	QA Dup of 05NEC31SL094	7/19/05	SO	2.0	2.7	none		
B5G0543-03	05NEC31SLSL108	QA Dup of 05NEC31SL106	7/19/05	SO	2.0	2.7	none		
B5G0543-03R1	05NEC31SLSL108	QA Dup of 05NEC31SL106	7/19/05	SO	2.0	2.7	none		

**SDG:** B5H0381

**Date Rec'd:** 8/16/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
B5H0381-01	05NECAFCC143	QA Dup of 05NECAFCC141	8/7/05	SO	4.3	4.5	none		
B5H0381-02	05NECAFCC093	QA Dup of 05NECAFCC091	8/5/05	SO	4.3	4.5	none		
B5H0381-03	05NECAFCC123	QA Dup of 05NECAFCC121	8/5/05	SO	4.3	4.5	none		

**SDG:** B5H0640

**Date Rec'd:** 8/26/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
B5H0640-01	05NEC31SL12	QA Dup of 05NEC31SL19	8/15/05	SO	12.5	11.9	none*		
B5H0640-02	05NECAFSL24	QA Dup of 05NECAFSL22	8/17/05	SO	12.5	11.9	none*		

**Laboratory:** SGSA (Primary Laboratory)

**SDG:** 1054532

**Date Rec'd:** 7/25/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1054532001	05NEC31SL001		7/18/05	SL	5.3	8.0	none*		
1054532002	05NEC31SL008		7/18/05	SL	5.3	8.0	none*		
1054532003	05NEC31SL013		7/21/05	SL	5.3	8.0	none*		
1054532004	05NEC31SL015		7/18/05	SL	5.3	8.0	none*		
1054532005	05NEC31SL016		7/18/05	SL	5.3	8.0	none*		
1054532006	05NECAFSL062		7/18/05	SL	5.3	8.0	none*		
1054532007	05NECAFSL064		7/18/05	SL	5.3	8.0	none*		
1054532008	05NEC31SL003		7/18/05	SL	5.3	8.0	none*		
1054532009	05NEC07SL032		7/18/05	SL	5.3	8.0	none*		
1054532010	05NEC07SL038		7/18/05	SL	5.3	8.0	none*		
1054532011	05NEC07SL042		7/18/05	SL	5.3	8.0	none*		
1054532012	05NEC07SL053		7/18/05	SL	5.3	8.0	none*		

Prepared by ETHIX

11/21/05

E-1-1

Table 1 - Samples List

Northeast Cape

# Table 1 - Samples List

## Northeast Cape

Laboratory: **SGSA** (Primary Laboratory)

SDG: **1054532**

Date Rec'd: **7/25/05**

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1054532013	05NEC31SL081	Primary Sample QC Dup of 05NEC31SL082	7/19/05	SL	5.3	8.0	none*		
1054532014	05NEC31SL082		7/19/05	SL	5.3	8.0	none*		
1054532015	05NEC31SL083		7/19/05	SL	5.3	8.0	none*		
1054532016	05NEC31SL085	Primary Sample QC Dup of 05NEC31SL094	7/19/05	SL	5.3	8.0	none*		
1054532017	05NEC31SL086		7/19/05	SL	5.3	8.0	none*		
1054532018	05NEC31SL087		7/19/05	SL	5.3	8.0	none*		
1054532019	05NEC31SL088		7/19/05	SL	5.3	8.0	none*		
1054532020	05NEC31SL089		7/19/05	SL	5.3	8.0	none*		
1054532021	05NEC31SL090		7/19/05	SL	5.3	8.0	none*		
1054532022	05NEC31SL091		7/19/05	SL	5.3	8.0	none*		
1054532023	05NEC31SL092		7/19/05	SL	5.3	8.0	none*		
1054532024	05NEC31SL093		7/19/05	SL	5.3	8.0	none*		
1054532025	05NEC31SL094		7/19/05	SL	5.3	8.0	none*		
1054532026	05NEC31SL095		7/19/05	SL	5.3	8.0	none*		
1054532027	05NEC31SL097		7/19/05	SL	5.3	8.0	none*		
1054532028	05NEC31SL098		7/19/05	SL	5.3	8.0	none*		
1054532029	05NEC31SL099		7/19/05	SL	5.3	8.0	none*		
1054532030	05NEC31SL100		7/19/05	SL	5.3	8.0	none*		
1054532031	05NEC31SL101		7/19/05	SL	5.3	8.0	none*		
1054532032	05NEC31SL102		7/19/05	SL	5.3	8.0	none*		
1054532033	05NEC31SL103		7/19/05	SL	5.3	8.0	none*		
1054532034	05NEC31SL104		7/19/05	SL	5.3	8.0	none*		
1054532035	05NEC31SL105		7/19/05	SL	5.3	8.0	none*		
1054532036	05NEC31SL106	Primary Sample QC Dup of 05NEC31SL106	7/19/05	SL	5.3	8.0	none*		
1054532037	05NEC31SL107		7/19/05	SL	5.3	8.0	none*		
1054532038	05NEC31SL109		7/19/05	SL	5.3	8.0	none*		
1054532039	05NEC31SL110		7/19/05	SL	5.3	8.0	none*		
1054532040	05NEC31SL111		7/19/05	SL	5.3	8.0	none*		
1054532041	05NEC31SL112		7/19/05	SL	5.3	8.0	none*		

SDG: **1054603**

Date Rec'd: **7/25/05**

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1054603001	Waste7		7/18/05	SL	6.6	9.6	none*		
1054603002	Waste110		7/18/05	SL	6.6	9.6	none*		
1054603003	Waste98		7/18/05	SL	6.6	9.6	none*		

Table 1 - Samples List

## Northeast Cape

Laboratory: SGSA (Primary Laboratory)

SDG: 1055152

Date Rec'd: 8/12/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1055152001	05NECAFCC011		8/4/05	SC	4.1	5.6	none		
1055152006	05NECAFCC021		8/4/05	SC	4.1	5.6	none		
1055152011	05NECAFCC031		8/4/05	SC	4.1	5.6	none		
1055152016	05NECAFCC041		8/4/05	SC	4.1	5.6	none		
1055152021	05NECAFCC051		8/4/05	SC	4.1	5.6	none		
1055152026	05NECAFCC061		8/4/05	SC	4.1	5.6	none		
1055152031	05NECAFCC071		8/4/05	SC	4.1	5.6	none		
1055152036	05NECAFCC081		8/5/05	SC	4.1	5.6	none		
1055152041	05NECAFCC091	Primary Sample	8/5/05	SC	4.1	5.6	none		
1055152042	05NECAFCC092	QC Dup of 05NECAFCC091	8/5/05	SC	4.1	5.6	none		
1055152048	05NECAFCC101		8/5/05	SC	3.6	8.3	none*		
1055152055	05NECAFCC111		8/5/05	SC	3.6	8.3	none*		
1055152060	05NECAFCC121	Primary Sample	8/5/05	SC	3.6	8.3	none*		
1055152061	05NECAFCC122	QC Dup of 05NECAFCC121	8/5/05	SC	3.6	8.3	none*		
1055152067	05NECAFCC131		8/5/05	SC	3.6	8.3	none*		
1055152074	05NECAFCC141	Primary Sample	8/7/05	SC	3.6	8.3	none*		
1055152075	05NECAFCC142	QC Dup of 05NECAFCC141	8/7/05	SC	3.6	8.3	none*		
1055152081	05NECAFCC151		8/7/05	SC	3.6	8.3	none*		
1055152086	05NECAFCC161		8/7/05	SC	3.6	8.3	none*		
1055152091	05NECAFCC171		8/7/05	SC	3.6	8.3	none*		
1055152096	05NECAFCC181		8/7/05	SC	3.6	8.3	none*		
1055152101	05NECAFCC191		8/7/05	SC	3.6	4.3	none		
1055152106	05NECAFCC201		8/7/05	SC	3.6	4.3	none		
1055152111	05NECAFCC211		8/7/05	SC	3.6	4.3	none		
1055152116	05NECAFCC221		8/7/05	SC	3.6	4.3	none		
1055152121	05NECAFCC231		8/7/05	SC	3.6	4.3	none		
1055152124	05NECAFCC241		8/7/05	SC	3.6	4.3	none		
1055152127	05NECAFSL24A		8/7/05	SO	3.6	4.3	none		
1055152128	05NECAFSL56Re		8/7/05	SO	3.6	4.3	none		
1055152129	05NECAFSL61Re		8/7/05	SO	3.6	4.3	none		
1055152130	05NEC31SL109Re		8/7/05	SO	3.6	4.3	none		

SDG: 1055480

Date Rec'd: 8/24/05

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1055480001	05NEC31SL19	Primary Sample	8/15/05	SL	4.8	8.7	none*		
1055480002	05NEC31SL20		8/15/05	SL	4.8	8.7	none*		
1055480003	05NEC31SL11	QC Dup of 05NEC31SL19	8/15/05	SL	4.8	8.7	none*		
1055480004	05NECAFSL22	Primary Sample	8/17/05	SL	4.8	8.7	none*		
1055480005	05NECAFSL23	QC Dup of 05NECAFSL22	8/17/05	SL	4.8	8.7	none*		
1055480006	05NECAFSL26		8/17/05	SL	4.8	8.7	none*		
1055480007	05NEC31SL15		8/17/05	SL	4.8	8.7	none*		



## Table 1 - Samples List

### Northeast Cape

Laboratory: **SGSA** (Primary Laboratory)

SDG: **1055480**

Date Rec'd: **8/24/05**

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Polychlorinated Biphenyls</b>									
1055480008	05NEC31SL16		8/17/05	SL	4.8	8.7	none*		
1055480011	05NEC31SL17		8/17/05	SL	4.8	8.7	none*		
1055480012	05NEC31SL31BN		8/19/05	SL	4.8	8.7	none*		
1055480013	05NEC31SL31BE		8/19/05	SL	4.8	8.7	none*		
1055480014	05NEC31SL31BW		8/19/05	SL	4.8	8.7	none*		
1055480015	05NEC31SL06		8/17/05	SL	4.8	8.7	none*		
1055480016	05NEC31SL07		8/19/05	SL	4.8	8.7	none*		
1055480017	05NEC31SL08		8/17/05	SL	4.8	8.7	none*		
1055480018	05NEC31SL31A 2W		8/19/05	SL	4.8	8.7	none*		
1055480019	05NEC31SL09		8/19/05	SL	4.8	8.7	none*		
1055480020	05NEC31SL14		8/19/05	SL	4.8	8.7	none*		
1055480021	Waste 98 A		8/17/05	SL	4.8	8.7	none*		
1055480022	Waste 31 C		8/15/05	SL	4.8	8.7	none*		

SDG: **1055514**

Date Rec'd: **8/25/05**

Lab ID	Field ID	Field QC ID	Date Collected	Matrix	Temp Blank °C:	Cooler °C:	Q <sup>1</sup>	Bias	RC
<b>Total Metals (TCLP)</b>									
1055514001	05NECAFMIO7		8/21/05	WL	NR*	NR*	none		

<sup>1</sup>

If both a temperature blank and cooler temperature are recorded, the temperature blank will be considered most valid; if there is a significant discrepancy between the cooler temperature and the temperature blank, (> 5° C), the most extreme temperature will be used to qualify data for all associated samples - if the temperature is > 6° C, for all target analytes except metals and soil AK101, flag all associated detected and non-detected results as estimated (J/UJ); for metals in water matrix only, if the temperature is < 2° C, flag all associated detected and non-detected results as estimated (J/UJ)

\* NR = Not Reported

**Table 2 - Sampling and Analysis Discrepancies / Deficiencies**

**Laboratory:** SGSA

**SDG:** 1054532

<b>Analysis Type</b>	<b>Affected Samples</b>	<b>Affected Analytes</b>	<b>Discrepancy / Deficiency</b>
PCB	All Applicable		no custody seals present

**SDG:** 1054603

<b>Analysis Type</b>	<b>Affected Samples</b>	<b>Affected Analytes</b>	<b>Discrepancy / Deficiency</b>
PCB	All Applicable	no impact	Samples were received at an elevated temperature

**SDG:** 1055152

<b>Analysis Type</b>	<b>Affected Samples</b>	<b>Affected Analytes</b>	<b>Discrepancy / Deficiency</b>
PCB	All QC/QA triplicate sets (3)		The primary and QC duplicate have the same field ID in the EDF and hardcopy

**SDG:** 1055514

<b>Analysis Type</b>	<b>Affected Samples</b>	<b>Affected Analytes</b>	<b>Discrepancy / Deficiency</b>
TCLP Metals	05NECAFM107		Sample was not dropped off in a cooler-sample was received at ambient temperature

**Table 2 - Sampling and Analysis Discrepancies / Deficiencies**

**Laboratory:** NCAB

**SDG:** B5G0543

Analysis Type	Affected Samples	Affected Analytes	Discrepancy / Deficiency
PCB	All Applicable		Project # not indicated on CoC

**SDG:** B5H0381

Analysis Type	Affected Samples	Affected Analytes	Discrepancy / Deficiency
PCB	All Applicable	limited sample	Sample containers were received less than half full
PCB	All Applicable		Sample collection date & times were not on labels, lab logged in according to CoC

**SDG:** B5H0640

Analysis Type	Affected Samples	Affected Analytes	Discrepancy / Deficiency
PCB	05NEC31SL12 and 05NECAFSL24	limited sample	Containers for samples were only about 1/4 full
PCB	05NEC31SL12 and 05NECAFSL24		Original COC said 05NEC31SLSL12 and 05NEC31SLSL24 sample labels said 05NEC31SL12 and 05NECAFSL24 - lab used lds on CoC
PCB	All Applicable	no impact	Samples were sent to Bethel AK airport on 8/25/05 and redirected to Seattle, samples arrived 8/26/05
PCB	All Applicable		Samples were received at an elevated temperature

### Table 3 - Calibration Range Exceedance Qualifications (o)

The following detected results exceeded calibration range, and are qualified as estimated:

**Analysis Type:**     **Polychlorinated Biphenyls**

**Labcode:**             **NCAB**

Lab ID	Field ID	Matrix	Analyte	Result	Units	Q	Bias	RC
B5G0543-03	05NEC31SLSL10	SO	aroclor 1260	415	µg/Kg	J	N	o

Estimated data are usable for limited purposes. The reported result should be considered an estimated value.

**Table 4 - QA/QC Triplicate Qualifications (n)**

Due to major disagreement between the primary, QC and QA sample results, the following results are qualified as estimated:

**Analysis Type:**     *Polychlorinated Biphenyls*

**Labcode:**             **NCAB**

Lab ID	Field ID	Matrix	Analyte	Result	Units	Q	Bias	RC
B5H0640-02	05NECAFSL24	SO	aroclor 1260	166	µg/Kg	J	N	n

**Labcode:**             **SGSA**

Lab ID	Field ID	Matrix	Analyte	Result	Units	Q	Bias	RC
1055480004	05NECAFSL22	SL	aroclor 1260	< 52.6	µg/Kg	UJ	N	n
1055480005	05NECAFSL23	SL	aroclor 1260	33.3	µg/Kg	J	N	m,n

**Table 5 - Below Reporting Limit Qualifications (m)**

The following results are below the reporting limit, and are qualified as estimated:

**Analysis Type:** *Polychlorinated Biphenyls*

**Labcode:** *NCAB*

Lab ID	Field ID	Matrix	Analyte	Result	RL	Units	Q	Bias	RC
B5G0543-01	05NEC31SLSL08	SO	aroclor 1260	13.2	25	µg/Kg	J	N	m

**Labcode:** *SGSA*

Lab ID	Field ID	Matrix	Analyte	Result	RL	Units	Q	Bias	RC
1054532011	05NEC07SL042	SL	aroclor 1260	53.6	53.8	µg/Kg	J	N	m
1054532022	05NEC31SL091	SL	aroclor 1260	44.5	51.7	µg/Kg	J	N	m
1055152011	05NECAFCC031	SC	aroclor 1260	24.8	47.3	µg/Kg	J	N	m
1055152041	05NECAFCC091	SC	aroclor 1260	44.5	50	µg/Kg	J	N	m
1055480003	05NEC31SL11	SL	aroclor 1260	17.5	58	µg/Kg	J	N	m
1055480005	05NECAFSL23	SL	aroclor 1260	33.3	55.2	µg/Kg	J	N	m,n
1055480007	05NEC31SL15	SL	aroclor 1260	45	51.7	µg/Kg	J	N	m
1055480012	05NEC31SL31B	SL	aroclor 1260	35.6	50.7	µg/Kg	J	N	m
1055480014	05NEC31SL31B	SL	aroclor 1260	32.7	54.9	µg/Kg	J	N	m

**Table 5 - Below Reporting Limit Qualifications (m)**

**Analysis Type:**    *Total Metals (TCLP)*

**Labcode:**            **SGSA**

Lab ID	Field ID	Matrix	Analyte	Result	RL	Units	Q	Bias	RC
1055514001	05NECAFMI07	WL	cadmium	0.0257	0.05	mg/L	J	N	m

## Table 6 - RLs Not Meeting Project-Required RLs

The following reporting limits did not meet the project-required reporting limits:

**Analysis Type: Polychlorinated Biphenyls**

Laboratory: SGSA  
Project ID: 1054532

Sample ID / Field ID	Matrix	Dil Factor	Analyte	PQL	CRQL	Units	factor > CRQL
1054532001 05NEC31SL001	SL	9.981	aroclor 1016	565	300	µg/Kg	2
			aroclor 1221	565	300	µg/Kg	2
			aroclor 1232	565	300	µg/Kg	2
			aroclor 1242	565	300	µg/Kg	2
			aroclor 1248	565	300	µg/Kg	2
			aroclor 1254	565	300	µg/Kg	2
1054532002 05NEC31SL008	SL	9.869	aroclor 1016	592	300	µg/Kg	2
			aroclor 1221	592	300	µg/Kg	2
			aroclor 1232	592	300	µg/Kg	2
			aroclor 1242	592	300	µg/Kg	2
			aroclor 1248	592	300	µg/Kg	2
			aroclor 1254	592	300	µg/Kg	2
1054532003 05NEC31SL013	SL	9.832	aroclor 1016	624	300	µg/Kg	2
			aroclor 1221	624	300	µg/Kg	2
			aroclor 1232	624	300	µg/Kg	2
			aroclor 1242	624	300	µg/Kg	2
			aroclor 1248	624	300	µg/Kg	2
			aroclor 1254	624	300	µg/Kg	2
1054532004 05NEC31SL015	SL	9.958	aroclor 1016	563	300	µg/Kg	2
			aroclor 1221	563	300	µg/Kg	2
			aroclor 1232	563	300	µg/Kg	2
			aroclor 1242	563	300	µg/Kg	2
			aroclor 1248	563	300	µg/Kg	2
			aroclor 1254	563	300	µg/Kg	2
1054532005 05NEC31SL016	SL	49.695	aroclor 1016	2770	300	µg/Kg	9
			aroclor 1221	2770	300	µg/Kg	9
			aroclor 1232	2770	300	µg/Kg	9
			aroclor 1242	2770	300	µg/Kg	9
			aroclor 1248	2770	300	µg/Kg	9
			aroclor 1254	2770	300	µg/Kg	9
1054532006 05NECAFSL062	SL	49.601	aroclor 1016	2700	300	µg/Kg	9
			aroclor 1221	2700	300	µg/Kg	9
			aroclor 1232	2700	300	µg/Kg	9
			aroclor 1242	2700	300	µg/Kg	9
			aroclor 1248	2700	300	µg/Kg	9
			aroclor 1254	2700	300	µg/Kg	9



## **Chemical Data Quality Assurance Report**

MEMORANDUM THRU

CEPOA-EN-ES-M

CEPOA-EN-EE

~~CEPOA-EN-ES~~

FOR CEPOA-PM-C (Cossaboom)

SUBJECT Chemical Data Quality Assessment Report for White Alice Tram and Debris Removal, (ERP030) Northeast Cape, St. Lawrence Island, Alaska.

1. References:

- a. Ethix, Chemical Data Quality Review, Northeast Cape 2005 Sampling Event, Project #04-036.
- b. SGS Environmental Laboratories, Inc., Anchorage Alaska, Laboratory Work Orders: 1055152, 1054532, 1055480, 1055514, and 1054603.
- c. North Creek Analytical, Inc., Bothell Washington, Laboratory Work Orders: B5G0543, B5H0381, and B5H0640.

2. Summary: The referenced report summarizes the technical review of analytical results generated during confirmation sampling of soil and concrete after a PCB removal action at the Northeast Cape White Alice site, St. Lawrence Island, Alaska. The criteria applied for this review are consistent with the project specific data quality objectives (DQOs) detailed in the Sampling and Analysis Plan. The review included evaluation of sample handling, sample preparation and holding time, analytical sensitivity, method blanks, matrix spike (MS) and MS duplicate recoveries, laboratory control sample (LCS) and LCS duplicate recoveries, surrogate recoveries, and field quality control (QC/QA duplicates, trip blanks and equipment blanks). Instrument calibration review and raw data verification were not performed.

3. Background: Confirmation soil (discrete) and concrete (composite, n=4) samples were collected by Bristol Environmental & Engineering Services Corp. in July and August 2005, from locations within the former White Alice installation. The samples were collected for confirmation analysis after excavation of PCB contaminated soil, and grazing or removal of PCB contaminated concrete. Samples were duplicated (QC/QA) at a rate of 10% per method/matrix to assess inter- and intra-laboratory precision. Project samples were specified as MS/MSD at a rate of 5%, and were used to assess matrix effects.

The primary and QC samples were submitted to SGS Environmental Services, Inc. of Anchorage, Alaska, and the QA samples were submitted to North Creek Analytical, Inc. (NCA) of Bothell, Washington. Samples were analyzed using SW846 Method 8082. SGS reported results for seven of the eight PCBs listed in the DOD QSM target analyte list (did not report 1268 results), while NCA reported results for the eight listed PCBs plus PCB-1262; PCB-1260 was the only PCB detected in project samples.

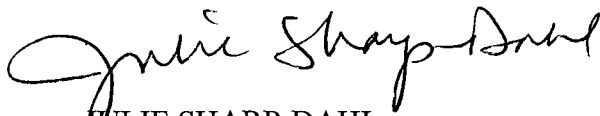
Additional samples were submitted for waste characterization (TCLP metals); review of these data was not required, and will not be addressed in this CDQAR.

4. Data Quality Objectives: Data quality needs to be sufficient to show that any residual PCBs remaining on site are below the State of Alaska Soil Cleanup Level of 1 mg/kg. Composite samples with results > 1ppm were to be analyzed individually in order to demonstrate that each of the individual samples used to create the composite were below the 1 mg/kg cleanup level; none of the composite samples required additional analyses.

5. Chemical Data Quality Assessment: The data are usable for project purposes. None of the composite concrete samples required individual analysis (if the analytical result was greater than the cleanup level divided by the number of samples in the composite [ $1/n * 1 \text{ mg/kg}$ ], the laboratory was to analyze each sample used to create the composite). Surrogate recoveries for samples 05NEC31SL016 and 05NECAFSL062 were outside of criteria due to dilution (~50x); these PCB-1260 results should be considered estimated, bias unknown, due to no surrogate recovery.

6. QC/QA Triplicates: Only one of the eight sets of triplicate results were not considered comparable: 05NECAFS22, -23, and -24 were in disagreement, with the QA sample (-24) having an analytical result ~5x greater than the primary and QC duplicate results, at 0.166 mg/kg (the primary and QC duplicate results were non-detect and an "estimated" result between the MDL and PQL). The laboratory QC data for these triplicate samples were examined by USACE to determine which of the three results was the more accurate: the USACE preferred result is the result reported by the QA lab. The QA lab result was the higher of the three results; the QA sample result had a better surrogate recovery (99.9% vs. 72.3% for DCB), and the QA lab used an additional surrogate (TCMX) which also had very good recovery (88.9%) while the primary lab chose not to use the additional (optional) surrogate.

The Executive Summary in the referenced CDQR erroneously reported "Acceptable agreement was observed in all QA/QC triplicate sets", and later in Table 4, p. E-4-1, erroneously reported a major disagreement between the above mentioned QA/QC triplicate sets. Per EM-200-1-6 Table 4-1, (which were the requirements set forth in the data review SOW) the triplicates are considered "in disagreement" (>3x difference when one result is < R.L.).

  
JULIE SHARP-DAHL  
Environmental Scientist

Encl

## **APPENDIX F**

### **Analytical Laboratory Data Summary Tables**

Table F-1. PCB Results for Excavations 31A-1, 31A-2, 31A-3, 31B, and 31C at Site 31

Laboratory Sample Number				05NEC31SL001		05NEC31SL003		
Field Screening Sample Location ID				31SL001	31SL002	31SL003	31SL004	31SL005
Location				Excavation 31A-1	Excavation 31A-1	Excavation 31A-1	Excavation 31A-1	Excavation 31A-1
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	>0.5	<0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1	5.13		0.286		

Laboratory Sample Number					05NEC31SL006			05NEC31SL007
Field Screening Sample Location ID				31SL006	31SL006 (2 <sup>nd</sup> )	31SL007	31SL007 (2 <sup>nd</sup> )	31SL007 (3 <sup>rd</sup> )
Location				Excavation 31A-2	Excavation 31A-2	Excavation 31A-2	Excavation 31A-2	Excavation 31A-2
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				1.5	2.0	1.5	2.0	2.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	<0.5	>0.5	>0.5	<0.5
Total PCBs	SW8082	mg/Kg	1		2.57			0.0836

Table F-1. PCB Results for Excavations 31A-1, 31A-2, 31A-3, 31B, and 31C at Site 31 (continued)

Laboratory Sample Number				05NEC31SL008	05NEC31SL008Re	05NEC31SL31A-2W	05NEC31SL009	
Field Screening Sample Location ID				31SL008	31SL008 (2 <sup>nd</sup> )	31SL31A-2W	31SL009	31SL010
Location				Excavation 31A-2	Excavation 31A-2	Excavation 31A-2 West Sidewall	Excavation 31A-3	Excavation 31A-3
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				1.5	2.0	2.5	2.0	2.0
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	<0.5	N/A	N/A	N/A
Total PCBs	SW8082	mg/Kg	1	6.95	0.0801	0.412	0.407	

Laboratory Sample Number				05NEC31SL013	05NEC31SL014
Field Screening Sample Location ID				31SL013	31SL014
Location				Excavation 31A-3	Excavation 31A-3
QC Duplicate of					
QA Duplicate of					
Matrix				Soil	Soil
Depth (feet)				2.0	2.0
Parameter	Method	Units	Criteria		
Total PCBs	Ensys Screening	mg/Kg	0.5	N/A	N/A
Total PCBs	SW8082	mg/Kg	1	7.09	1.53

Table F-1. PCB Results for Excavations 31A-1, 31A-2, 31A-3, 31B, and 31C at Site 31 (continued)

Laboratory Sample Number				05NEC31SL015			05NEC31SL015Re
Field Screening Sample Location ID				31SL015	31SL015 (2 <sup>nd</sup> )	31SL015 (3 <sup>rd</sup> )	31SL015 (4 <sup>th</sup> )
Location				Excavation 31B	Excavation 31B	Excavation 31B	Excavation 31B
QC Duplicate of							
QA Duplicate of							
Matrix				Soil	Soil	Soil	Soil
Depth (feet)				0.5	2.5	4.5	6.5
Parameter	Method	Units	Criteria				
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	>0.5	>0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	8.33			0.0450 J

Laboratory Sample Number				05NEC31SL016		05NEC31SL016Re
Field Screening Sample Location ID				31SL016	31SL016 (2 <sup>nd</sup> )	31SL016 (3 <sup>rd</sup> )
Location				Excavation 31B	Excavation 31B	Excavation 31B
QC Duplicate of						
QA Duplicate of						
Matrix				Soil	Soil	Soil
Depth (feet)				0.5	2.5	4.5
Parameter	Method	Units	Criteria			
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	>0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	17.7		0.0978

Table F-1. PCB Results for Excavations 31A-1, 31A-2, 31A-3, 31B, and 31C at Site 31 (continued)

Laboratory Sample Number					05NEC31SL017	05NEC31SL31BE	05NEC31SL31BN	05NEC31SL31BW
Field Screening Sample Location ID					31SL017	31SL017 (2 <sup>nd</sup> )	31SL31BE	31SL31BW
Location					Excavation 31B	Excavation 31B	Excavation 31B East Sidewall	Excavation 31B North Sidewall
QC Duplicate of								
QA Duplicate of								
Matrix					Soil	Soil	Soil	Soil
Depth (feet)					0.5	2.5	2.5	2.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5		>0.5	<0.5	N/A	N/A
Total PCBs	SW8082	mg/Kg	1			0.508	0.0929	0.0356 J

Laboratory Sample Number						
Field Screening Sample Location ID					31SL018	31SL018 (2 <sup>nd</sup> )
Location					Excavation 31C	Excavation 31C
QC Duplicate of						
QA Duplicate of						
Matrix					Soil	Soil
Depth (feet)					0.5	1.5
Parameter	Method	Units	Criteria			
Total PCBs	Ensys Screening	mg/Kg	0.5		>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1			<0.5



Table F-1. PCB Results for Excavations 31A-1, 31A-2, 31A-3, 31B, and 31C at Site 31 (continued)

Laboratory Sample Number						05NEC31SL019	05NEC31SL011	05NEC31SL012
Field Screening Sample Location ID				31SL019	31SL019 (2 <sup>nd</sup> )	31SL019 (3 <sup>rd</sup> )	31SL019 (3 <sup>rd</sup> )	31SL019 (3 <sup>rd</sup> )
Location				Excavation 31C	Excavation 31C	Excavation 31C	Excavation 31C	Excavation 31C
QC Duplicate of							05NEC31SL019	
QA Duplicate of								05NEC31SL019
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	1.5	2.0	2.0	2.0
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	> <b><i>0.5</i></b>	> <b><i>0.5</i></b>	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1			ND (0.0576)	0.0175 J	ND (0.025)

Laboratory Sample Number						05NEC31SL020
Field Screening Sample Location ID				31SL020	31SL020 (2 <sup>nd</sup> )	31SL020 (3 <sup>rd</sup> )
Location				Excavation 31C	Excavation 31C	Excavation 31C
QC Duplicate of						
QA Duplicate of						
Matrix				Soil	Soil	Soil
Depth (feet)				0.5	1.5	2
Parameter	Method	Units	Criteria			
Total PCBs	Ensys Screening	mg/Kg	0.5	> <b><i>0.5</i></b>	> <b><i>0.5</i></b>	<0.5
Total PCBs	SW8082	mg/Kg	1			0.0589

Notes:

1. Concentrations in ***bold italic*** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

Table F-2. PCB Results for Concrete Removal and Soil Excavation at Former Building 1001 Concrete Floor Slab

Laboratory Sample Number				05NEC31SL081	05NEC31SL082	05NEC31SL083	05NEC31SL084	05NEC31SL085
Field Screening Sample Location ID				31SL081	31SL082	31SL082	31SL082	31SL085
Location				1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)
QC Duplicate of						05NEC31SL082		
QA Duplicate of							05NEC31SL082	
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0495)	ND (0.0494)	ND (0.051)	0.0132 J	0.228

Laboratory Sample Number				05NEC31SL086	05NEC31SL087	05NEC31SL088	05NEC31SL089	05NEC31SL090
Field Screening Sample Location ID				31SL086	31SL087	31SL088	31SL089	31SL090
Location				1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)	1001 Room A (Under Concrete)
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0509)	0.0591	0.263	0.173	0.0548

Table F-2. PCB Results for Concrete Removal and Soil Excavation at Former Building 1001 Concrete Floor Slab (continued)

Laboratory Sample Number				05NEC31SL091	05NEC31SL092	05NEC31SL093
Field Screening Sample Location ID				31SL091	31SL092	31SL093
Location				1001 Room G (Under Concrete)	1001 Room G (Under Concrete)	1001 Room G (Under Concrete)
QC Duplicate of						
QA Duplicate of						
Matrix				Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5
Parameter	Method	Units	Criteria			
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	0.0445 J	0.0584	ND (0.050)

Laboratory Sample Number				05NEC31SL094	05NEC31SL095	05NEC31SL096	05NEC31SL097	05NEC31SL098
Field Screening Sample Location ID				31SL094	31SL094	31SL094	31SL097	31SL098
Location				1001 Room C (Under Concrete)	1001 Room C (Under Concrete)	1001 Room C (Under Concrete)	1001 Room C (Under Concrete)	1001 Room C (Under Concrete)
QC Duplicate of					05NEC31SL094			
QA Duplicate of						05NEC31SL094		
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	0.115	0.116	0.0397	0.0968	0.149

Table F-2. PCB Results for Concrete Removal and Soil Excavation at Former Building 1001 Concrete Floor Slab (continued)

Laboratory Sample Number				05NEC31SL099	05NEC31SL100	05NEC31SL101	05NEC31SL102	05NEC31SL103
Field Screening Sample Location ID				31SL099	31SL100	31SL101	31SL102	31SL103
Location				1001 Room E (Under Concrete)	1001 Room E (Under Concrete)	1001 Room E (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	0.114	0.101	0.606	0.432	0.165

Laboratory Sample Number				05NEC31SL104	05NEC31SL105	05NEC31SL106	05NEC31SL107	05NEC31SL108
Field Screening Sample Location ID				31SL104	31SL105	31SL106	31SL106	31SL106
Location				1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)
QC Duplicate of							05NEC31SL106	
QA Duplicate of								05NEC31SL106
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	0.0568	0.0539	0.353	0.52	0.453

Table F-2. PCB Results for Concrete Removal and Soil Excavation at Former Building 1001 Concrete Floor Slab (continued)

Laboratory Sample Number				05NEC31SL109	05NEC31SL109Re	05NEC31SL110	05NEC31SL111	05NEC31SL112
Field Screening Sample Location ID				31SL109	31SL109Re	31SL110	31SL111	31SL112
Location				1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)	1001 Room F (Under Concrete)
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				0.5	1.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	<b>1.44</b>	0.145	0.324	0.169	ND (0.0517)

## Notes:

1. Concentrations in **bold italic** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.

2. Detection limits shown are the Practical Quantitation Limits (PQLs).

3. Only Arochlor 1260 was detected.

< = less than

> = greater than

J = The associated value is an estimated quantity

mg/kg = milligrams per kilogram

NA = not applicable

ND = not detected at concentration shown

PCB = Polychlorinated biphenyl

QA = quality assurance sample analyzed by QA laboratory

QC = quality control sample analyzed by project laboratory

SW = Environmental Protection Agency (EPA) solid waste method

Table F-3. PCB Results for Excavations 7A, 7B, 7C, 7D, 7E, and 7F at Site 7

Laboratory Sample Number							
Field Screening Sample Location ID				07SL029	07SL029	07SL030	07SL030
Location				Excavation 7A	Excavation 7A (2nd)	Excavation 7A	Excavation 7A (2nd)
QC Duplicate of							
QA Duplicate of							
Matrix				Soil	Soil	Soil	Soil
Depth (feet)				2.5	3.5	2.5	3.5
Parameter	Method	Units	Criteria				
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	>0.5	<0.5	>0.5
Total PCBs	SW8082	mg/Kg	1				

Laboratory Sample Number						05NEC07SL032		
Field Screening Sample Location ID				07SL031	07SL031 (2nd)	07SL032	07SL033	07SL034
Location				Excavation 7A	Excavation 7A	Excavation 7B	Excavation 7B	Excavation 7B
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				2.5	3.5	1	1.0	1.0
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	>0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1			0.173		

Table F-3. PCB Results for Excavations 7A, 7B, 7C, 7D, 7E, and 7F at Site 7 (continued)

Laboratory Sample Number					05NEC07SL038				
Field Screening Sample Location ID					07SL037	07SL038	07SL039	07SL040	07SL041
Location					Excavation 7C	Excavation 7C	Excavation 7C	Excavation 7D	Excavation 7D
QC Duplicate of									
QA Duplicate of									
Matrix					Soil	Soil	Soil	Soil	Soil
Depth (feet)					1.5	1.5	1.5	2.0	2.0
Parameter	Method	Units	Criteria						
Total PCBs	Ensys Screening	mg/Kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1			0.0991			

Laboratory Sample Number				05NEC07SL042					
Field Screening Sample Location ID				07SL042	07SL043	07SL043 (2 <sup>nd</sup> )	07SL044	07SL044 (2 <sup>nd</sup> )	
Location				Excavation 7D	Excavation 7E	Excavation 7E	Excavation 7E	Excavation 7E	
QC Duplicate of									
QA Duplicate of									
Matrix				Soil	Soil	Soil	Soil	Soil	
Depth (feet)				2.0	1.0	2.0	1.0	2.0	
Parameter	Method	Units	Criteria						
Total PCBs	Ensys Screening	mg/Kg	0.5		<0.5	>0.5	<0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1		0.0536 J				

Table F-3. PCB Results for Excavations 7A, 7B, 7C, 7D, 7E, and 7F at Site 7 (continued)

Laboratory Sample Number								
Field Screening Sample Location ID				07SL045	07SL045 (2 <sup>nd</sup> )	07SL046	07SL049	07SL050
Location				Excavation 7E	Excavation 7E	Excavation 7F	Excavation 7F	Excavation 7F
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				1.0	2.0	1.0	1.0	1.0
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<b>&gt;0.5</b>	<b>&gt;0.5</b>	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1					

Laboratory Sample Number				Waste 98	Waste 7	Waste 31C	Waste 98A	Waste 110
Field Screening Sample Location ID				Waste 98	Waste 7	Waste 31C	Waste 98A	Waste 110
Location				1 Baker Box	2 Baker Boxes	2 Connexs	2 Connexs	8 Baker Boxes
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)								
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	N/A	N/A	N/A	N/A	N/A
Total PCBs	SW8082	mg/Kg	1	11.9	5.25	ND (0.0542)	0.519	2.02

Notes:

1. Concentrations in **bold italic** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

< = less than  
 > = greater than  
 J = The associated value is an estimated quantity  
 mg/kg = milligrams per kilogram  
 NA = not applicable

ND = not detected at concentration shown  
 PCB = Polychlorinated biphenyl  
 QA = quality assurance sample analyzed by QA laboratory  
 QC = quality control sample analyzed by project laboratory  
 SW = Environmental Protection Agency (EPA) solid waste method



Table F-4. PCB Results for Excavations 14A and 14B at the AFS Ops Area

Laboratory Sample Number							
Field Screening Sample Location ID				AFSL021	AFSL021 (2 <sup>nd</sup> )	AFSL022	AFSL022 (2 <sup>nd</sup> )
Location				Excavation 14A	Excavation 14A	Excavation 14A	Excavation 14A
QC Duplicate of							
QA Duplicate of							
Matrix				Soil	Soil	Soil	Soil
Depth (feet)				1.0	2.0	1.0	2.0
Parameter	Method	Units	Criteria				
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	<0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1				

Laboratory Sample Number				05NECAFSL022	05NECAFSL023	05NECAFSL024		
Field Screening Sample Location ID				AFSL022 (3 <sup>rd</sup> )	AFSL022 (3 <sup>rd</sup> )	AFSL022 (3 <sup>rd</sup> )	AFSL025	AFSL025 (2 <sup>nd</sup> )
Location				Excavation 14A	Excavation 14A	Excavation 14A	Excavation 14A	Excavation 14A
QC Duplicate of					05NECAFSL022			
QA Duplicate of						05NECAFSL022		
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				3.0	3.0	3.0	1.0	2.0
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0526) J	0.0333 J	0.166 J		

Table F-4. PCB Results for Excavations 14A and 14B at the AFS Ops Area (continued)

Laboratory Sample Number						05NECAFSL026		
Field Screening Sample Location ID				AFSL025 (3 <sup>rd</sup> )	AFSL026	AFSL026 (2 <sup>nd</sup> )	AFSL027	AFSL027 (2 <sup>nd</sup> )
Location				Excavation 14A	Excavation 14B	Excavation 14B	Excavation 14B	Excavation 14B
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				3.0	0.5	1.5	0.5	1.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<b>&gt;0.5</b>	<0.5	<b>&gt;0.5</b>	<0.5
Total PCBs	SW8082	mg/Kg	1			0.206		

Laboratory Sample Number					
Field Screening Sample Location ID				AFSL028	AFSL028 (2 <sup>nd</sup> )
Location				Excavation 14B	Excavation 14B
QC Duplicate of					
QA Duplicate of					
Matrix				Soil	Soil
Depth (feet)				0.5	1.5
Parameter	Method	Units	Criteria		
Total PCBs	Ensys Screening	mg/Kg	0.5	<b>&gt;0.5</b>	<0.5
Total PCBs	SW8082	mg/Kg	1		

Notes:

1. Concentrations in **bold italic** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

Table F-5. PCB Results for Excavations 13A-1, 13A-2, 13B-1, 13B-2, 13C, 13D, and 13E at the AFS Ops Area

Laboratory Sample Number								
Field Screening Sample Location ID				AFSL073	AFSL074	AFSL075	AFSL076	AFSL077
Location				Excavation 13A-1	Excavation 13A-1	Excavation 13A-1	Excavation 13A-1	Excavation 13A-1
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				2.5	2.5	2.5	2.5	2.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1					

Laboratory Sample Number								
Field Screening Sample Location ID				AFSL078	AFSL079	AFSL080	AFSL065	AFSL066
Location				Excavation 13A-2	Excavation 13A-2	Excavation 13A-2	Excavation 13B-1	Excavation 13B-1
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				1.5	1.5	1.5	2.5	2.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	>0.5	>0.5	>0.5
Total PCBs	SW8082	mg/Kg	1					

Table F-5. PCB Results for Excavations 13A-1, 13A-2, 13B-1, 13B-2, 13C, 13D, and 13E at the AFS Ops Area (continued)

Laboratory Sample Number									05NECAFSL062
Field Screening Sample Location ID				AFSL067	AFSL068	AFSL069	AFSL070		AFSL062
Location				Excavation 13B-1	Excavation 13B-1	Excavation 13B-1	Excavation 13B-1		Excavation 13B-2
QC Duplicate of									
QA Duplicate of									
Matrix				Soil	Soil	Soil	Soil		Soil
Depth (feet)				2.5	2.5	2.5	2.5		1.5
Parameter	Method	Units	Criteria						
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	<0.5	<0.5	<0.5		>0.5
Total PCBs	SW8082	mg/Kg	1						37.1

Laboratory Sample Number					05NECAFSL064				
Field Screening Sample Location ID				AFSL063	AFSL064	AFSL057	AFSL058		AFSL061
Location				Excavation 13B-2	Excavation 13B-2	Excavation 13C	Excavation 13C		Excavation 13C
QC Duplicate of									
QA Duplicate of									
Matrix				Soil	Soil	Soil	Soil		Soil
Depth (feet)				1.5	1.5	1.5	1.5		1.5
Parameter	Method	Units	Criteria						
Total PCBs	Ensys Screening	mg/Kg	0.5	>0.5	>0.5	<0.5	<0.5		>0.5
Total PCBs	SW8082	mg/Kg	1		1.41				

Table F-5. PCB Results for Excavations 13A-1, 13A-2, 13B-1, 13B-2, 13C, 13D, and 13E at the AFS Ops Area (continued)

Laboratory Sample Number				05NECAFSL061Re				05NECAFSL056Re
Field Screening Sample Location ID				AFSL061 (2 <sup>nd</sup> )	AFSL054	AFSL055	AFSL056	AFSL056 (2 <sup>nd</sup> )
Location				Excavation 13C	Excavation 13D	Excavation 13D	Excavation 13D	Excavation 13D
QC Duplicate of								
QA Duplicate of								
Matrix				Soil	Soil	Soil	Soil	Soil
Depth (feet)				2.5	0.5	0.5	0.5	1.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<b>&gt;0.5</b>	<0.5
Total PCBs	SW8082	mg/Kg	1	0.0771				0.114

Laboratory Sample Number							05NECAFSL053
Field Screening Sample Location ID				AFSL051	AFSL052	AFSL052 (2 <sup>nd</sup> )	AFSL053
Location				Soil Excavation 13E	Soil Excavation 13E	Excavation 13E	Excavation 13E
QC Duplicate of							
QA Duplicate of							
Matrix				Soil	Soil	Soil	Soil
Depth (feet)				1.0	1.0	2.0	1.0
Parameter	Method	Units	Criteria				
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<b>&gt;0.5</b>	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1				0.152

Notes:

1. Concentrations in ***bold italic*** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

Table F-6. PCB Results for Portion of Concrete Slab Removal at Former Building 108 in the AFS Ops Area

Laboratory Sample Number				05NECAFCC221	05NECAFCC231	05NECAFCC241	05NECAFSL24A
Field Screening Sample Location ID				AFCC221	AFCC231	AFCC241	AFCC24A
Location				Building 108	Building 108	Building 108	Building 108
QC Duplicate of							
QA Duplicate of							
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Soil
Depth (feet)				0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria				
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0507)	ND (0.0498)	ND (0.0491)	ND (0.0516)

Notes:

1. Concentrations in ***bold italic*** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

Table F-7. PCB Results for Portion of Concrete Slab Removal at Former Building 109 in the AFS Ops Area

Laboratory Sample Number				05NECAFCC011	05NECAFCC021	05NECAFCC031	05NECAFCC041	05NECAFCC051
Field Screening Sample Location ID				AFCC011	AFCC021	AFCC031	AFCC041	AFCC051
Location				Building 109	Building 109	Building 109	Building 109	Building 109
QC Duplicate of								
QA Duplicate of								
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0488)	ND (0.0481)	0.0248 J	ND (0.0509)	ND (0.0483)

Laboratory Sample Number				05NECAFCC061	05NECAFCC071	05NECAFCC081	05NECAFCC091	05NECAFCC092
Field Screening Sample Location ID				AFCC061	AFCC071	AFCC081	AFCC091	AFCC091
Location				Building 109	Building 109	Building 109	Building 109	Building 109
QC Duplicate of								05NECAFCC091
QA Duplicate of								
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0489)	ND (0.047)	ND (0.0503)	0.0445 J	ND (0.0503)

Table F-7. PCB Results for Portion of Concrete Slab Removal at Former Building 109 in the AFS Ops Area (continued)

Laboratory Sample Number				05NECAFCC093	05NECAFCC101	05NECAFCC111	05NECAFCC121	05NECAFCC122
Field Screening Sample Location ID				AFCC091	AFCC101	AFCC111	AFCC121	AFCC121
Location				Building 109	Building 109	Building 109	Building 109	Building 109
QC Duplicate of								05NECAFCC121
QA Duplicate of				05NECAFCC091				
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	0.0321	ND (0.101)	ND (0.0506)	ND (0.049)	ND (0.0499)

Laboratory Sample Number				05NECAFCC123	05NECAFCC131	05NECAFCC141	05NECAFCC142	05NECAFCC143
Field Screening Sample Location ID				AFCC121	AFCC131	AFCC141	AFCC141	AFCC141
Location				Building 109	Building 109	Building 109	Building 109	Building 109
QC Duplicate of							05NECAFCC141	
QA Duplicate of				05NECAFCC121				05NECAFCC141
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.025)	ND (0.0493)	ND (0.0492)	ND (0.0502)	ND (0.025)



Table F-7. PCB Results for Portion of Concrete Slab Removal at Former Building 109 in the AFS Ops Area (continued)

Laboratory Sample Number				05NECAFCC151	05NECAFCC161	05NECAFCC171	05NECAFCC181	05NECAFCC191
Field Screening Sample Location ID				AFCC151	AFCC161	AFCC171	AFCC181	AFCC191
Location				Building 109	Building 109	Building 109	Building 109	Building 109
QC Duplicate of								
QA Duplicate of								
Matrix				Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5	0.5	0.5	0.5
Parameter	Method	Units	Criteria					
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0501)	ND (0.051)	ND (0.051)	ND (0.0508)	ND (0.0502)

Laboratory Sample Number				05NECAFCC201	05NECAFCC211
Field Screening Sample Location ID				AFCC201	AFCC211
Location				Building 109	Building 109
QC Duplicate of					
QA Duplicate of					
Matrix				Concrete Powder	Concrete Powder
Depth (feet)				0.5	0.5
Parameter	Method	Units	Criteria		
Total PCBs	Ensys Screening	mg/Kg	0.5	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1	ND (0.0488)	ND (0.102)

Notes:

1. Concentrations in ***bold italic*** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

Table F-8. PCB Results for Portion of Concrete Slab Removal at Former Building 110 in the AFS Ops Area

Laboratory Sample Number						
Field Screening Sample Location ID				AFSL113	AFSL114	AFSL115
Location				Building 110 (Under Concrete)	Building 110 (Under Concrete)	Building 110 (Under Concrete)
QC Duplicate of						
QA Duplicate of						
Matrix				Soil	Soil	Soil
Depth (feet)				0.5	0.5	0.5
Parameter	Method	Units	Criteria			
Total PCBs	Ensys Screening	mg/Kg	0.5	<b>&gt;0.5</b>	<0.5	<0.5
Total PCBs	SW8082	mg/Kg	1			

Notes:

1. Concentrations in **bold italic** exceed the Ensys Screening detection level (0.5 mg/kg) or exceed cleanup criteria in Table 6-1.
2. Detection limits shown are the Practical Quantitation Limits (PQLs).
3. Only Arochlor 1260 was detected.

<	=	less than	ND	=	not detected at concentration shown
>	=	greater than	PCB	=	Polychlorinated biphenyl
J	=	The associated value is an estimated quantity	QA	=	quality assurance sample analyzed by QA laboratory
mg/kg	=	milligrams per kilogram	QC	=	quality control sample analyzed by project laboratory
NA	=	not applicable	SW	=	Environmental Protection Agency (EPA) solid waste method

## **APPENDIX G**

### **Analytical Laboratory Data**

Data Package

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Project Number: 04-036

Laboratory Work Order: B5G0543

August 4, 2005

North Creek Analytical  
11720 North Creek Parkway North, Suite 400  
Bothell, WA 98011-8223

Phone: (425) 420-9200  
FAX: (425) 420-9210

## Case Narrative

### Sample Receiving

#### B5G0543:

Three soil samples were collected on 7/19/05 between 8:00 and 11:55. The cooler containing the samples was received at North Creek Analytical – Bothell (NCAB) on 7/26/05 at 2.0°C. All containers and the custody seal arrived intact. The samples were logged in as work order B5G0543.

### Sample Preparation

The samples were prepared and analyzed within the method recommended holding time.

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The samples were prepared in accordance with EPA 3550B in batch 5G27062. Standard aliquots of ~ 30 g were extracted in 1:1 methylene chloride:acetone, solvent exchanged using hexane, and reduced to a final volume of 5 mLs in hexane.

### Analysis

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The samples were analyzed in accordance with EPA 8082.

On the Analysis Data Sheet forms, the Aroclor 1260 results which differed by more than 25% between two dissimilar columns were "P"-flagged [samples 05NEC31SLSL084 (B5G0543-01), 05NEC31SLSL096 (B5G0543-02), and 05NEC31SLSL108 (B5G0543-03RE1)]. The 25% threshold is an automatic setting of the forms generation software. NCAB policy for EPA 8082 is to qualify results which differ by more than 40% between two dissimilar columns. Due to this discrepancy between the forms-generation software and the laboratory's standard practice, no "P" qualifiers appeared in the analytical report.

Due to a software limitation, the batch QC source sample for batch 5G27062 (B5G0492-03, a non-client sample) did not appear on the Analysis Batch (Sequence) Summary for sequence 5G28031. The sample was analyzed on 7/28/05 at 14:37 on ECD-6.

On the Analysis Batch (Sequence) Summary forms for sequences 5G28031 and 5G29005, an extra Continuing Calibration Verification (CCV) was listed (5G28031-CCV5 and 5G29005-CCV4, respectively). These CCVs were not associated with the client or batch QC samples reported for this work order. The individual Continuing Calibration Check forms for these two CCVs were not included in the data package.

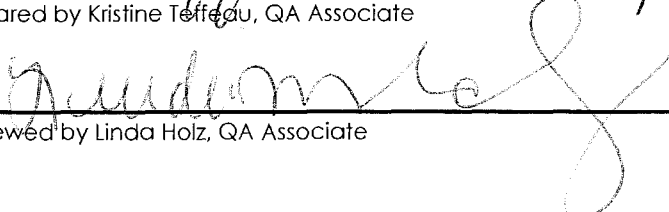
For the CCV analyzed on 7/29/05 at 8:04, the percent recoveries for Aroclor 1016 (4-5), Aroclor 1260 (2-3, 5), and the surrogate Decachlorobiphenyl (DCB) were below the acceptance criteria of 85-115% on Signal 2. For the CCV analyzed on 7/29/05 at 10:57, the percent recoveries for Aroclor 1016 (4-5) and Aroclor 1260 (5) were below the acceptance criteria on Signal 2. The results for the associated sample [05NEC31SLSL108 (B5G0543-03RE1)] were reported from Signal 1. The corresponding Continuing Calibration Check forms only include results from Signal 1.

### Quality Assurance

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The recoveries for the monitored target analytes were within the established acceptance criteria.

"I certify that this data package is in compliance with the Contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signatures:"

 8/4/05  
\_\_\_\_\_  
Prepared by Kristine Toffeau, QA Associate

 8/4/05  
\_\_\_\_\_  
Reviewed by Linda Holz, QA Associate

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<b>COELT Report</b>	<b>104</b>	<b>112</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



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USACE - Alaska  
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Elmendorf AFB, AK/USA 99506-6898

Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
08/04/05 11:41

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
05NEC31SLSL084	B5G0543-01	Soil	07/19/05 08:00	07/26/05 09:25
05NEC31SLSL096	B5G0543-02	Soil	07/19/05 11:05	07/26/05 09:25
05NEC31SLSL108	B5G0543-03	Soil	07/19/05 11:55	07/26/05 09:25

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Elmendorf AFB, AK/USA 99506-6898

Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
08/04/05 11:41

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>05NEC31SLSL084 (B5G0543-01) Soil Sampled: 07/19/05 08:00 Received: 07/26/05 09:25</b>										
Aroclor 1016	ND	3.48	25.0	ug/kg dry	1	5G27062	07/27/05	07/28/05	EPA 8082	U
Aroclor 1221	ND	13.3	50.0	"	"	"	"	"	"	U
Aroclor 1232	ND	5.76	25.0	"	"	"	"	"	"	U
Aroclor 1242	ND	2.08	25.0	"	"	"	"	"	"	U
Aroclor 1248	ND	1.78	25.0	"	"	"	"	"	"	U
Aroclor 1254	ND	1.49	25.0	"	"	"	"	"	"	U
<b>Aroclor 1260</b>	<b>13.2</b>	0.870	25.0	"	"	"	"	"	"	<b>J</b>
Aroclor 1262	ND	1.46	25.0	"	"	"	"	"	"	U
Aroclor 1268	ND	6.20	25.0	"	"	"	"	"	"	U
Surrogate: TCX	94.2 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	101 %		60-125			"	"	"	"	
<b>05NEC31SLSL096 (B5G0543-02) Soil Sampled: 07/19/05 11:05 Received: 07/26/05 09:25</b>										
Aroclor 1016	ND	3.48	25.0	ug/kg dry	1	5G27062	07/27/05	07/28/05	EPA 8082	U
Aroclor 1221	ND	13.3	50.0	"	"	"	"	"	"	U
Aroclor 1232	ND	5.76	25.0	"	"	"	"	"	"	U
Aroclor 1242	ND	2.08	25.0	"	"	"	"	"	"	U
Aroclor 1248	ND	1.78	25.0	"	"	"	"	"	"	U
Aroclor 1254	ND	1.49	25.0	"	"	"	"	"	"	U
<b>Aroclor 1260</b>	<b>39.7</b>	0.870	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	1.46	25.0	"	"	"	"	"	"	U
Aroclor 1268	ND	6.20	25.0	"	"	"	"	"	"	U
Surrogate: TCX	91.3 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	103 %		60-125			"	"	"	"	

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Elmendorf AFB, AK/USA 99506-6898

Project: Northeast Cape White Alice BDDR Removal

Project Number: 04-036

Project Manager: Julie Sharp-Dahl

Reported:

08/04/05 11:41

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>05NEC31SLSL108 (B5G0543-03) Soil Sampled: 07/19/05 11:55 Received: 07/26/05 09:25</b>										
Aroclor 1016	ND	3.48	25.0	ug/kg dry	1	5G27062	07/27/05	07/28/05	EPA 8082	U
Aroclor 1221	ND	13.3	50.0	"	"	"	"	"	"	U
Aroclor 1232	ND	5.76	25.0	"	"	"	"	"	"	U
Aroclor 1242	ND	2.08	25.0	"	"	"	"	"	"	U
Aroclor 1248	ND	1.78	25.0	"	"	"	"	"	"	U
Aroclor 1254	ND	1.49	25.0	"	"	"	"	"	"	U
<b>Aroclor 1260</b>	<b>415</b>	0.870	25.0	"	"	"	"	"	"	E
Aroclor 1262	ND	1.46	25.0	"	"	"	"	"	"	U
Aroclor 1268	ND	6.20	25.0	"	"	"	"	"	"	U
Surrogate: TCX	96.0 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	100 %		60-125			"	"	"	"	
<b>05NEC31SLSL108 (B5G0543-03RE1) Soil Sampled: 07/19/05 11:55 Received: 07/26/05 09:25</b>										
Aroclor 1016	ND	17.4	125	ug/kg dry	5	5G27062	07/27/05	07/29/05	EPA 8082	U
Aroclor 1221	ND	66.4	250	"	"	"	"	"	"	U
Aroclor 1232	ND	28.8	125	"	"	"	"	"	"	U
Aroclor 1242	ND	10.4	125	"	"	"	"	"	"	U
Aroclor 1248	ND	8.90	125	"	"	"	"	"	"	U
Aroclor 1254	ND	7.45	125	"	"	"	"	"	"	U
<b>Aroclor 1260</b>	<b>453</b>	4.35	125	"	"	"	"	"	"	
Aroclor 1262	ND	7.30	125	"	"	"	"	"	"	U
Aroclor 1268	ND	31.0	125	"	"	"	"	"	"	U
Surrogate: TCX	97.2 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	119 %		60-125			"	"	"	"	

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
08/04/05 11:41

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>05NEC31SLSL084 (B5G0543-01) Soil    Sampled: 07/19/05 08:00    Received: 07/26/05 09:25</b>										
Dry Weight	97.6	1.00	1.00	%	1	5G27046	07/27/05	07/28/05	SOPSPL003R1	
<b>05NEC31SLSL096 (B5G0543-02) Soil    Sampled: 07/19/05 11:05    Received: 07/26/05 09:25</b>										
Dry Weight	98.5	1.00	1.00	%	1	5G27046	07/27/05	07/28/05	SOPSPL003R1	
<b>05NEC31SLSL108 (B5G0543-03) Soil    Sampled: 07/19/05 11:55    Received: 07/26/05 09:25</b>										
Dry Weight	97.1	1.00	1.00	%	1	5G27046	07/27/05	07/28/05	SOPSPL003R1	

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
08/04/05 11:41

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
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**Batch 5G27062: Prepared 07/27/05 Using EPA 3550B**

**Blank (5G27062-BLK2)**

Aroclor 1016	ND	3.48	25.0	ug/kg					U
Aroclor 1221	ND	13.3	50.0	"					U
Aroclor 1232	ND	5.76	25.0	"					U
Aroclor 1242	ND	2.08	25.0	"					U
Aroclor 1248	ND	1.78	25.0	"					U
Aroclor 1254	ND	1.49	25.0	"					U
Aroclor 1260	ND	0.870	25.0	"					U
Aroclor 1262	ND	1.46	25.0	"					U
Aroclor 1268	ND	6.20	25.0	"					U

Surrogate: TCX 5.81 " 6.67 87.1 % 40-140

Surrogate: Decachlorobiphenyl 7.06 " 6.67 106 % 60-125

**LCS (5G27062-BS2)**

Aroclor 1016	66.4	3.48	25.0	ug/kg	83.3	79.7	40-140
Aroclor 1260	81.3	0.870	25.0	"	83.3	97.6	60-130

Surrogate: TCX 5.82 " 6.67 87.3 % 40-140

Surrogate: Decachlorobiphenyl 6.87 " 6.67 103 % 60-125

**LCS Dup (5G27062-BS2)**

Aroclor 1016	69.0	3.48	25.0	ug/kg	83.3	82.8	40-140	3.84	30
Aroclor 1260	82.4	0.870	25.0	"	83.3	98.9	60-130	1.34	30

Surrogate: TCX 5.70 " 6.67 85.5 % 40-140

Surrogate: Decachlorobiphenyl 6.97 " 6.67 104 % 60-125

**Matrix Spike (5G27062-MS2)**

Source: B5G0492-03

Aroclor 1016	142	10.4	74.6	ug/kg dry	245	ND	58.0	40-140
Aroclor 1260	424	2.60	74.6	"	245	141	116	60-130

Surrogate: TCX 16.7 " 19.6 85.2 % 40-140

Surrogate: Decachlorobiphenyl 19.7 " 19.6 101 % 60-125

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
08/04/05 11:41

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5G27062: Prepared 07/27/05 Using EPA 3550B**

**Matrix Spike Dup (5G27062-MSD2)**

**Source: B5G0492-03**

Aroclor 1016	135	10.4	74.6 ug/kg dry	251	ND	53.8	40-140	5.05	30	
Aroclor 1260	371	2.60	74.6 "	251	141	91.6	60-130	13.3	30	
Surrogate: TCX	16.6		"	20.1		82.6 %	40-140			
Surrogate: Decachlorobiphenyl	19.6		"	20.1		97.5 %	60-125			

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USACE - Alaska PO Box 6898, Building 2212 Third Street Elmendorf AFB, AK/USA 99506-6898	Project: Northeast Cape White Alice BDDR Removal Project Number: 04-036 Project Manager: Julie Sharp-Dahl	Reported: 08/04/05 11:41
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**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch 5G27046: Prepared 07/27/05 Using Dry Weight**

**Blank (5G27046-BLK1)**

Dry Weight	100	1.00	1.00	%
------------	-----	------	------	---

North Creek Analytical - Bothell

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Kate Haney, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
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Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-6302  
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541.363.9310 fax 541.362.7588  
Anchorage 2000 W. International Airport Road, Suite A10, Anchorage, AK 99502-1119  
907.563.9200 fax 907.563.9210

USACE - Alaska

PO Box 6898, Building 2212 Third Street

Elmendorf AFB, AK/USA 99506-6898

Project: Northeast Cape White Alice BDDR Removal

Project Number: 04-036

Project Manager: Julie Sharp-Dahl

Reported:

08/04/05 11:41

### Notes and Definitions

E Estimated value. The reported value exceeds the calibration range of the analysis.  
J Estimated value.  
U Analyte included in the analysis but not detected.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

North Creek Analytical, Inc.  
Environmental Laboratory Network

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North Creek Analytical - Bothell

SDG:

CLASS: SVOA

METHOD: EPA 8082



# ANALYSES DATA PACKAGE COVER PAGE

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

---

**Client Sample Id:**

05NEC31SLSL084

05NEC31SLSL096

05NEC31SLSL108

05NEC31SLSL108

**Lab Sample Id:**

B5G0543-01

B5G0543-02

B5G0543-03

B5G0543-03RE1

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:

KE Tefean

Name:

KE Tefean

Date:

8/4/05

Title:

QA Associate

# METHOD DETECTION AND REPORTING LIMITS

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Re

Matrix: Soil

Instrument: ECD-6

Analyte	MDL	MRL	Units
Aroclor 1016	3.48	25.0	ug/kg
Aroclor 1221	13.3	50.0	ug/kg
Aroclor 1232	5.76	25.0	ug/kg
Aroclor 1242	2.08	25.0	ug/kg
Aroclor 1248	1.78	25.0	ug/kg
Aroclor 1254	1.49	25.0	ug/kg
Aroclor 1260	0.870	25.0	ug/kg
Aroclor 1262	1.46	25.0	ug/kg
Aroclor 1268	6.20	25.0	ug/kg

# ORGANIC ANALYSIS DATA SHEET

EPA 8082

05NEC31SLSL084

Laboratory: North Creek Analytical - Bothell      SDG: \_\_\_\_\_

Client: USACE - Alaska      Project: Northeast Cape White Alice BDDR Removal

Matrix: Soil      Laboratory ID: B5G0543-01      File ID: G28010.D

Sampled: 07/19/05 08:00      Prepared: 07/27/05 14:32      Analyzed: 07/28/05 14:55

Solids: 97.60      Preparation: EPA 3550B      Initial/Final: 29.7 g / 5 ml

Batch: 5G27062      Sequence: 5G28031      Calibration: 5062702      Instrument: ECD-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	3.48	U
11104-28-2	Aroclor 1221	1	13.3	U
11141-16-5	Aroclor 1232	1	5.76	U
53469-21-9	Aroclor 1242	1	2.08	U
12672-29-6	Aroclor 1248	1	1.78	U
11097-69-1	Aroclor 1254	1	1.49	U
11096-82-5	Aroclor 1260	1	13.2	JP
37324-23-5	Aroclor 1262	1	1.46	U
11100-14-4	Aroclor 1268	1	6.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
TCX	6.90	6.50	94.2	40 - 140	
Decachlorobiphenyl	6.90	7.00	101	60 - 125	

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8082

05NEC31SLSL096

Laboratory:	North Creek Analytical - Bothell	SDG:	
Client:	USACE - Alaska	Project:	Northeast Cape White Alice BDDR Removal
Matrix:	Soil	Laboratory ID:	B5G0543-02
		File ID:	G28011.D
Sampled:	07/19/05 11:05	Prepared:	07/27/05 14:32
		Analyzed:	07/28/05 15:13
Solids:	98.50	Preparation:	EPA 3550B
		Initial/Final:	30.4 g / 5 ml
Batch:	5G27062	Sequence:	5G28031
		Calibration:	5062702
		Instrument:	ECD-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	3.48	U
11104-28-2	Aroclor 1221	1	13.3	U
11141-16-5	Aroclor 1232	1	5.76	U
53469-21-9	Aroclor 1242	1	2.08	U
12672-29-6	Aroclor 1248	1	1.78	U
11097-69-1	Aroclor 1254	1	1.49	U
11096-82-5	Aroclor 1260	1	39.7	P
37324-23-5	Aroclor 1262	1	1.46	U
11100-14-4	Aroclor 1268	1	6.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
TCX	6.68	6.10	91.3	40 - 140	
Decachlorobiphenyl	6.68	6.91	103	60 - 125	

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8082

05NEC31SLSL108

Laboratory: North Creek Analytical - Bothell      SDG: \_\_\_\_\_  
 Client: USACE - Alaska      Project: Northeast Cape White Alice BDDR Removal  
 Matrix: Soil      Laboratory ID: B5G0543-03      File ID: G28012.D  
 Sampled: 07/19/05 11:55      Prepared: 07/27/05 14:32      Analyzed: 07/28/05 15:31  
 Solids: 97.10      Preparation: EPA 3550B      Initial/Final: 30.2 g / 5 ml  
 Batch: 5G27062      Sequence: 5G28031      Calibration: 5062702      Instrument: ECD-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	3.48	U
11104-28-2	Aroclor 1221	1	13.3	U
11141-16-5	Aroclor 1232	1	5.76	U
53469-21-9	Aroclor 1242	1	2.08	U
12672-29-6	Aroclor 1248	1	1.78	U
11097-69-1	Aroclor 1254	1	1.49	U
11096-82-5	Aroclor 1260	1	415	EX
37324-23-5	Aroclor 1262	1	1.46	U
11100-14-4	Aroclor 1268	1	6.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
TCX	6.82	6.55	96.0	40 - 140	
Decachlorobiphenyl	6.82	6.82	100	60 - 125	

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8082

05NEC31SLSL108

Laboratory: North Creek Analytical - Bothell SDG: \_\_\_\_\_  
 Client: USACE - Alaska Project: Northeast Cape White Alice BDDR Removal  
 Matrix: Soil Laboratory ID: B5G0543-03RE1 File ID: G29004.D  
 Sampled: 07/19/05 11:55 Prepared: 07/27/05 14:32 Analyzed: 07/29/05 09:07  
 Solids: 97.10 Preparation: EPA 3550B Initial/Final: 30.2 g / 5 ml  
 Batch: 5G27062 Sequence: 5G29005 Calibration: 5062702 Instrument: ECD-6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	5	17.4	UD
11104-28-2	Aroclor 1221	5	66.4	UD
11141-16-5	Aroclor 1232	5	28.8	UD
53469-21-9	Aroclor 1242	5	10.4	UD
12672-29-6	Aroclor 1248	5	8.90	UD
11097-69-1	Aroclor 1254	5	7.45	UD
11096-82-5	Aroclor 1260	5	453	DP
37324-23-5	Aroclor 1262	5	7.30	UD
11100-14-4	Aroclor 1268	5	31.0	UD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
TCX	6.82	6.63	97.2	40 - 140	
Decachlorobiphenyl	6.82	8.10	119	60 - 125	

\* Values outside of QC limits

# PREPARATION BATCH SUMMARY

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Batch: 5G27062 Batch Matrix: Soil

Preparation: EPA 3550B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL / FINAL	OBSERVATIONS
Blank	5G27062-BLK2	07/27/05 14:32	30 g / 5 ml	PCB BLK1
LCS	5G27062-BS2	07/27/05 14:32	30 g / 5 ml	
LCS Dup	5G27062-BSD2	07/27/05 14:32	30 g / 5 ml	
Matrix Spike	5G27062-MS2	07/27/05 14:32	30.4 g / 5 ml	moist
Matrix Spike Dup	5G27062-MSD2	07/27/05 14:32	29.7 g / 5 ml	moist
05NEC31SLSL084	B5G0543-01	07/27/05 14:32	29.7 g / 5 ml	sand & rocks
05NEC31SLSL096	B5G0543-02	07/27/05 14:32	30.4 g / 5 ml	sand & rocks
05NEC31SLSL108	B5G0543-03	07/27/05 14:32	30.2 g / 5 ml	sand & rocks
05NEC31SLSL108	B5G0543-03RE1	07/27/05 14:32	30.2 g / 5 ml	Added 7/29/2005 by EAG

# METHOD BLANK DATA SHEET

## EPA 8082

Laboratory: North Creek Analytical - Bothell      SDG: \_\_\_\_\_  
 Client: USACE - Alaska      Project: Northeast Cape White Alice BDDR Removal  
 Matrix: Soil      Laboratory ID: 5G27062-BLK2      File ID: G28004.D  
 Prepared: 07/27/05 14:32      Preparation: EPA 3550B      Initial/Final: 30 g / 5 ml  
 Analyzed: 07/28/05 13:05      Instrument: ECD-6  
 Batch: 5G27062      Sequence: 5G28031      Calibration: 5062702

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	3.48	U
11104-28-2	Aroclor 1221	13.3	U
11141-16-5	Aroclor 1232	5.76	U
53469-21-9	Aroclor 1242	2.08	U
12672-29-6	Aroclor 1248	1.78	U
11097-69-1	Aroclor 1254	1.49	U
11096-82-5	Aroclor 1260	0.870	U
37324-23-5	Aroclor 1262	1.46	U
11100-14-4	Aroclor 1268	6.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
TCX	6.67	5.81	87.1	40 - 140	
Decachlorobiphenyl	6.67	7.06	106	60 - 125	



# LCS / LCS DUPLICATE RECOVERY

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Matrix: Soil

Batch: 5G27062

Laboratory ID: 5G27062-BS2

Preparation: EPA 3550B

Initial/Final: 30 g / 5 ml

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. #	QC LIMITS REC.
Aroclor 1016	83.3	66.4	79.7	40 - 140
Aroclor 1260	83.3	81.3	97.6	60 - 130

# - Column to be used to flag recovery and RPD values with an asterisk

\* - Indicates value outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Matrix: Soil

Batch: 5G27062

Laboratory ID: 5G27062-BSD2

Preparation: EPA 3550B

Initial/Final: 30 g / 5 ml

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor 1016	83.3	69.0	82.8	3.84	30	40 - 140
Aroclor 1260	83.3	82.4	98.9	1.34	30	60 - 130

# - Column to be used to flag recovery and RPD values with an asterisk

\* - Indicates value outside of QC limits

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY****EPA 8082****B5G0492-03**Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - AlaskaProject: Northeast Cape White Alice BDDR RemovalMatrix: SoilBatch: 5G27062Laboratory ID: 5G27062-MS2Preparation: EPA 3550BInitial/Final: 30.4 g / 5 mlSource Sample Name: B5G0492-03

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. #	QC LIMITS REC.
Aroclor 1016	245	ND	142	58.0	40 - 140
Aroclor 1260	245	141	424	116	60 - 130

# - Column to be used to flag recovery and RPD values with an asterisk \* - Indicates value outside of QC limits

**MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY****EPA 8082****B5G0492-03**Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - AlaskaProject: Northeast Cape White Alice BDDR RemovalMatrix: SoilBatch: 5G27062Laboratory ID: 5G27062-MSD2Preparation: EPA 3550BInitial/Final: 29.7 g / 5 mlSource Sample Name: B5G0492-03

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor 1016	251	135	53.8	5.05	30	40 - 140
Aroclor 1260	251	371	91.6	13.3	30	60 - 130

# - Column to be used to flag recovery and RPD values with an asterisk \* - Indicates value outside of QC limits

# ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Sequence: 5G28031

Instrument: ECD-6

Matrix: Soil

Calibration: 5062702

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	5G28031-CCV1	G28003.D	07/28/05 11:12
Blank	5G27062-BLK2	G28004.D	07/28/05 13:05
LCS	5G27062-BS2	G28005.D	07/28/05 13:24
LCS Dup	5G27062-BSD2	G28006.D	07/28/05 13:42
Matrix Spike	5G27062-MS2	G28007.D	07/28/05 14:00
Matrix Spike Dup	5G27062-MSD2	G28008.D	07/28/05 14:18
05NEC31SLSL084	B5G0543-01	G28010.D	07/28/05 14:55
05NEC31SLSL096	B5G0543-02	G28011.D	07/28/05 15:13
05NEC31SLSL108	B5G0543-03	G28012.D	07/28/05 15:31
Calibration Check	5G28031-CCV3	G28014.D	07/28/05 16:08
Calibration Check	5G28031-CCV5	G28023.D	07/28/05 18:52

# CONTINUING CALIBRATION CHECK

**EPA 8082**

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Instrument ID: ECD-6

Calibration: 5062702

Lab File ID: G28003.D

Calibration Date: 06/27/05 11:14

Sequence: 5G28031

Injection Date: 07/28/05

Lab Sample ID: 5G28031-CCV1

Injection Time: 11:12

COMPOUND	TYPE	CONC. (ng/ml)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor 1016	L	1000	989	0			-1.10	15
Aroclor 1260	A	1000	1070	0				15
TCX	A	100	101	8513130	8585000		0.844	15
Decachlorobiphenyl	A	100	111	4714240	5215000		10.6	15

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

# CONTINUING CALIBRATION CHECK

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Instrument ID: ECD-6

Calibration: 5062702

Lab File ID: G28014.D

Calibration Date: 06/27/05 11:14

Sequence: 5G28031

Injection Date: 07/28/05

Lab Sample ID: 5G28031-CCV3

Injection Time: 16:08

COMPOUND	TYPE	CONC. (ng/ml)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor 1016	L	1000	1010	0			1.00	15
Aroclor 1260	A	1000	1080	0				15
TCX	A	100	102	8513130	8704000		2.24	15
Decachlorobiphenyl	A	100	110	4714240	5201000		10.3	15

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

**EPA 8082**

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Sequence: 5G28031

Instrument: ECD-6

Matrix: Soil

Calibration: 5062702

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
<b>Blank (5G27062-BLK2 )</b>		Lab File ID: G28004.D			Analyzed: 07/28/05 13:05			
TCX	6.67	87.1	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.67	106	60 - 125	10.49	10.9512	-0.4612	+/-1.0	
<b>LCS (5G27062-BS2 )</b>		Lab File ID: G28005.D			Analyzed: 07/28/05 13:24			
TCX	6.67	87.3	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.67	103	60 - 125	10.48	10.9512	-0.4712	+/-1.0	
<b>LCS Dup (5G27062-BS2 )</b>		Lab File ID: G28006.D			Analyzed: 07/28/05 13:42			
TCX	6.67	85.5	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.67	104	60 - 125	10.48	10.9512	-0.4712	+/-1.0	
<b>Matrix Spike (5G27062-MS2 )</b>		Lab File ID: G28007.D			Analyzed: 07/28/05 14:00			
TCX	19.6	85.2	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	19.6	101	60 - 125	10.48	10.9512	-0.4712	+/-1.0	
<b>Matrix Spike Dup (5G27062-MS2 )</b>		Lab File ID: G28008.D			Analyzed: 07/28/05 14:18			
TCX	20.1	82.6	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	20.1	97.5	60 - 125	10.48	10.9512	-0.4712	+/-1.0	
<b>05NEC31SLSL084 (B5G0543-01 )</b>		Lab File ID: G28010.D			Analyzed: 07/28/05 14:55			
TCX	6.90	94.2	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.90	101	60 - 125	10.48	10.9512	-0.4712	+/-1.0	
<b>05NEC31SLSL096 (B5G0543-02 )</b>		Lab File ID: G28011.D			Analyzed: 07/28/05 15:13			
TCX	6.68	91.3	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.68	103	60 - 125	10.47	10.9512	-0.4812	+/-1.0	
<b>05NEC31SLSL108 (B5G0543-03 )</b>		Lab File ID: G28012.D			Analyzed: 07/28/05 15:31			
TCX	6.82	96.0	40 - 140	4.13	4.56875	-0.4388	+/-1.0	
Decachlorobiphenyl	6.82	100	60 - 125	10.48	10.9512	-0.4712	+/-1.0	



**ANALYSIS BATCH (SEQUENCE) SUMMARY**  
**EPA 8082**

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Sequence: 5G29005

Instrument: ECD-6

Matrix: Soil

Calibration: 5062702

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	5G29005-CCV1	G29003.D	07/29/05 08:04
05NEC31SLSL108	B5G0543-03RE1	G29004.D	07/29/05 09:07
Calibration Check	5G29005-CCV2	G29010.D	07/29/05 10:57
Calibration Check	5G29005-CCV4	G29015.D	07/29/05 12:28

# CONTINUING CALIBRATION CHECK

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Instrument ID: ECD-6

Calibration: 5062702

Lab File ID: G29003.D

Calibration Date: 06/27/05 11:14

Sequence: 5G29005

Injection Date: 07/29/05

Lab Sample ID: 5G29005-CCV1

Injection Time: 08:04

COMPOUND	TYPE	CONC. (ug/l)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor 1016	L	1000	983	0			-1.70	15
Aroclor 1260	A	1000	1020	0				15
TCX	A	100	99.7	8513130	8492000		-0.248	15
Decachlorobiphenyl	A	100	103	4714240	4869000		3.28	15

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

# CONTINUING CALIBRATION CHECK

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Instrument ID: ECD-6

Calibration: 5062702

Lab File ID: G29010.D

Calibration Date: 06/27/05 11:14

Sequence: 5G29005

Injection Date: 07/29/05

Lab Sample ID: 5G29005-CCV2

Injection Time: 10:57

COMPOUND	TYPE	CONC. (ug/l)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor 1016	L	1000	983	0			-1.70	15
Aroclor 1260	A	1000	1030	0				15
TCX	A	100	100	8513130	8530000		0.198	15
Decachlorobiphenyl	A	100	103	4714240	4866000		3.22	15

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Sequence: 5G29005

Instrument: ECD-6

Matrix: Water

Calibration: 5062702

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
<b>05NEC31SLSL108 (B5G0543-03RE1 )</b>			Lab File ID: G29004.D		Analyzed: 07/29/05 09:07			
TCX	6.82	97.2	40 - 140	4.14	4.56875	-0.4288	+/-1.0	
Decachlorobiphenyl	6.82	119	60 - 125	10.49	10.9512	-0.4612	+/-1.0	

# INITIAL CALIBRATION STANDARDS

## EPA 8082

Laboratory: North Creek Analytical - Bothell      SDG:  
Client: USACE - Alaska      Project: Northeast Cape White Alice BDDR Removal  
Sequence: 5F22008      Instrument: ECD-6  
Calibration: 5062702

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
5060004	10 ug/L PCB Initial Calibration	5F22008-CAL1	F22019.D	06/22/05 16:28
5060005	50 ug/L PCB Initial Calibration	5F22008-CAL2	F22020.D	06/22/05 16:47
5060006	100 ug/L PCB Initial Calibration	5F22008-CAL3	F22021.D	06/22/05 17:05
5060007	200 ug/L PCB Initial Calibration	5F22008-CAL4	F22022.D	06/22/05 17:23
5060008	500 ug/L PCB Initial Calibration	5F22008-CAL5	F22023.D	06/22/05 17:42
5060009	1000 ug/L PCB Initial Calibration	5F22008-CAL6	F22024.D	06/22/05 18:00
5060010	1500 ug/L PCB Initial Calibration	5F22008-CAL7	F22025.D	06/22/05 18:18
5060011	2000 ug/L PCB Initial Calibration	5F22008-CAL8	F22026.D	06/22/05 18:36
4070222	1016/1260 2nd Source Std	5F22008-SCV2	F22028.D	06/22/05 19:14

# INITIAL CALIBRATION DATA

## EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Rem

Calibration: 5062702

Instrument: ECD-6

Matrix: Soil

Calibration Date: 06/27/05 11:14

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF
Aroclor 1016 [1]	10	2087330	50	306385	100	221289	200	174038	500	143413	1000	131800
Aroclor 1016 [1]	10	2087330	50	306385	100	221289	200	174038	500	143413	1000	131800
Aroclor 1016 [2]	10	5532720	50	831661	100	600215	200	441552	500	364000	1000	332600
Aroclor 1016 [2]	10	5532720	50	831661	100	600215	200	441552	500	364000	1000	332600
Aroclor 1016 [3]	10	1.255E+07	50	1659730	100	1198000	200	901500	500	720200	1000	663900
Aroclor 1016 [3]	10	1.255E+07	50	1659730	100	1198000	200	901500	500	720200	1000	663900
Aroclor 1016 [4]	10	5227440	50	672095	100	481824	200	373044	500	286000	1000	248200
Aroclor 1016 [4]	10	5227440	50	672095	100	481824	200	373044	500	286000	1000	248200
Aroclor 1016 [5]	10	4683080	50	565221	100	414118	200	298423	500	244800	1000	210800
Aroclor 1016 [5]	10	4683080	50	565221	100	414118	200	298423	500	244800	1000	210800
Aroclor 1016	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1016	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1016 [1] [2C]	10	2471430	50	361738	100	290244	200	227282	500	207400	1000	171100
Aroclor 1016 [1] [2C]	10	2471430	50	361738	100	290244	200	227282	500	207400	1000	171100
Aroclor 1016 [2] [2C]	10	4285410	50	661824	100	471119	200	353913	500	305600	1000	269900
Aroclor 1016 [2] [2C]	10	4285410	50	661824	100	471119	200	353913	500	305600	1000	269900
Aroclor 1016 [3] [2C]	10	9782240	50	1187760	100	894982	200	666000	500	548000	1000	495300
Aroclor 1016 [3] [2C]	10	9782240	50	1187760	100	894982	200	666000	500	548000	1000	495300
Aroclor 1016 [4] [2C]	10	4003490	50	516826	100	392576	200	314202	500	259200	1000	220400
Aroclor 1016 [4] [2C]	10	4003490	50	516826	100	392576	200	314202	500	259200	1000	220400
Aroclor 1016 [5] [2C]	10	4953820	50	591402	100	435743	200	346974	500	282400	1000	241900
Aroclor 1016 [5] [2C]	10	4953820	50	591402	100	435743	200	346974	500	282400	1000	241900
Aroclor 1016 [2C]	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1016 [2C]	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1260 [1]	10	963735	50	384886	100	348850	200	383948	500	348400	1000	324700
Aroclor 1260 [1]	10	963735	50	384886	100	348850	200	383948	500	348400	1000	324700
Aroclor 1260 [2]	10	1088910	50	443189	100	401274	200	433269	500	406000	1000	382200
Aroclor 1260 [2]	10	1088910	50	443189	100	401274	200	433269	500	406000	1000	382200
Aroclor 1260 [3]	10	889193	50	390332	100	334201	200	351107	500	333200	1000	318700
Aroclor 1260 [3]	10	889193	50	390332	100	334201	200	351107	500	333200	1000	318700
Aroclor 1260 [4]	10	1495540	50	757349	100	654771	200	693000	500	662600	1000	637900
Aroclor 1260 [4]	10	1495540	50	757349	100	654771	200	693000	500	662600	1000	637900
Aroclor 1260 [5]	10	1311170	50	429678	100	410568	200	418220	500	389000	1000	370900
Aroclor 1260 [5]	10	1311170	50	429678	100	410568	200	418220	500	389000	1000	370900
Aroclor 1260	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1260	10	0	50	0	100	0	200	0	500	0	1000	0

# INITIAL CALIBRATION DATA

## EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Remo

Calibration: 5062702

Instrument: ECD-6

Matrix: Water

Calibration Date: 06/27/05 11:14

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/l	RF	ug/l	RF	ug/l	RF	ug/l	RF	ug/l	RF	ug/l	RF
Aroclor 1260 [1] [2C]	10	<del>1452200</del>	50	530441	100	516534	200	534000	500	533800	1000	482500
Aroclor 1260 [1] [2C]	10	<del>1452200</del>	50	530441	100	516534	200	534000	500	533800	1000	482500
Aroclor 1260 [2] [2C]	10	<del>1829790</del>	50	956880	100	816440	200	878500	500	874200	1000	810100
Aroclor 1260 [2] [2C]	10	<del>1829790</del>	50	956880	100	816440	200	878500	500	874200	1000	810100
Aroclor 1260 [3] [2C]	10	<del>1918680</del>	50	914251	100	797176	200	874000	500	867600	1000	814800
Aroclor 1260 [3] [2C]	10	<del>1918680</del>	50	914251	100	797176	200	874000	500	867600	1000	814800
Aroclor 1260 [4] [2C]	10	<del>1598480</del>	50	1086040	100	920447	200	1056500	500	1040800	1000	1002700
Aroclor 1260 [4] [2C]	10	<del>1598480</del>	50	1086040	100	920447	200	1056500	500	1040800	1000	1002700
Aroclor 1260 [5] [2C]	10	<del>1416800</del>	50	756297	100	644964	200	731500	500	715600	1000	697600
Aroclor 1260 [5] [2C]	10	<del>1416800</del>	50	756297	100	644964	200	731500	500	715600	1000	697600
Aroclor 1260 [2C]	10	0	50	0	100	0	200	0	500	0	1000	0
Aroclor 1260 [2C]	10	0	50	0	100	0	200	0	500	0	1000	0
TCX	1	<del>9936590</del>	5	8672180	10	9257430	20	8645000	50	8572000	100	8392000
TCX	1	<del>9936590</del>	5	8672180	10	9257430	20	8645000	50	8572000	100	8392000
TCX [2C]	1	<del>1.08704E+07</del>	5	1.00415E+07	10	1.081E+07	20	1.043E+07	50	1.0598E+07	100	1.0099E+07
TCX [2C]	1	<del>1.08704E+07</del>	5	1.00415E+07	10	1.081E+07	20	1.043E+07	50	1.0598E+07	100	1.0099E+07
Decachlorobiphenyl	1	<del>6536550</del>	5	5425860	10	4592540	20	4954450	50	4682000	100	4496000
Decachlorobiphenyl	1	<del>6536550</del>	5	5425860	10	4592540	20	4954450	50	4682000	100	4496000
Decachlorobiphenyl [2C]	1	<del>9668760</del>	5	8445280	10	7228840	20	8020000	50	7874000	100	7631000
Decachlorobiphenyl [2C]	1	<del>9668760</del>	5	8445280	10	7228840	20	8020000	50	7874000	100	7631000

# INITIAL CALIBRATION DATA (Continued)

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Rem

Calibration: 5062702

Instrument: ECD-6

Matrix: Soil

Calibration Date: 06/27/05 11:14

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF
Aroclor 1016 [1]	1500	126933	2000	123000								
Aroclor 1016 [1]	1500	126933	2000	123000								
Aroclor 1016 [2]	1500	320533	2000	311250								
Aroclor 1016 [2]	1500	320533	2000	311250								
Aroclor 1016 [3]	1500	631933	2000	616300								
Aroclor 1016 [3]	1500	631933	2000	616300								
Aroclor 1016 [4]	1500	235600	2000	228500								
Aroclor 1016 [4]	1500	235600	2000	228500								
Aroclor 1016 [5]	1500	198933	2000	192100								
Aroclor 1016 [5]	1500	198933	2000	192100								
Aroclor 1016	1500	0	2000	0								
Aroclor 1016	1500	0	2000	0								
Aroclor 1016 [1] [2C]	1500	168800	2000	162850								
Aroclor 1016 [1] [2C]	1500	168800	2000	162850								
Aroclor 1016 [2] [2C]	1500	262200	2000	253300								
Aroclor 1016 [2] [2C]	1500	262200	2000	253300								
Aroclor 1016 [3] [2C]	1500	477400	2000	452300								
Aroclor 1016 [3] [2C]	1500	477400	2000	452300								
Aroclor 1016 [4] [2C]	1500	209867	2000	203500								
Aroclor 1016 [4] [2C]	1500	209867	2000	203500								
Aroclor 1016 [5] [2C]	1500	230600	2000	223550								
Aroclor 1016 [5] [2C]	1500	230600	2000	223550								
Aroclor 1016 [2C]	1500	0	2000	0								
Aroclor 1016 [2C]	1500	0	2000	0								
Aroclor 1260 [1]	1500	317467	2000	310100								
Aroclor 1260 [1]	1500	317467	2000	310100								
Aroclor 1260 [2]	1500	379333	2000	369400								
Aroclor 1260 [2]	1500	379333	2000	369400								
Aroclor 1260 [3]	1500	319533	2000	311300								
Aroclor 1260 [3]	1500	319533	2000	311300								
Aroclor 1260 [4]	1500	640600	2000	621900								
Aroclor 1260 [4]	1500	640600	2000	621900								
Aroclor 1260 [5]	1500	372533	2000	362150								



# INITIAL CALIBRATION DATA (Continued)

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Remediation

Calibration: 5062702

Instrument: ECD-6

Matrix: Soil

Calibration Date: 06/27/05 11:14

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF	ng/ml	RF
Aroclor 1260 [5]	1500	372533	2000	362150								
Aroclor 1260	1500	0	2000	0								
Aroclor 1260	1500	0	2000	0								
Aroclor 1260 [1] [2C]	1500	475933	2000	459550								
Aroclor 1260 [1] [2C]	1500	475933	2000	459550								
Aroclor 1260 [2] [2C]	1500	806933	2000	775950								
Aroclor 1260 [2] [2C]	1500	806933	2000	775950								
Aroclor 1260 [3] [2C]	1500	817600	2000	788100								
Aroclor 1260 [3] [2C]	1500	817600	2000	788100								
Aroclor 1260 [4] [2C]	1500	1003070	2000	961450								
Aroclor 1260 [4] [2C]	1500	1003070	2000	961450								
Aroclor 1260 [5] [2C]	1500	709200	2000	685800								
Aroclor 1260 [5] [2C]	1500	709200	2000	685800								
Aroclor 1260 [2C]	1500	0	2000	0								
Aroclor 1260 [2C]	1500	0	2000	0								
TCX	150	8139330	200	7914000								
TCX	150	8139330	200	7914000								
TCX [2C]	150	9778000	200	9400000								
TCX [2C]	150	9778000	200	9400000								
Decachlorobiphenyl	150	4483330	200	4365500								
Decachlorobiphenyl	150	4483330	200	4365500								
Decachlorobiphenyl [2C]	150	7613330	200	7419500								
Decachlorobiphenyl [2C]	150	7613330	200	7419500								

# INITIAL CALIBRATION DATA (Continued)

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Calibration: 5062702

Instrument: ECD-6

Matrix: Soil

Calibration Date: 06/27/05 11:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016 [1]	175265	38.48	5.30125	0.06711	0.99983		0.99	
Aroclor 1016 [1]	175265	38.48	5.30125	0.06711	0.99983		0.99	
Aroclor 1016 [2]	457402	42.35	5.80125	0.06344	0.99989		0.99	
Aroclor 1016 [2]	457402	42.35	5.80125	0.06344	0.99989		0.99	
Aroclor 1016 [3]	913080	42.54	6.2625	0.07449	0.99987		0.99	
Aroclor 1016 [3]	913080	42.54	6.2625	0.07449	0.99987		0.99	
Aroclor 1016 [4]	360752	45.71	6.43	0.01092	0.99965		0.99	
Aroclor 1016 [4]	360752	45.71	6.43	0.01092	0.99965		0.99	
Aroclor 1016 [5]	303485	45.84	6.9525	0.06738	0.99949		0.99	
Aroclor 1016 [5]	303485	45.84	6.9525	0.06738	0.99949		0.99	
Aroclor 1016 [1] [2C]	227059	32.74	5.06125	0.07057	0.99913		0.99	
Aroclor 1016 [1] [2C]	227059	32.74	5.06125	0.07057	0.99913		0.99	
Aroclor 1016 [2] [2C]	368265	40.74	5.50125	0.06397	0.99975		0.99	
Aroclor 1016 [2] [2C]	368265	40.74	5.50125	0.06397	0.99975		0.99	
Aroclor 1016 [3] [2C]	674535	40.53	6.15125	0.0598	0.99944		0.99	
Aroclor 1016 [3] [2C]	674535	40.53	6.15125	0.0598	0.99944		0.99	
Aroclor 1016 [4] [2C]	302367	38.47	6.45125	0.05422	0.99932		0.99	
Aroclor 1016 [4] [2C]	302367	38.47	6.45125	0.05422	0.99932		0.99	
Aroclor 1016 [5] [2C]	336081	40.43	6.67	0.02142	0.99945		0.99	
Aroclor 1016 [5] [2C]	336081	40.43	6.67	0.02142	0.99945		0.99	
Aroclor 1260 [1]	345479	8.78	8.23	0.02026			20	
Aroclor 1260 [1]	345479	8.78	8.23	0.02026			20	
Aroclor 1260 [2]	402095	6.93	8.36	0.01124			20	
Aroclor 1260 [2]	402095	6.93	8.36	0.01124			20	
Aroclor 1260 [3]	336910	8.007	8.78125	0.03832	0.99982		0.99	
Aroclor 1260 [3]	336910	8.007	8.78125	0.03832	0.99982		0.99	
Aroclor 1260 [4]	666874	6.868	9.36125	0.04163			20	
Aroclor 1260 [4]	666874	6.868	9.36125	0.04163			20	
Aroclor 1260 [5]	393293	6.699	9.8	0.01833			20	
Aroclor 1260 [5]	393293	6.699	9.8	0.01833			20	
Aroclor 1260 [1] [2C]	504680	6.196	8.00125	0.04398			20	
Aroclor 1260 [1] [2C]	504680	6.196	8.00125	0.04398			20	
Aroclor 1260 [2] [2C]	845572	7.281	8.31125	0.04231			20	
Aroclor 1260 [2] [2C]	845572	7.281	8.31125	0.04231			20	
Aroclor 1260 [3] [2C]	839075	5.566	8.61	0.01388			20	
Aroclor 1260 [3] [2C]	839075	5.566	8.61	0.01388			20	
Aroclor 1260 [4] [2C]	1010140	5.625	9.28125	0.03493			20	

# INITIAL CALIBRATION DATA (Continued)

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Calibration: 5062702

Instrument: ECD-6

Matrix: Water

Calibration Date: 06/27/05 11:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1260 [4] [2C]	1010140	5.625	9.28125	0.03493			20	
Aroclor 1260 [5] [2C]	705852	5.004	9.58125	0.03534			20	
Aroclor 1260 [5] [2C]	705852	5.004	9.58125	0.03534			20	
TCX	8513130	5.06	4.56875	0.07603			20	
TCX	8513130	5.06	4.56875	0.07603			20	
TCX [2C]	1.01652E+07	4.8	4.61125	0.0785			20	
TCX [2C]	1.01652E+07	4.8	4.61125	0.0785			20	
Decachlorobiphenyl	4714240	7.758	10.9512	0.0323			20	
Decachlorobiphenyl	4714240	7.758	10.9512	0.0323			20	
Decachlorobiphenyl [2C]	7747420	5.231	10.7513	0.03255			20	
Decachlorobiphenyl [2C]	7747420	5.231	10.7513	0.03255			20	

# SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082

**Laboratory:** North Creek Analytical - Bothell

**SDG:**

**Client:** USACE - Alaska

**Project:** Northeast Cape White Alice BDDR Re

**Calibration:** 5062702

**Laboratory ID:** 5F22008-SCV2

**Sequence:** 5F22008

**Standard ID:** 4070222

ANALYTE	EXPECTED (ng/ml)	FOUND (ng/ml)	% DRIFT	QC LIMIT
Aroclor 1016	500	454	-9.20	20
Aroclor 1260	500	485	-3.00	20
TCX	50.0	49.0	-2.00	20
Decachlorobiphenyl	50.0	48.2	-3.60	20

\* Values outside of QC limits

# HOLDING TIME SUMMARY

EPA 8082

Laboratory: North Creek Analytical - Bothell

SDG:

Client: USACE - Alaska

Project: Northeast Cape White Alice BDDR Removal

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
05NEC31SLSL084	07/19/05 08:00	07/26/05 09:25	07/27/05 14:32	8	14	07/28/05 14:55	1	40	
05NEC31SLSL096	07/19/05 11:05	07/26/05 09:25	07/27/05 14:32	8	14	07/28/05 15:13	1	40	
05NEC31SLSL108	07/19/05 11:55	07/26/05 09:25	07/27/05 14:32	8	14	07/28/05 15:31	1	40	
05NEC31SLSL108	07/19/05 11:55	07/26/05 09:25	07/27/05 14:32	8	14	07/29/05 09:07	1	40	

**B5G0543****USACE - Alaska****Report Date:**

Project: Northeast Cape White Alice BDDR Re: Project#: [none]

08/01/05 17:10

**CLIENT SAMPLES****DRAFT: Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers)**

Instrument	Method	Analyzed	FileID	LabNumber	Dil	Batch	Sequence	Calibration	Matrix	Initial	Final
ECD-6	EPA 8082	07/28/05 14:55	G28010.D	B5G0543-01	1	5G27062	5G28031	5062702	Soil	29.7	5
ECD-6	EPA 8082	07/28/05 15:13	G28011.D	B5G0543-02	1	5G27062	5G28031	5062702	Soil	30.4	5
ECD-6	EPA 8082	07/28/05 15:31	G28012.D	B5G0543-03	1	5G27062	5G28031	5062702	Soil	30.2	5
ECD-6	EPA 8082	07/29/05 09:07	G29004.D	B5G0543-03RE1	5	5G27062	5G29005	5062702	Soil	30.2	5

**B5G0543****USACE - Alaska****Report Date:**

Project: Northeast Cape White Alice BDDR Re: Project#: [none]

08/01/05 17:10

**QC SAMPLES****DRAFT: Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - QC**

Instrument	Method	Analyzed	FileID	LabNumber	Sequence	Calibration	Matrix	Source
ECD-6	EPA 8082	07/28/05 13:05	G28004.D	5G27062-BLK2	5G28031	5062702	Soil	
ECD-6	EPA 8082	07/28/05 13:24	G28005.D	5G27062-BS2	5G28031	5062702	Soil	
ECD-6	EPA 8082	07/28/05 13:42	G28006.D	5G27062-BSD2	5G28031	5062702	Soil	
ECD-6	EPA 8082	07/28/05 14:00	G28007.D	5G27062-MS2	5G28031	5062702	Soil	B5G0492-03
ECD-6	EPA 8082	07/28/05 14:18	G28008.D	5G27062-MSD2	5G28031	5062702	Soil	B5G0492-03

Analysis Date: 7/28/05Analyst: CCVInstrument ID: EC0-6Method: 8082

Review Item	Yes	No	NA
Review prep bench sheet. Is it complete and were the samples properly batched? (Note exceptions on reverse side)	<input checked="" type="checkbox"/>		
<b>Continuing Calibration Verification (Note any exceptions on reverse side)</b>			
Is there a breakdown check for Pesticides every 12 hours?			<input checked="" type="checkbox"/>
In the breakdown check, is the breakdown $\leq 15\%$ for endrin and DDT on both columns?			<input checked="" type="checkbox"/>
Is the %R 85-115 or %D $\leq 15$ for each analyte on both columns and for each CCV in the sequence?		<input checked="" type="checkbox"/>	
Have CCVs been analyzed at least every 20 injections and at the end of the sequence?	<input checked="" type="checkbox"/>		
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
<b>Method Blank (Note any exceptions on reverse side)</b>			
Is the method blank free of any positive results (< one-half the MRL)?	<input checked="" type="checkbox"/>		
If not, is the blank <5% of sample results or are all associated samples non-detect for the affected analyte?	<input checked="" type="checkbox"/>		
Are the reporting limits correctly adjusted for amount extracted?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within the control limits?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
Review chromatography. Is the baseline correctly drawn?	<input checked="" type="checkbox"/>		
<b>Sample Results (Note any exceptions on reverse side)</b>			
Were the samples extracted and analyzed within holding time?	<input checked="" type="checkbox"/>		
Are the reported results correctly calculated? Check dilution factors, amount extracted & extract volume.	<input checked="" type="checkbox"/>		
Are dilution factors correctly documented on the raw data?	<input checked="" type="checkbox"/>		
Do the results from multiple analyses (dilutions included) of the same sample agree within reasonable limits?	<input checked="" type="checkbox"/>		
Do the results in Element match those from the quant report?	<input checked="" type="checkbox"/>		
Are the analyte peaks within the calculated RRT windows?	<input checked="" type="checkbox"/>		
Are all reported quantitated values within the linear range or qualified with an "E"?	<input checked="" type="checkbox"/>		
Are all positive results confirmed and P flagged as needed?	<input checked="" type="checkbox"/>		
Are the results correctly qualified, i.e., P, B, J, E?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within the control limits?		<input checked="" type="checkbox"/>	
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?		<input checked="" type="checkbox"/>	
Did the analyst initial and date the MIs?		<input checked="" type="checkbox"/>	
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
<b>BS/BSD/MS/MSD (Note any exceptions on reverse side)</b>			
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
Are the sample and spiked results correctly calculated?	<input checked="" type="checkbox"/>		
Are the %Rs and RPDs correctly calculated and within control limits?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within control limits?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
Is a MintMiner report present?	<input checked="" type="checkbox"/>		
Were any trends identified in your review of the associated control chart?	<input checked="" type="checkbox"/>		
Are the results correctly qualified?	<input checked="" type="checkbox"/>		
Does the NCR accurately describe all non-compliant issues and the actions taken?	<input checked="" type="checkbox"/>		

Comments: Q 2nd and ending cells open front column only.  
DBSG0912-8 DCB not due to sample matrix

I certify that this analytical batch meets all the requirements set forth in the appropriate SOPs with the exceptions noted above.

Analyst Signature: CCV

Date: 7/28/05

I certify that this analytical batch has been thoroughly reviewed and all reportable results meet the requirements set forth in the appropriate SOPs with the exceptions noted above.

Reviewer Signature: Kall

Date: 07/29/05

# Injection Log

Directory: C:\MSDCHEM\2\DATA\072805

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	96	G28001.d	0.	5G28031-IBL1	1x	Unrecognized:Un
2	96	G28002.d	0.	5G28031-IBL2	1x	28 Jul 2005 10:15
3	100	G28003.d	0.	5G28031-CCV1 <i>OK</i>	1x 5060009	28 Jul 2005 11:12
4	1	G28004.d	0.	5G27062-BLK2	1x	Unrecognized:Un
5	2	G28005.d	0.	5G27062-BS2	1x	Unrecognized:Un
6	3	G28006.d	0.	5G27062-BSD2	1x	Unrecognized:Un
7	4	G28007.d	0.	5G27062-MS2	1x	Unrecognized:Un
8	5	G28008.d	0.	5G27062-MSD2	1x	Unrecognized:Un
9	6	G28009.d	0.	B5G0492-03	1x	Unrecognized:Un
10	7	G28010.d	0.	B5G0543-01	1x	Unrecognized:Un
11	8	G28011.d	0.	B5G0543-02	1x	Unrecognized:Un
12	9	G28012.d	0.	B5G0543-03	1x	Unrecognized:Un
13	100	G28013.d	0.	5G28031-CCV2	1x 5060009	Unrecognized:Un
14	100	G28014.d	0.	5G28031-CCV3 <i>OK Bont</i>	1x 5060009	Unrecognized:Un
15	10	G28015.d	0.	B5G0492-06	1x	Unrecognized:Un
16	11	G28016.d	0.	B5G0492-08	1x	Unrecognized:Un
17	12	G28017.d	0.	B5G0492-07	1x	Unrecognized:Un
18	13	G28018.d	0.	B5G0492-01	1x	Unrecognized:Un
19	14	G28019.d	0.	B5G0492-02	1x	Unrecognized:Un
20	15	G28020.d	0.	B5G0492-04	1x	Unrecognized:Un
21	16	G28021.d	0.	B5G0492-05	1x	Unrecognized:Un
22	100	G28022.d	0.	5G28031-CCV4	1x 5060009	Unrecognized:Un
23	100	G28023.d	0.	5G28031-CCV5 <i>OK Bont</i>	1x 5060009	Unrecognized:Un
24	99	G28024.d	0.	5G28031-IBL3	1x	Unrecognized:Un

*acc 729.06*

*Hexane lot #046233*



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28003.D

Acq On : 28 Jul 2005 11:12

Sample : 5G28031-CCV1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:48:02 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

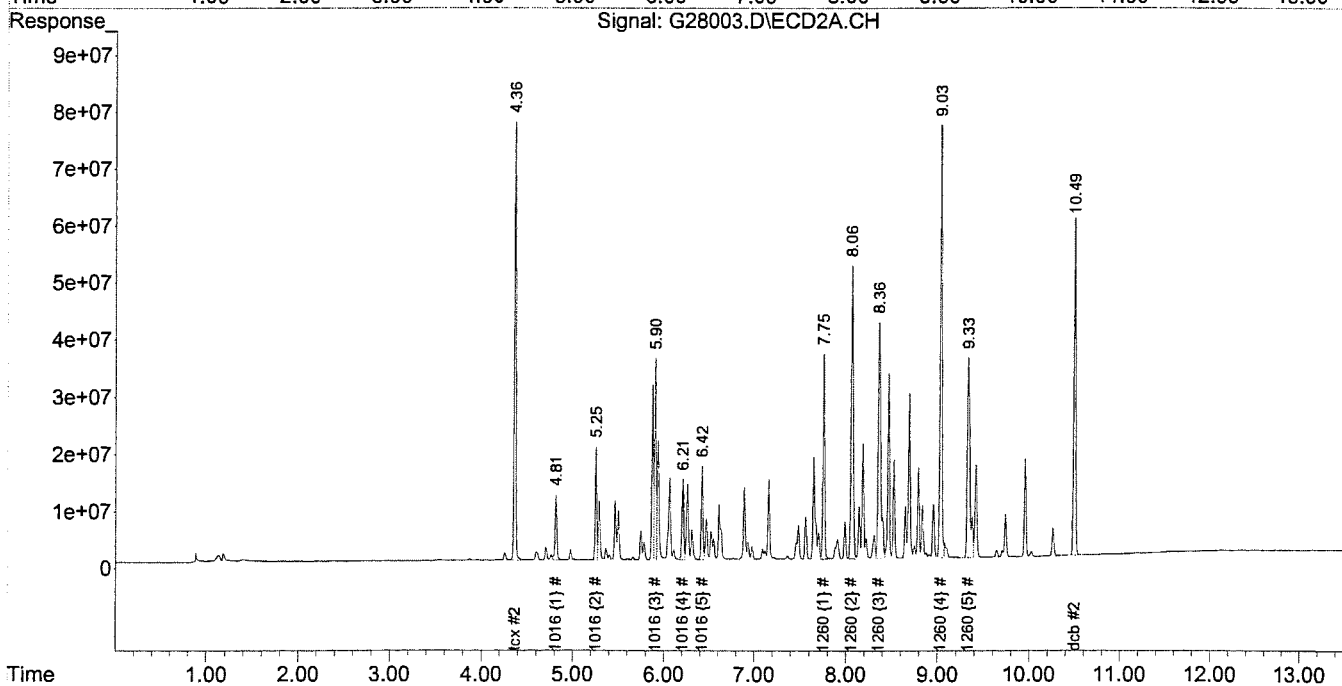
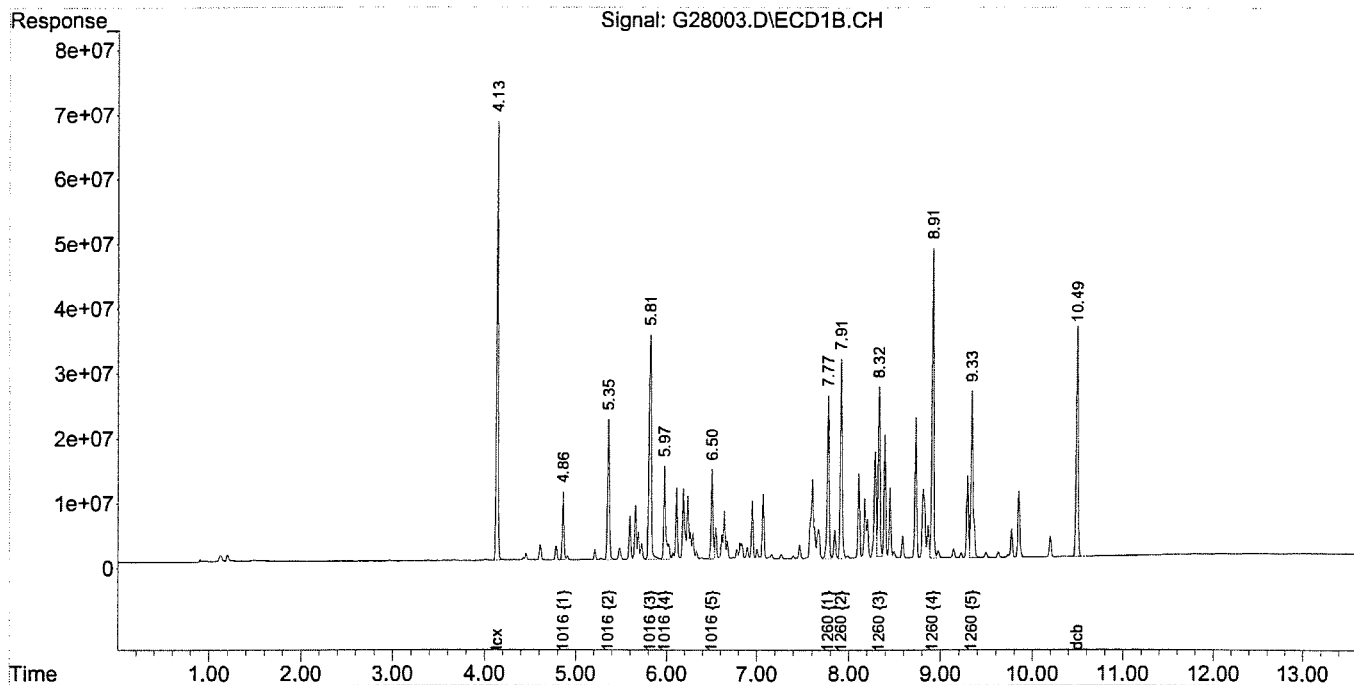
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28003.D

Acq On : 28 Jul 2005 11:12

Operator: eg

Sample : 5G28031-CCV1

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:00 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

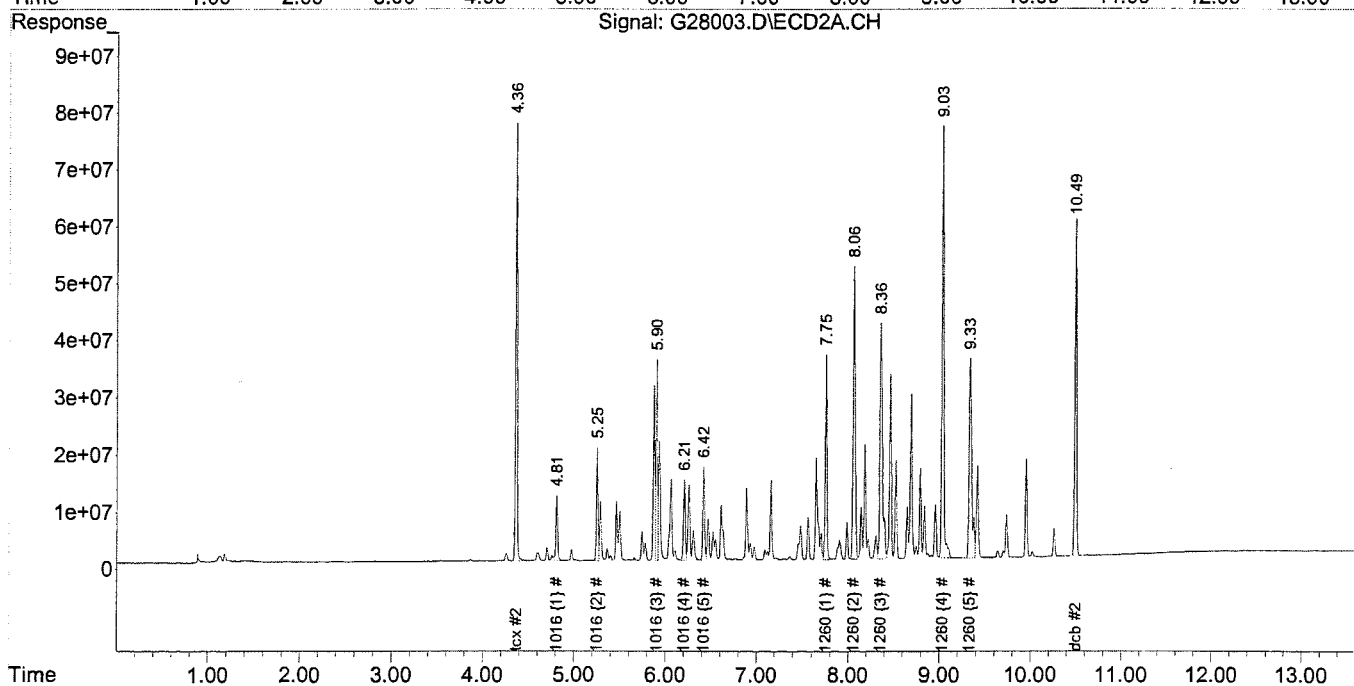
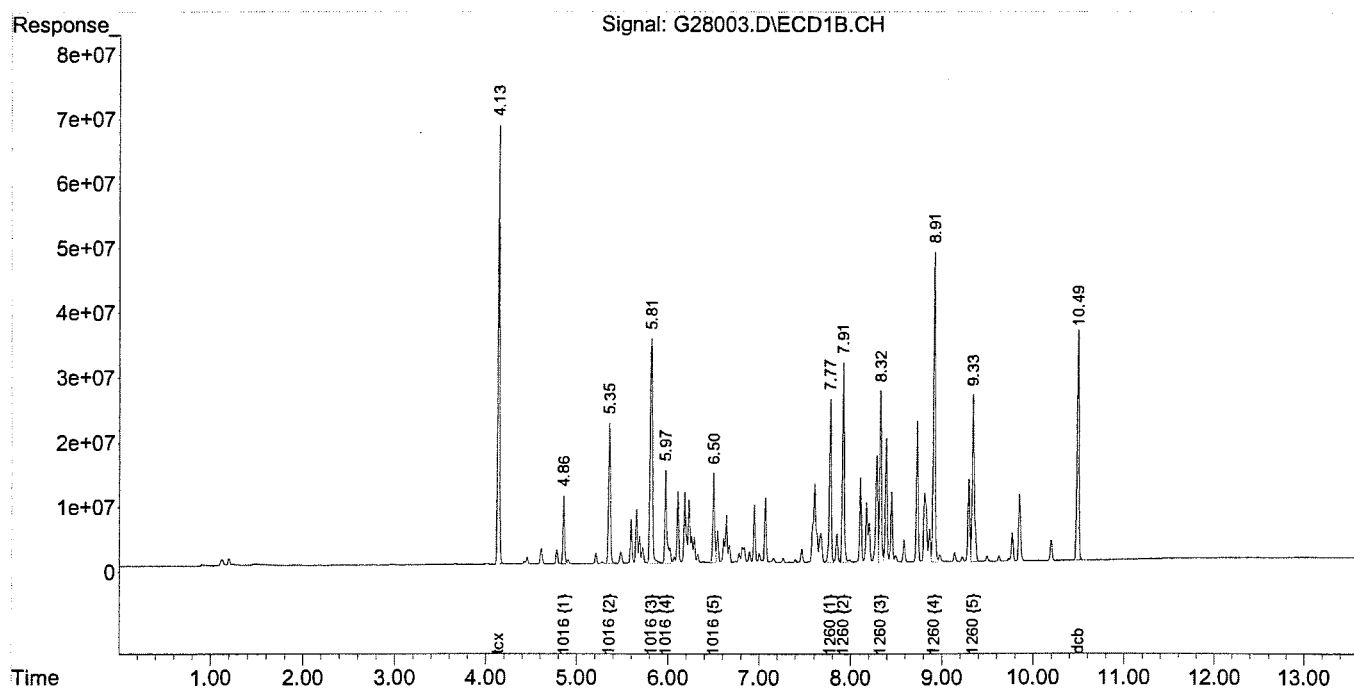
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28004.D

Acq On : 28 Jul 2005 13:05

Sample : 5G27062-BLK2

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:51:00 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

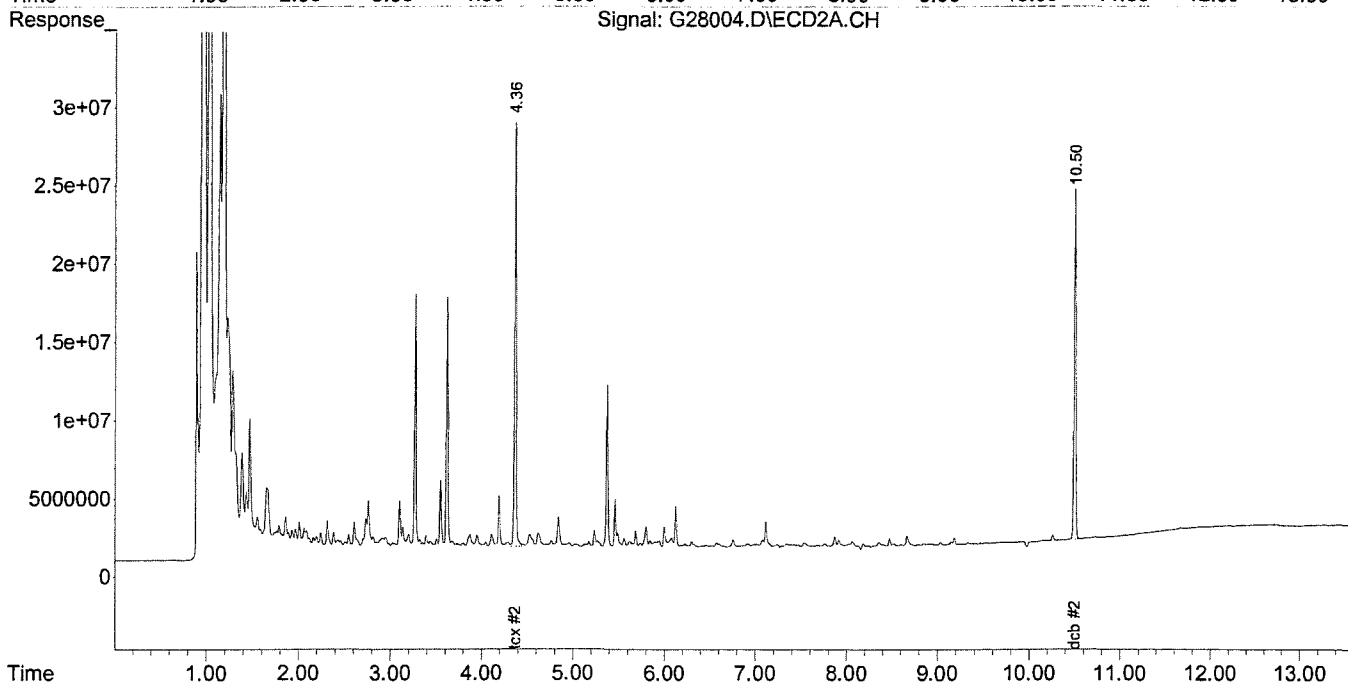
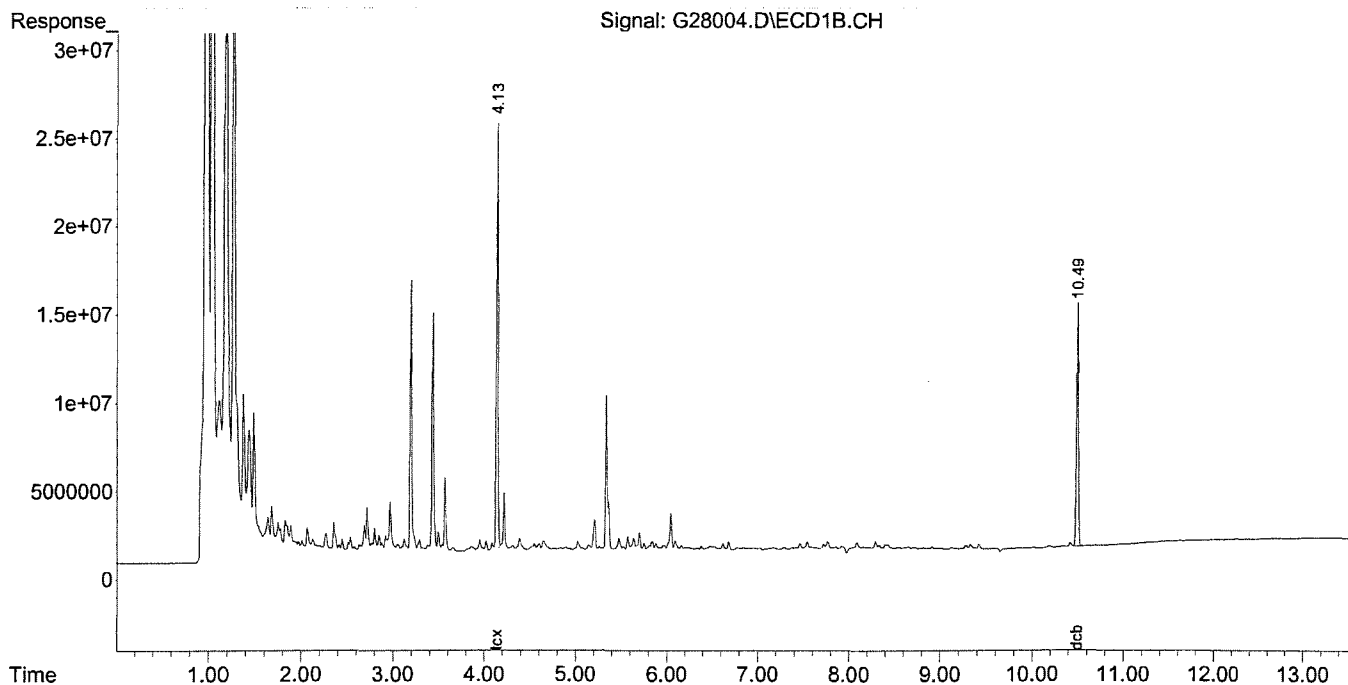
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28004.D

Acq On : 28 Jul 2005 13:05

Operator: eg

Sample : 5G27062-BLK2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:10 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

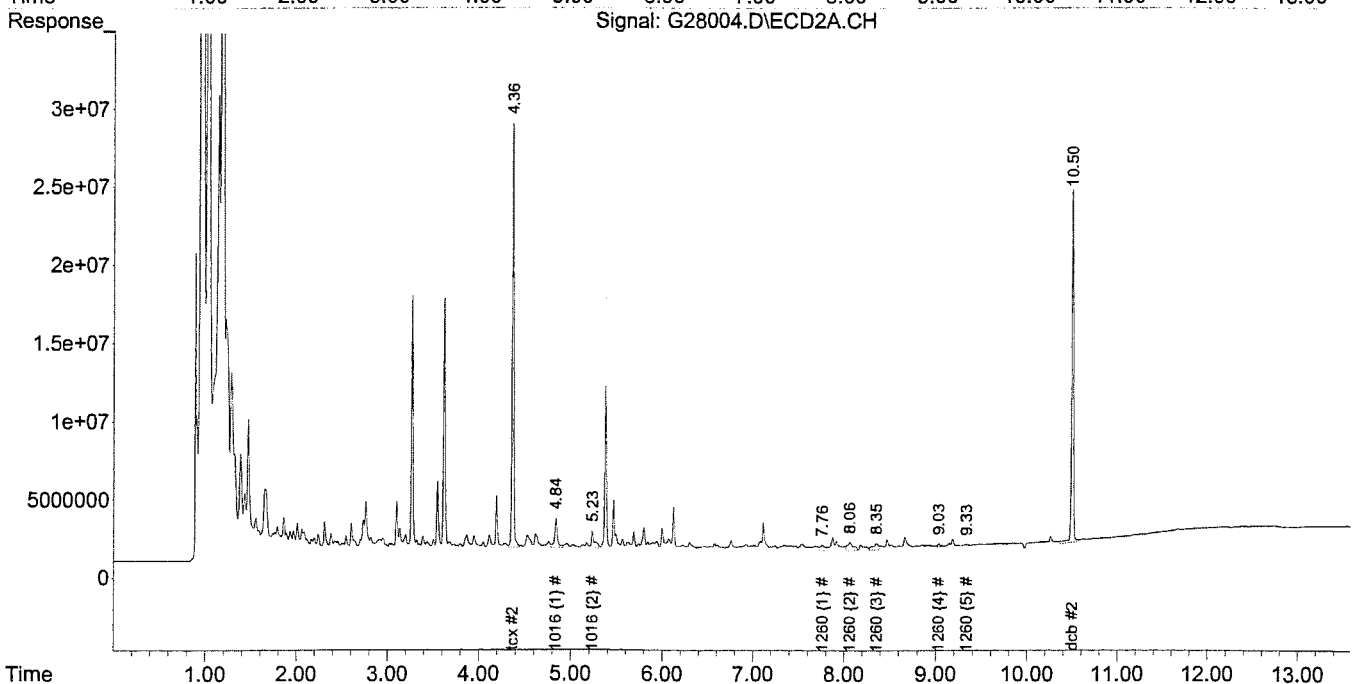
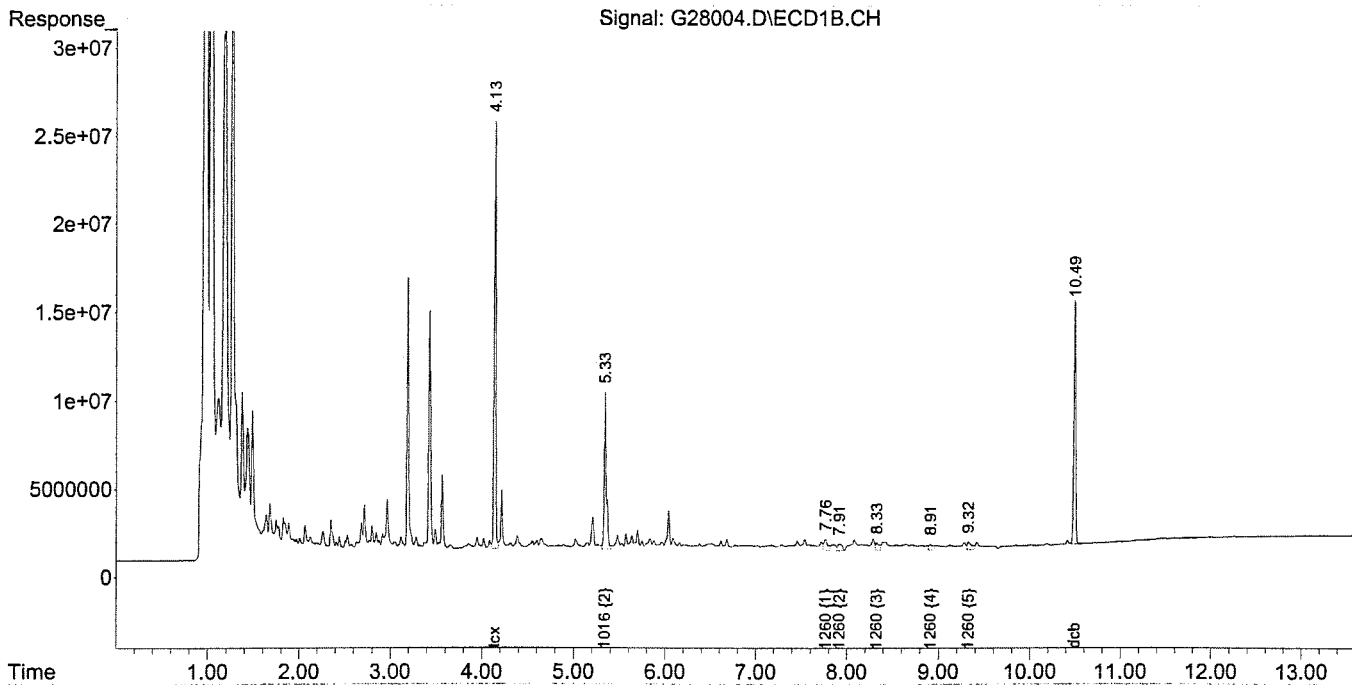
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

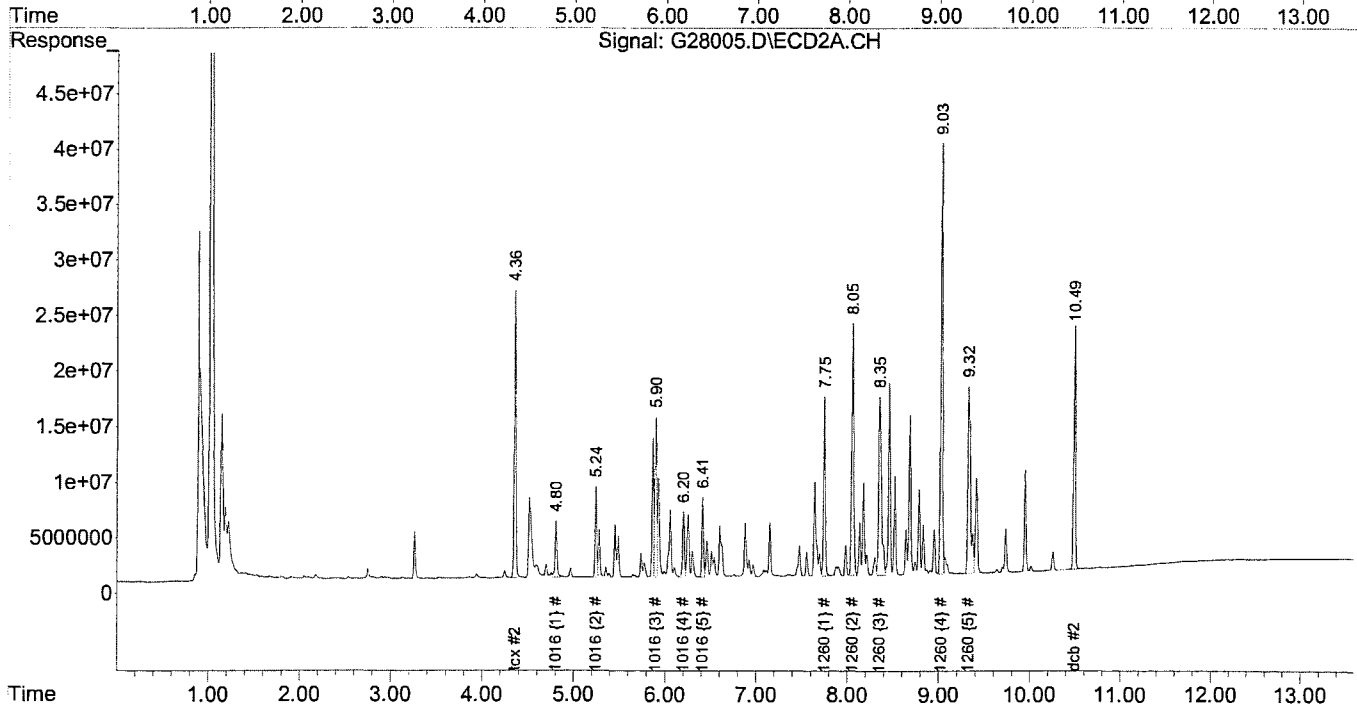
Signal #2 Info :



Multiplr: 1.00

Response via : Initial Calibration

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28005.D

Acq On : 28 Jul 2005 13:24

Operator: eg

Sample : 5G27062-BS2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:20 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

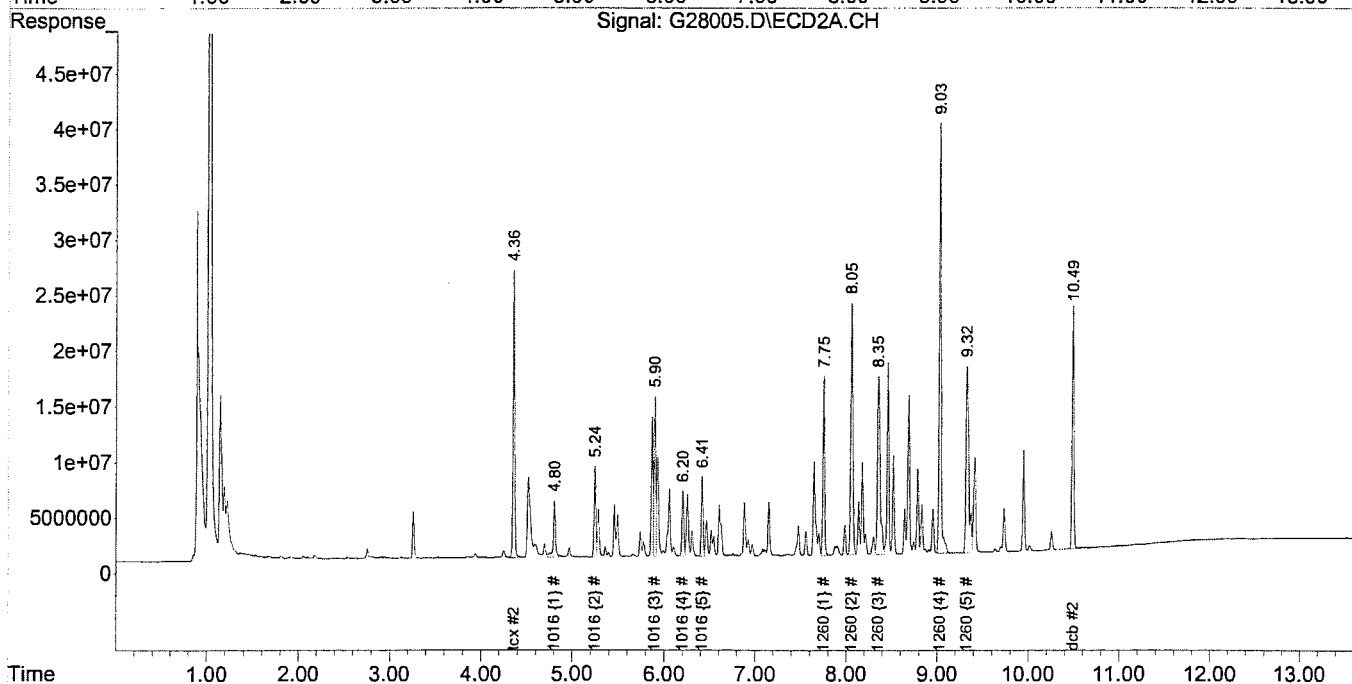
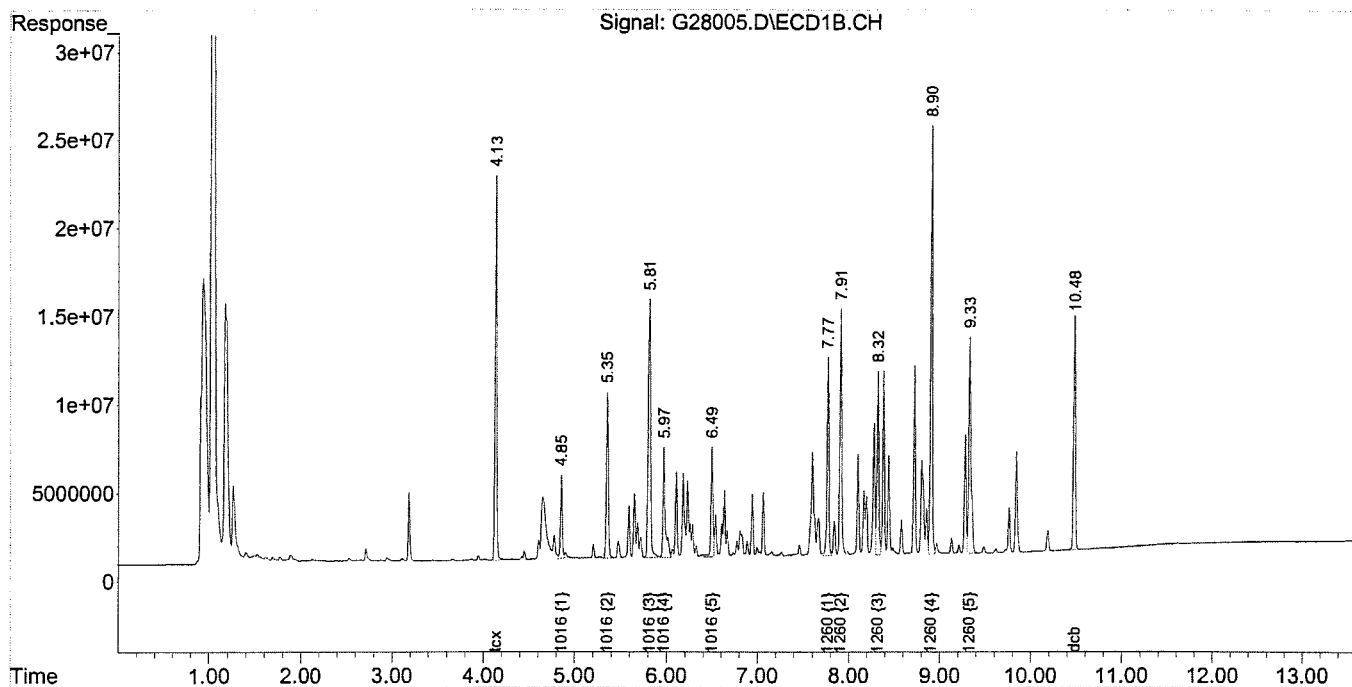
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28006.D

Acq On : 28 Jul 2005 13:42

Operator: eg

Sample : 5G27062-BSD2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:51:56 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

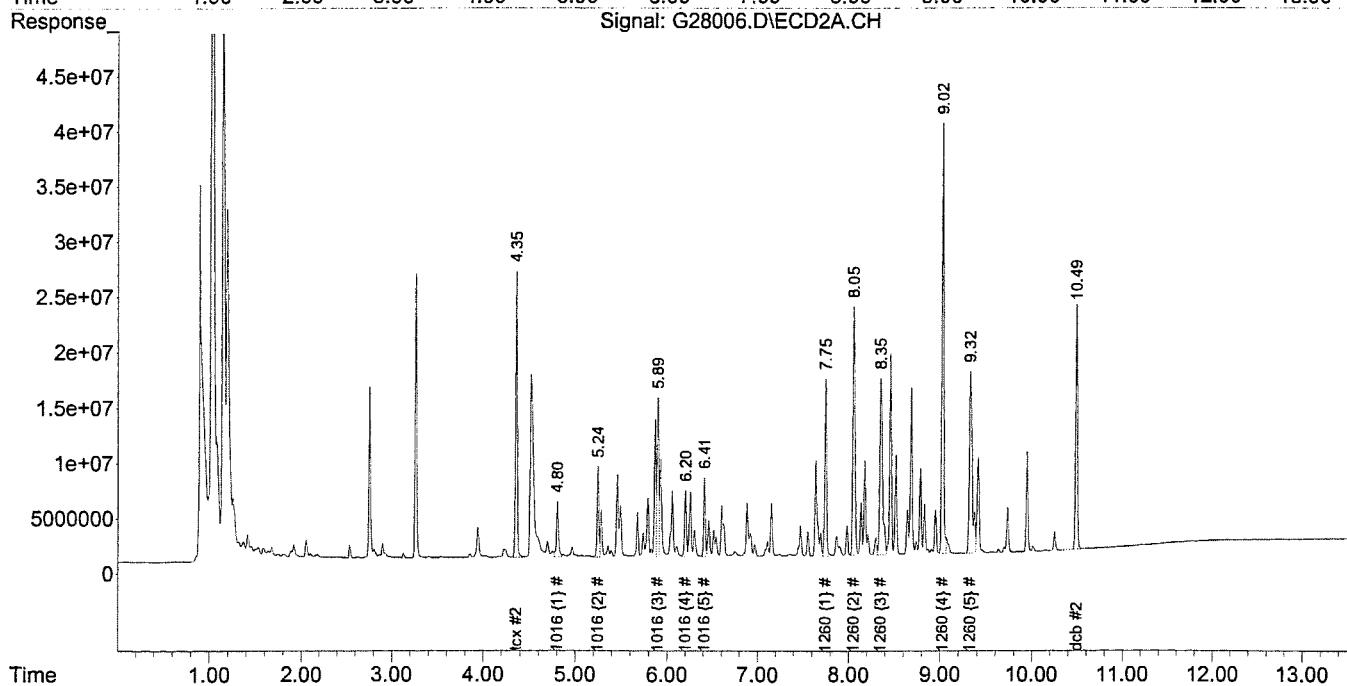
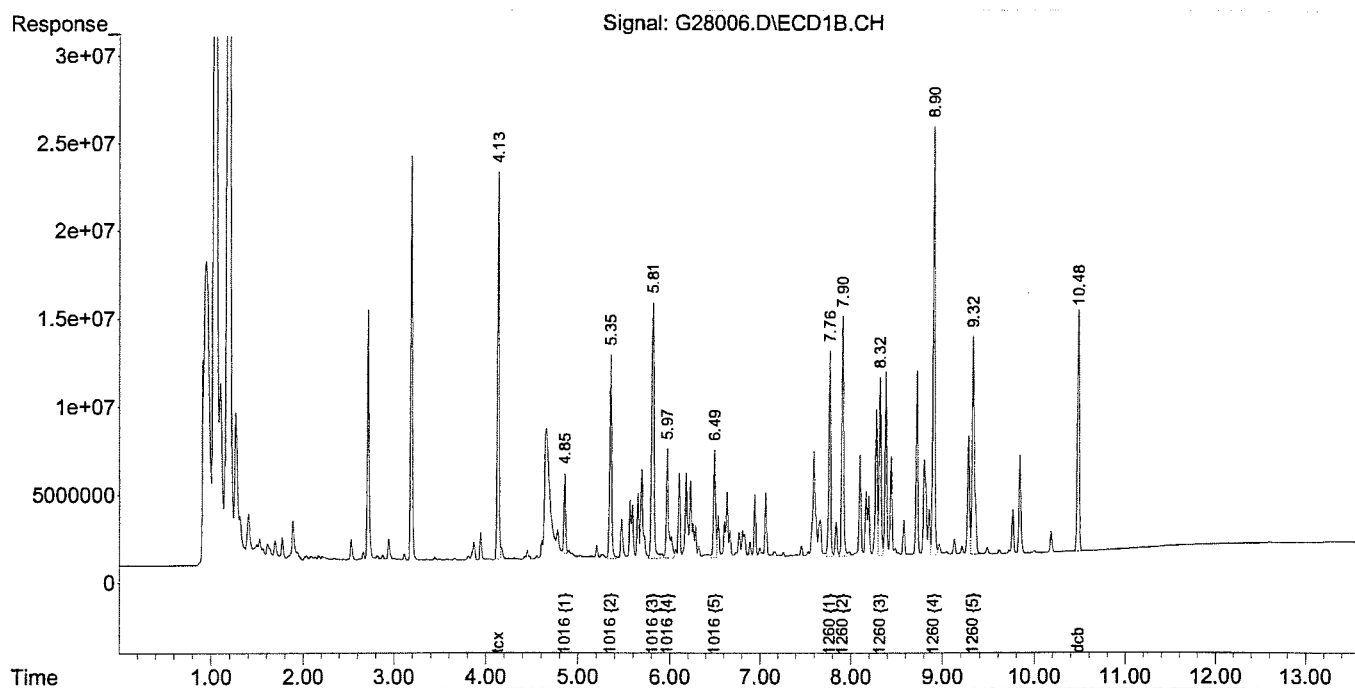
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28006.D

Acq On : 28 Jul 2005 13:42

Operator: eg

Sample : 5G27062-BSD2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:30 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

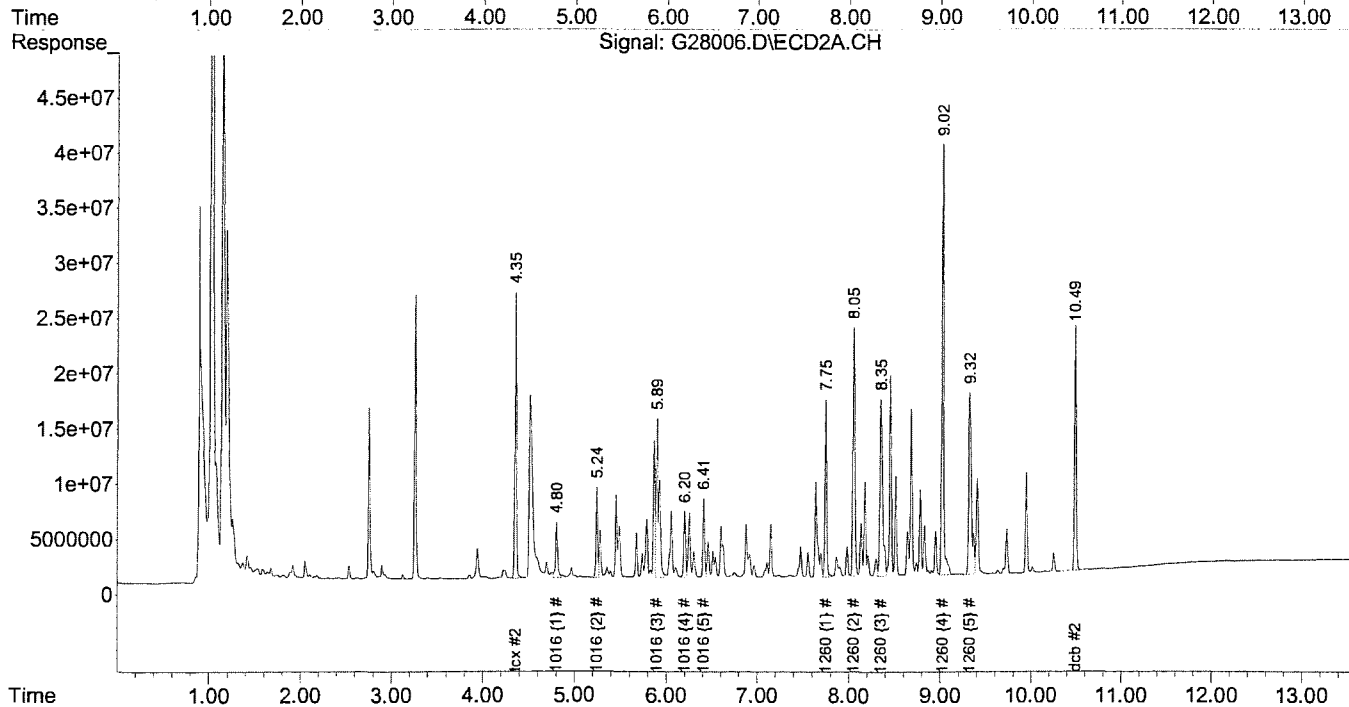
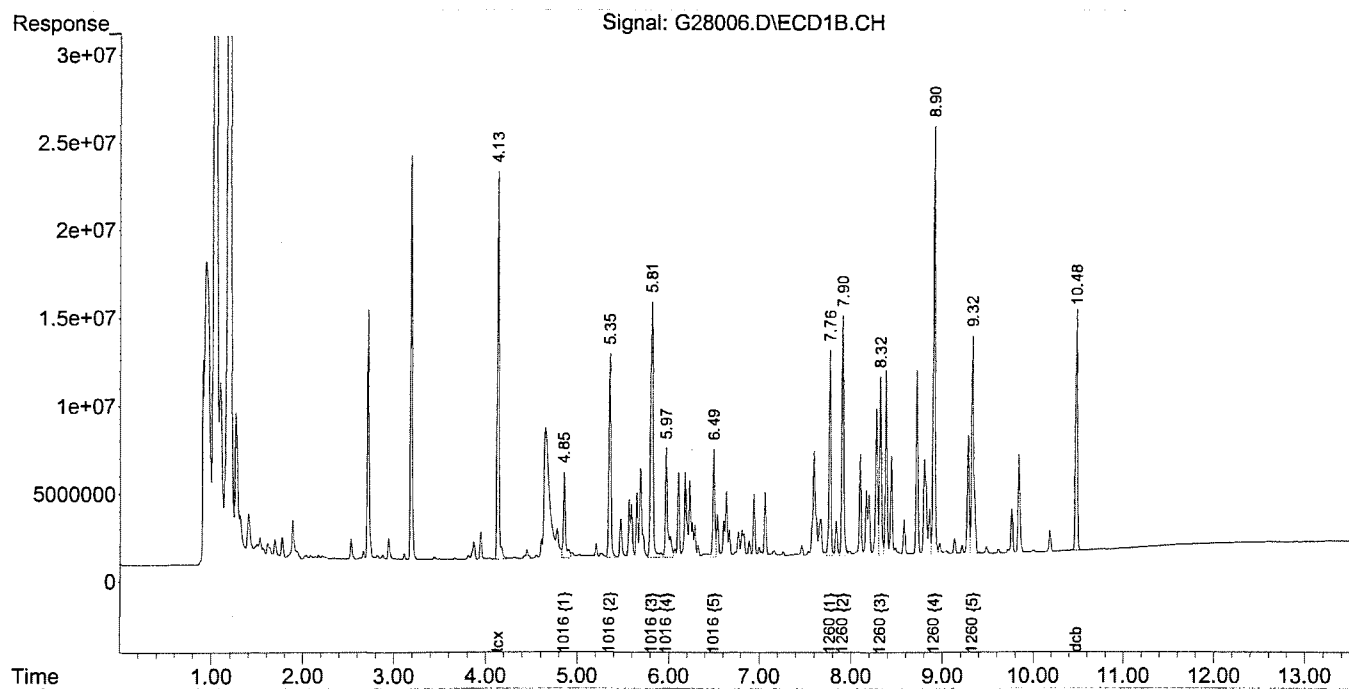
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28007.D

Acq On : 28 Jul 2005 14:00

Sample : 5G27062-MS2

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:52:41 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

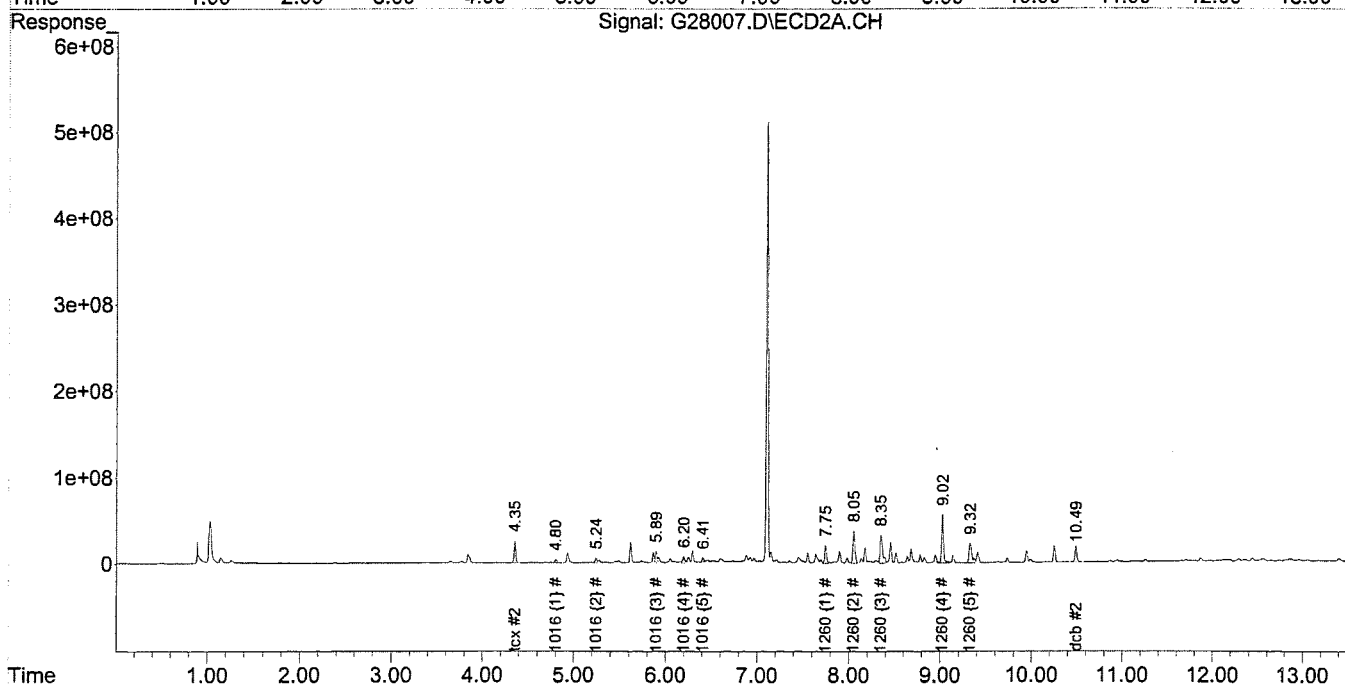
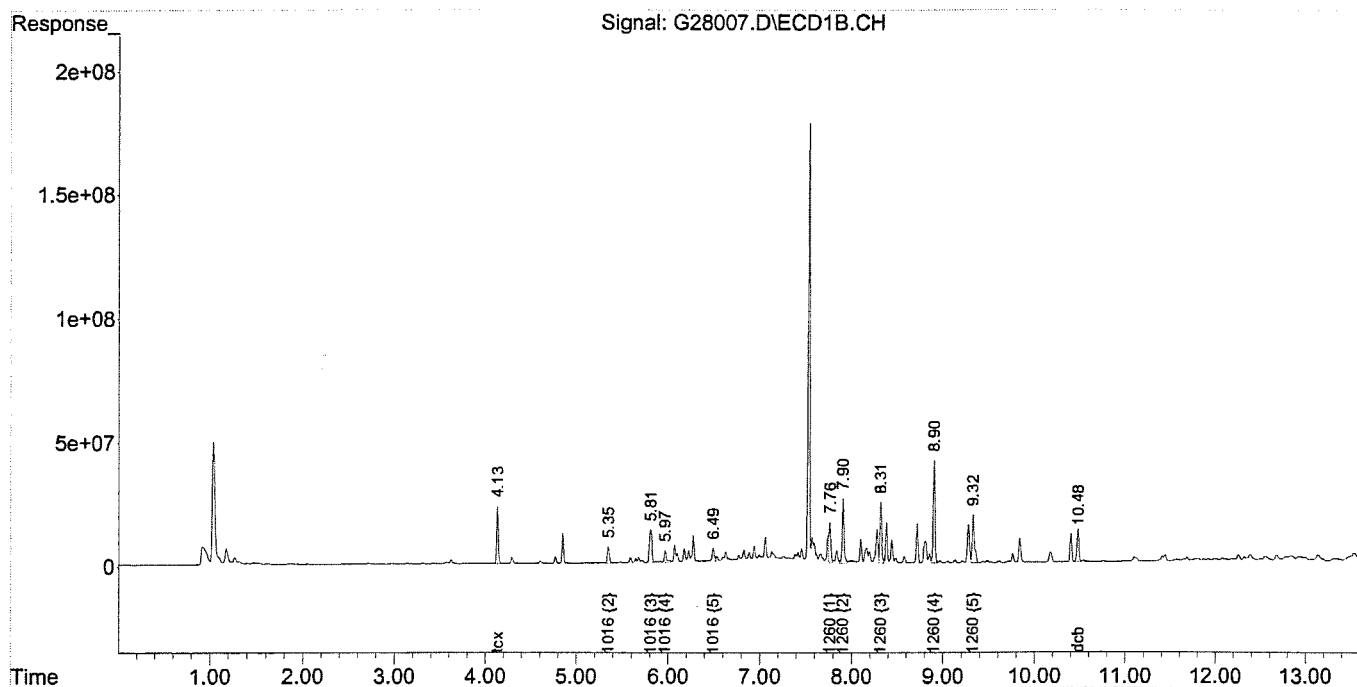
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28007.D

Acq On : 28 Jul 2005 14:00

Sample : 5G27062-MS2

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:40 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

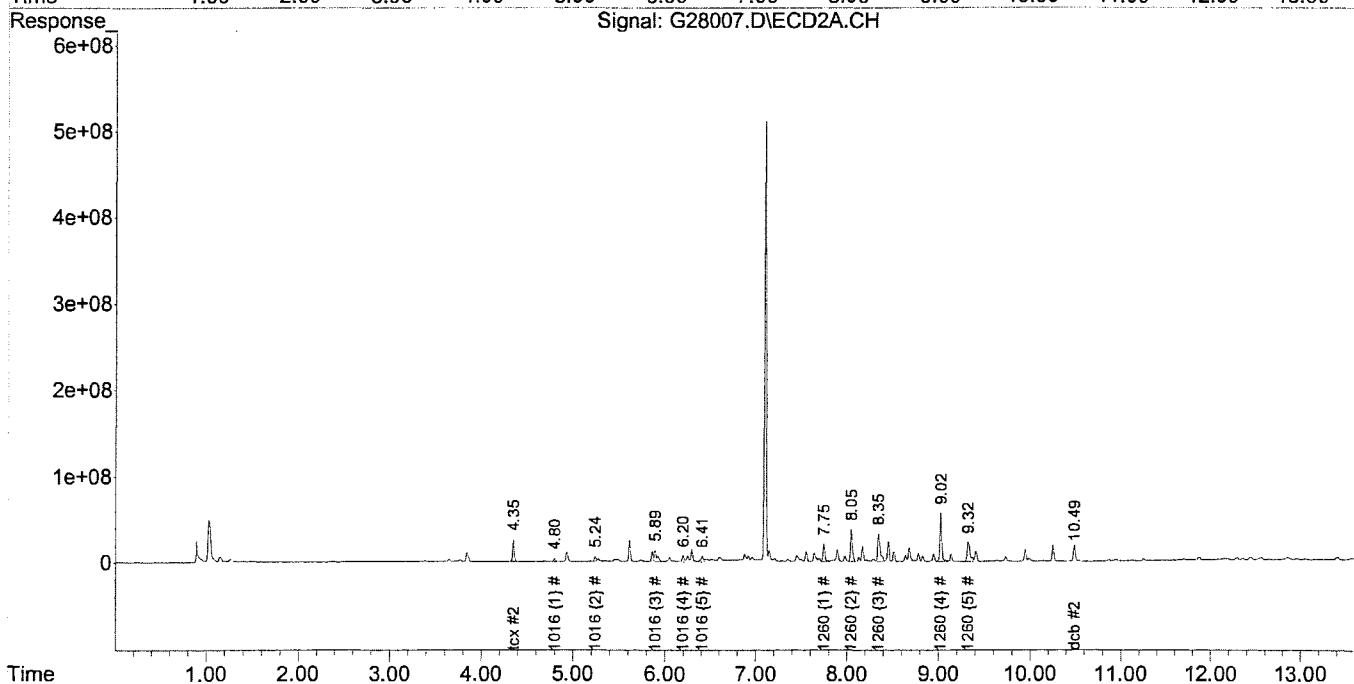
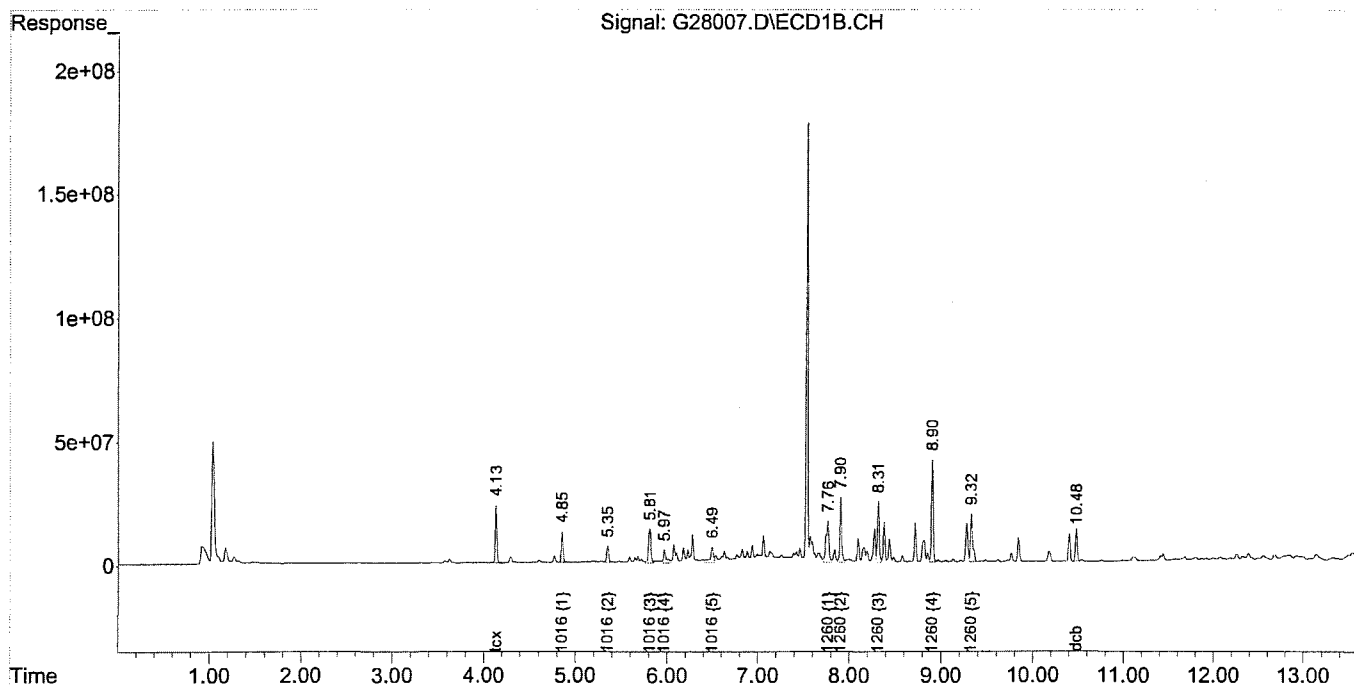
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28008.D

Acq On : 28 Jul 2005 14:18

Operator: eg

Sample : 5G27062-MSD2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:53:30 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

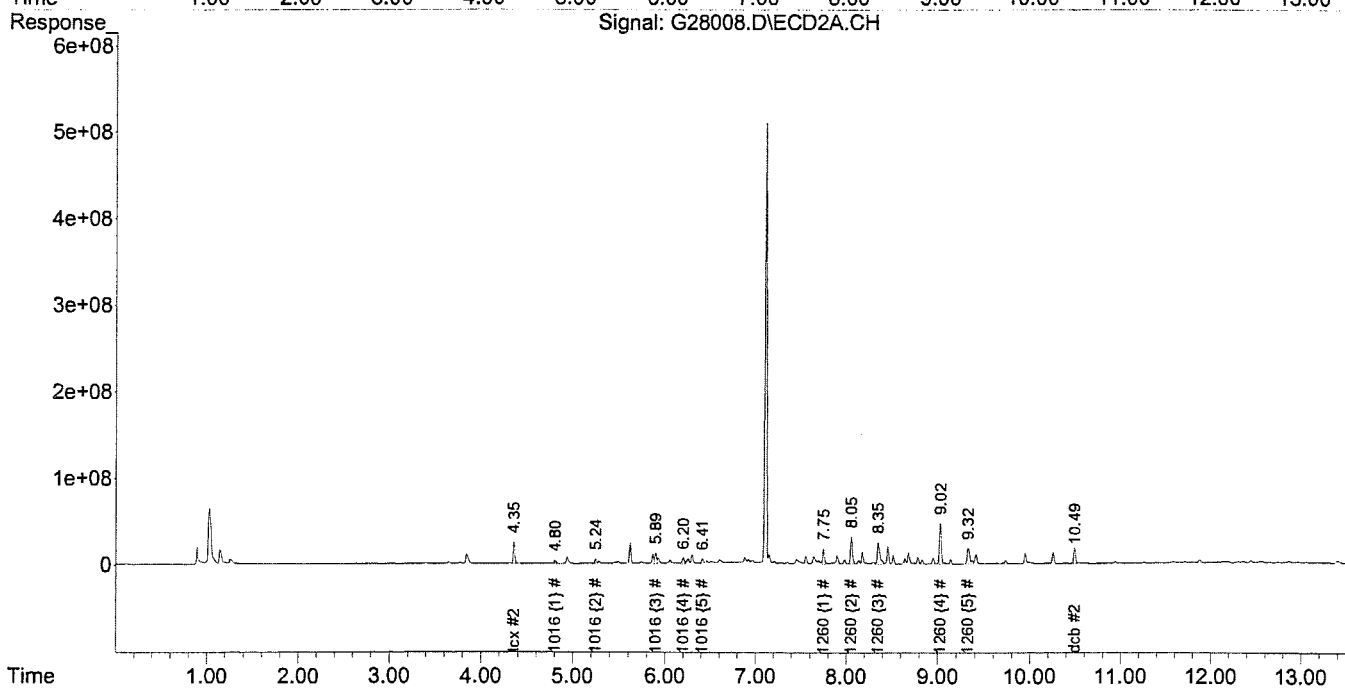
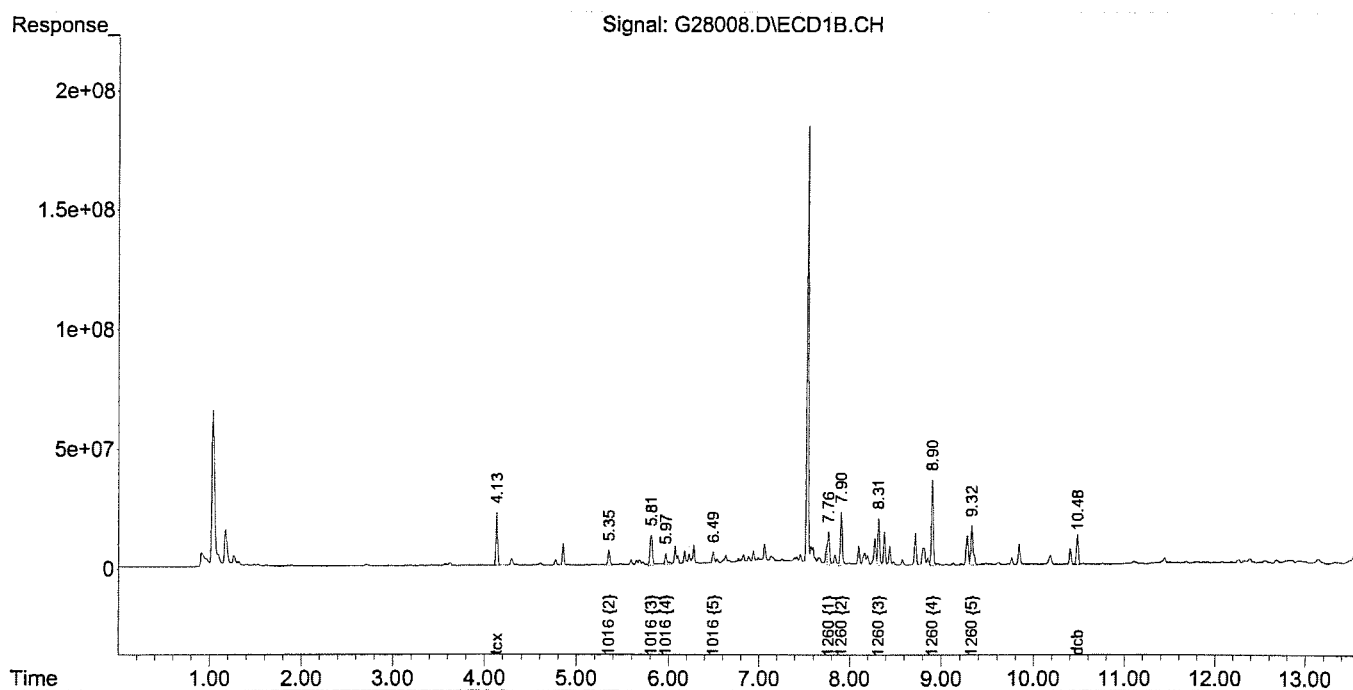
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28008.D

Acq On : 28 Jul 2005 14:18

Operator: eg

Sample : 5G27062-MSD2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:49 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

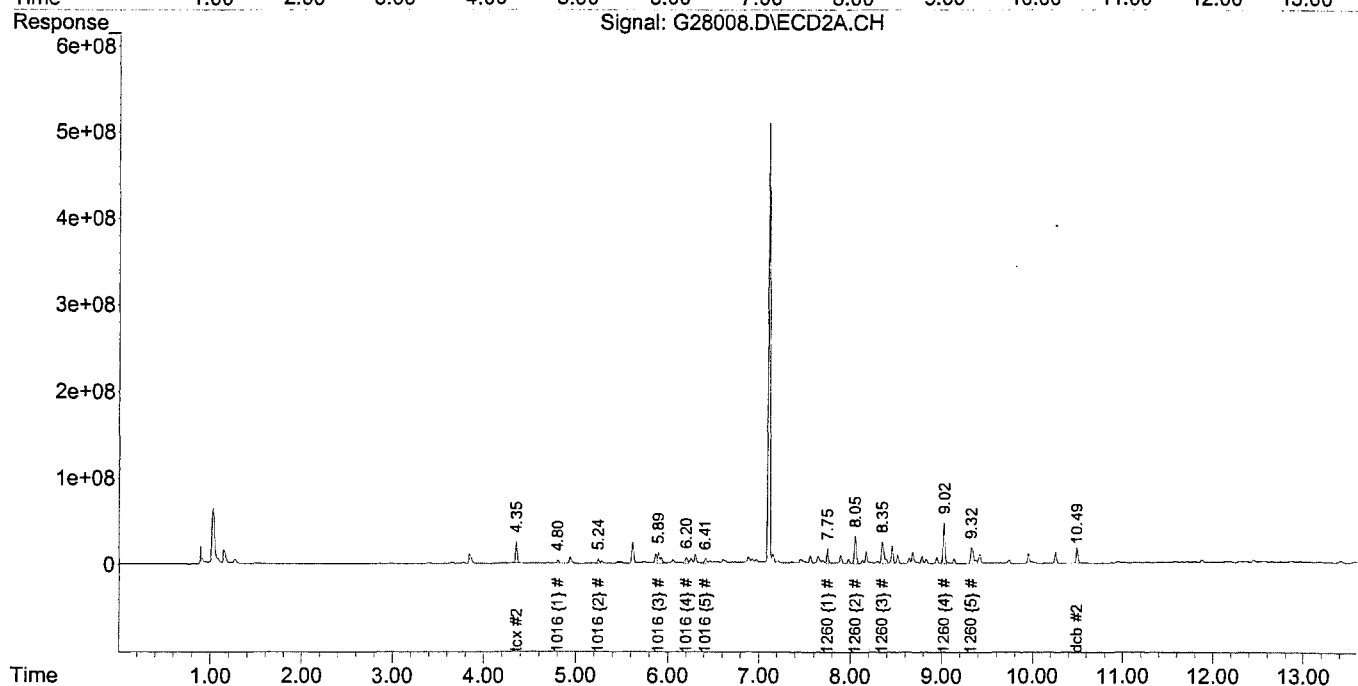
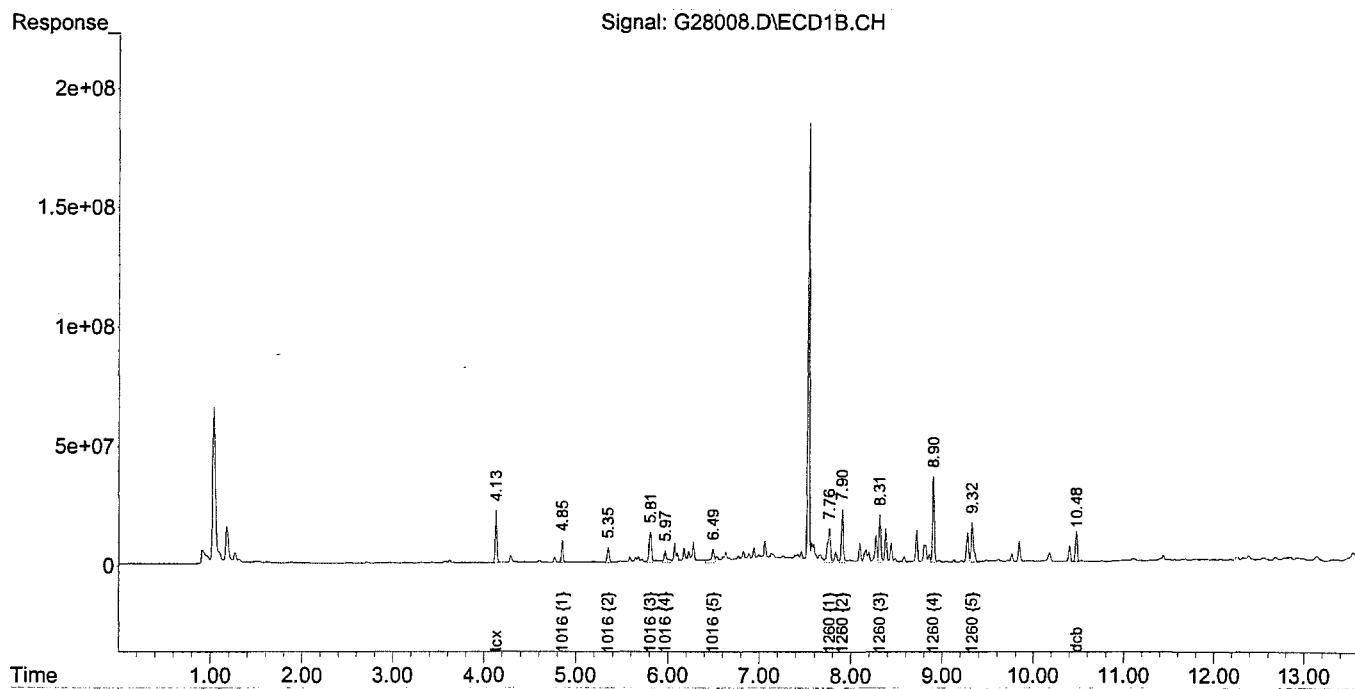
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28009.D

Acq On : 28 Jul 2005 14:37

Operator: eg

Sample : B5G0492-03

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:54:08 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

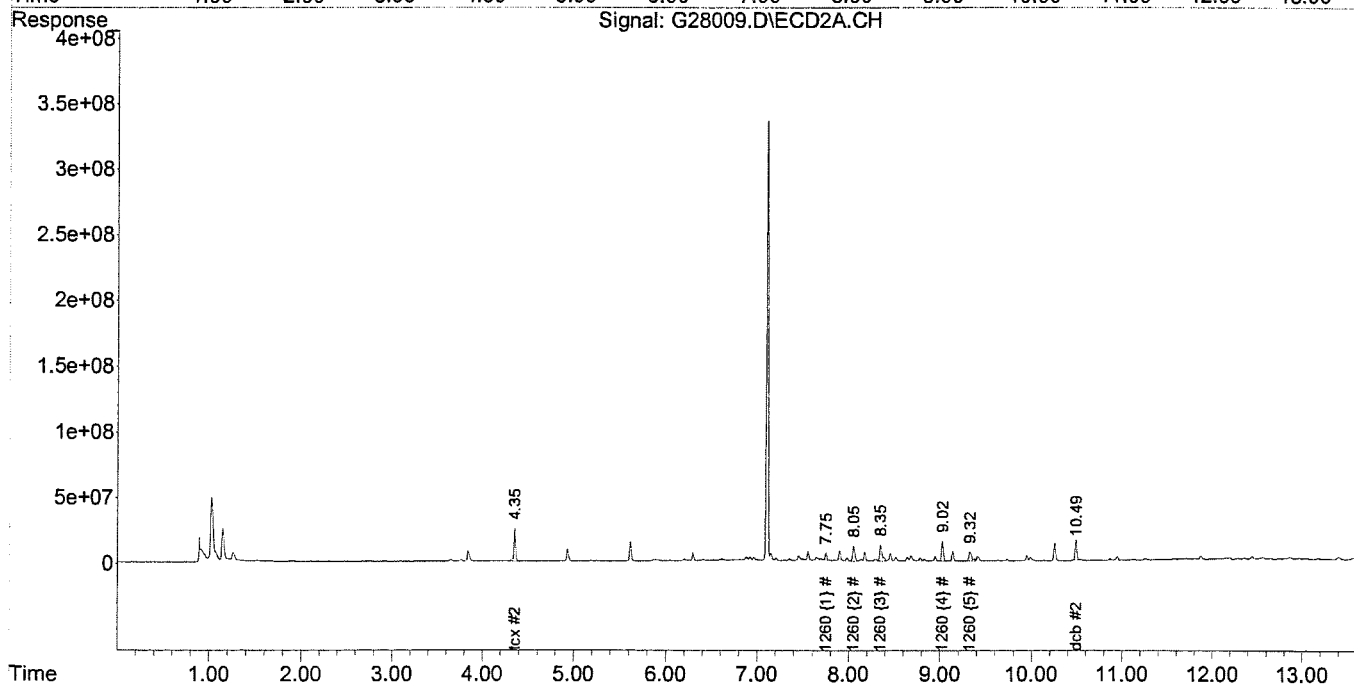
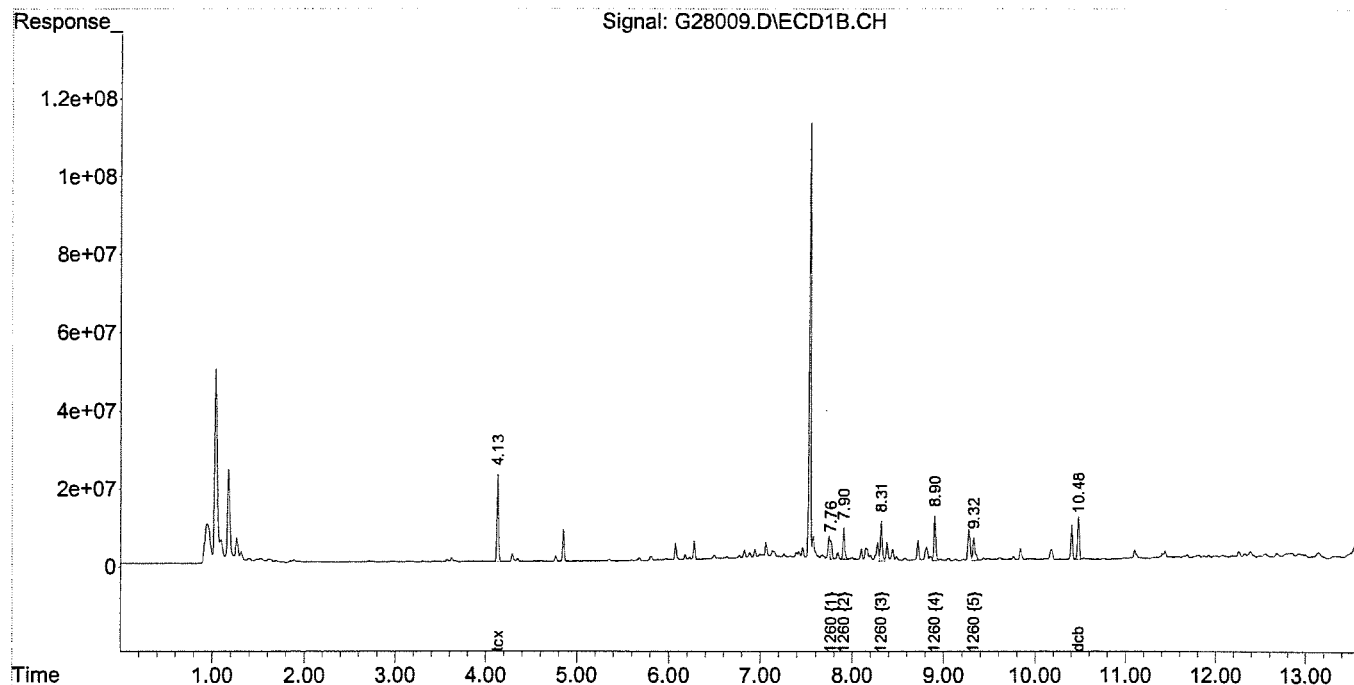
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28009.D

Acq On : 28 Jul 2005 14:37

Sample : B5G0492-03

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:40:59 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

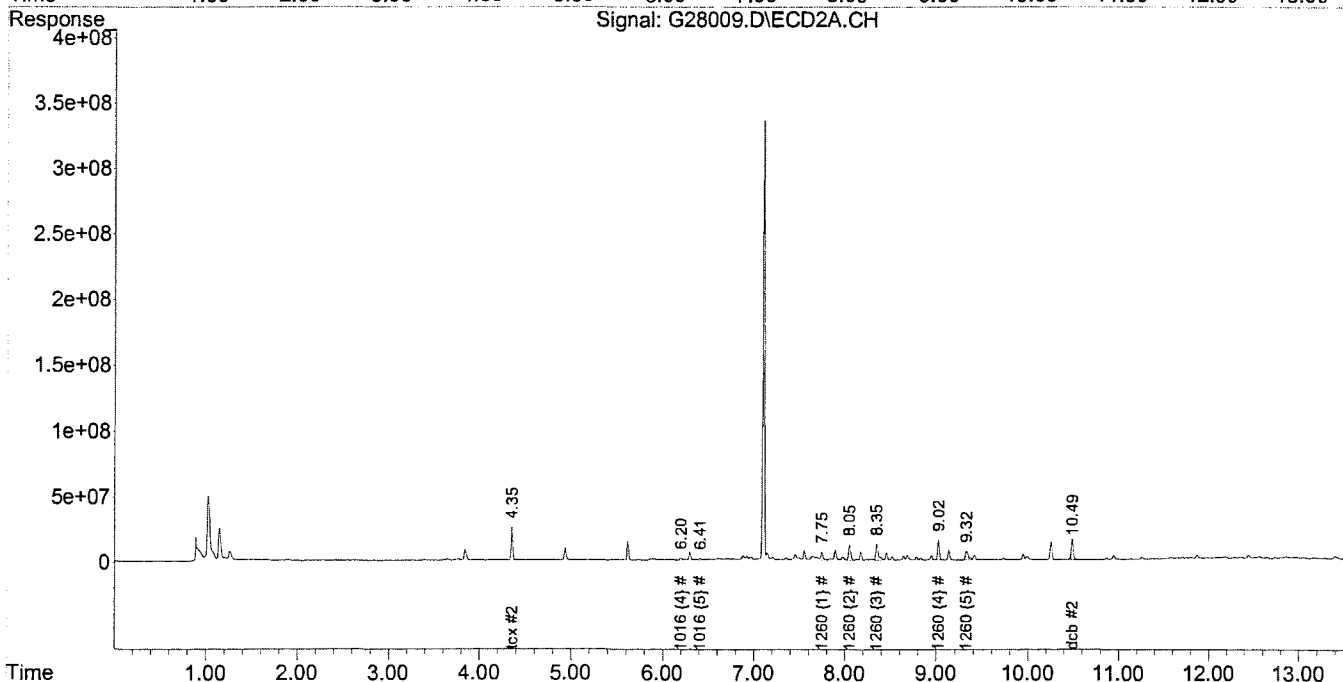
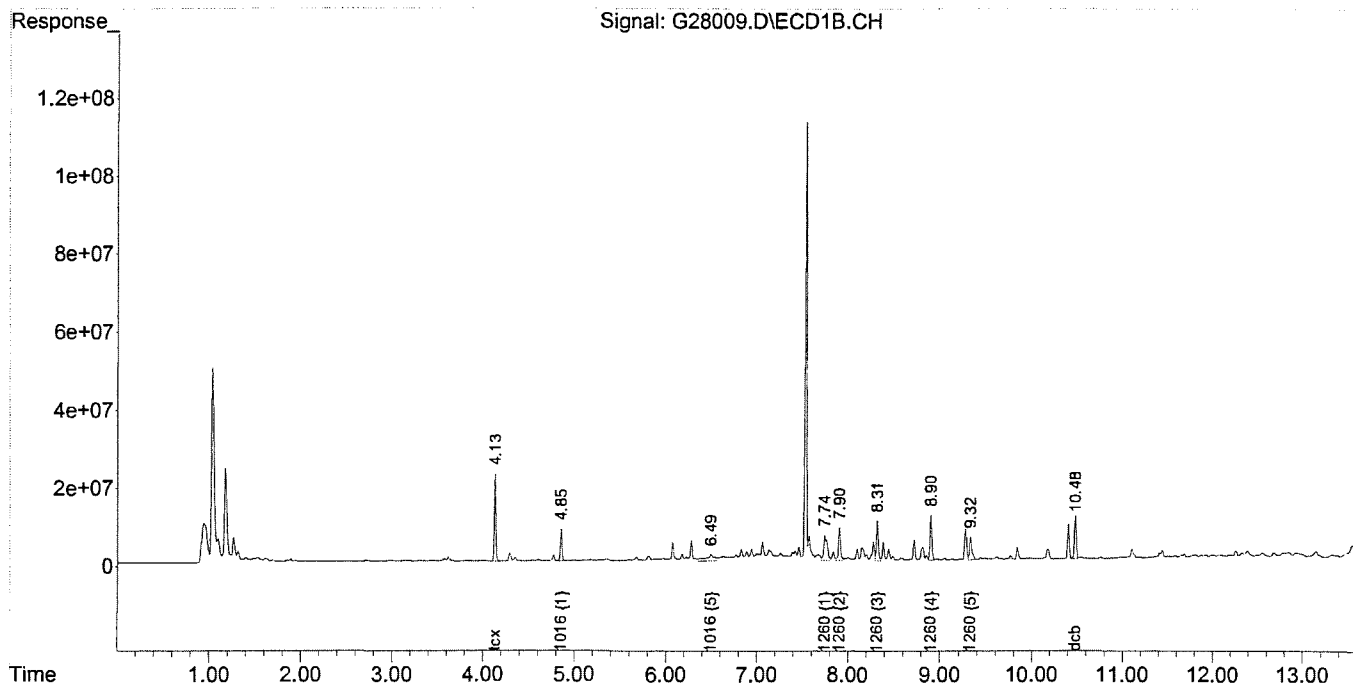
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28010.D

Acq On : 28 Jul 2005 14:55

Sample : B5G0543-01

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:54:36 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

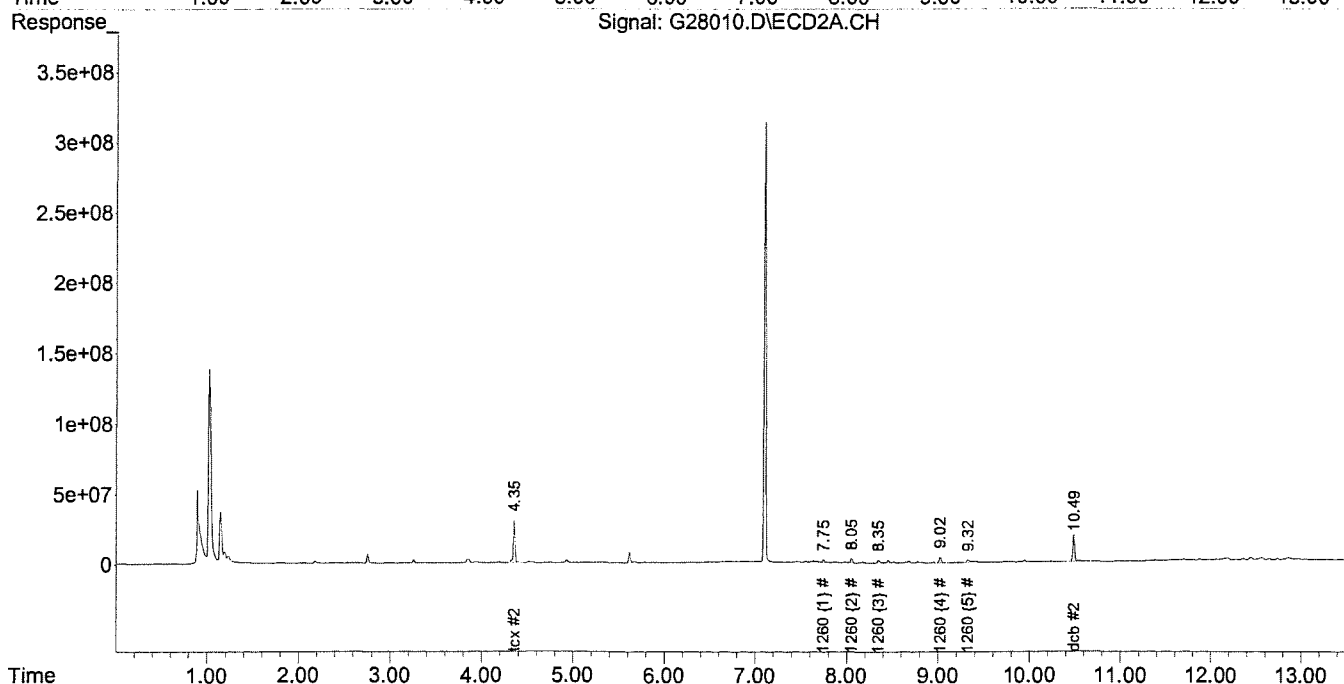
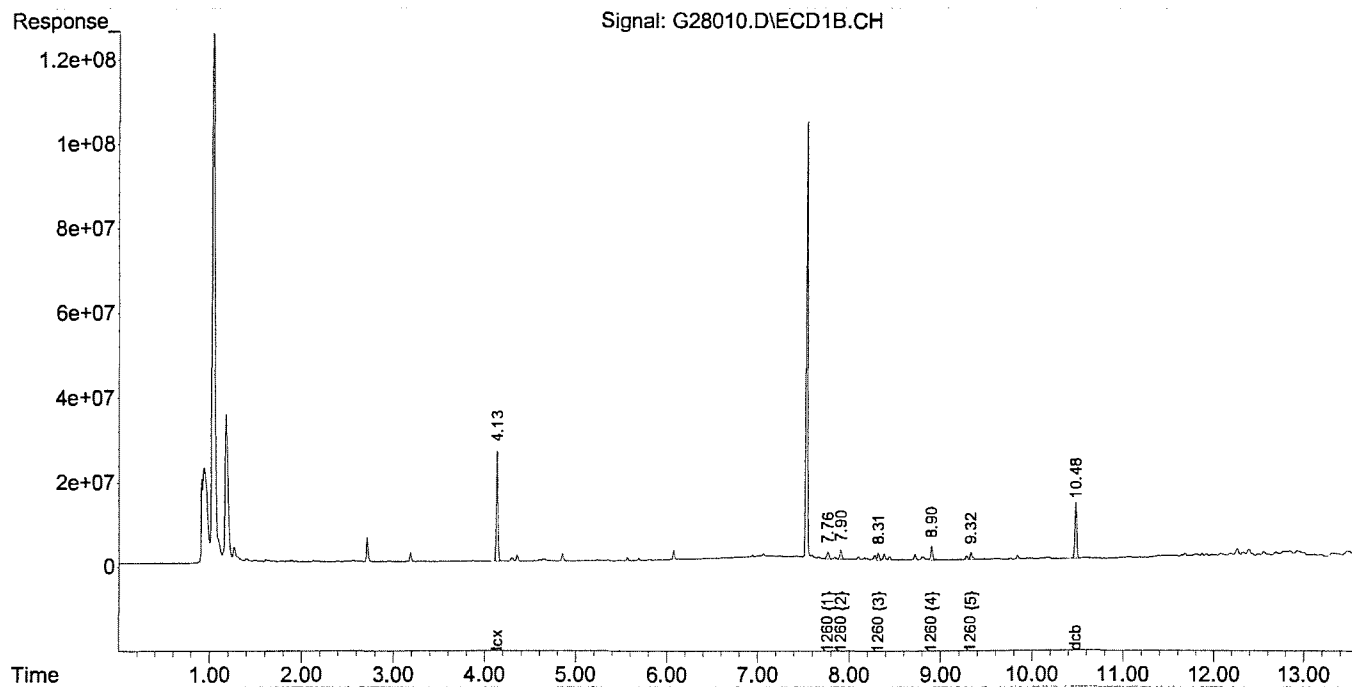
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28010.D

Acq On : 28 Jul 2005 14:55

Operator: eg

Sample : B5G0543-01

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:41:09 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

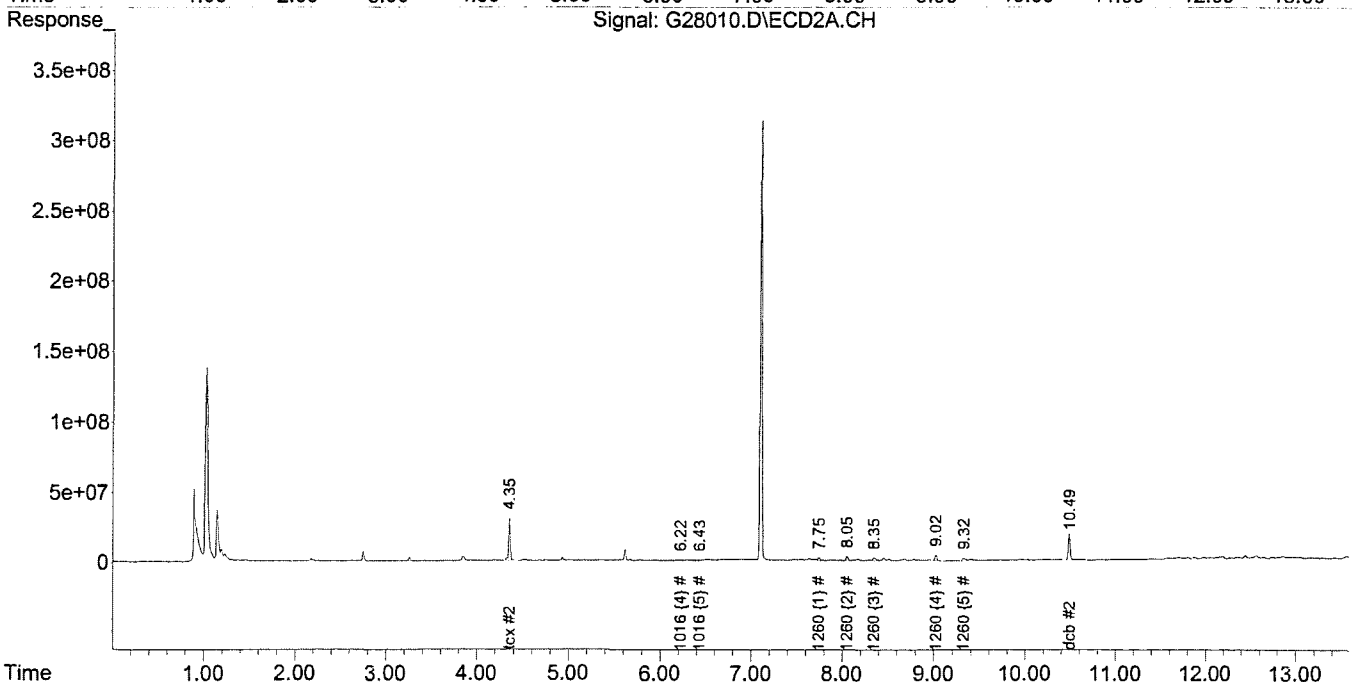
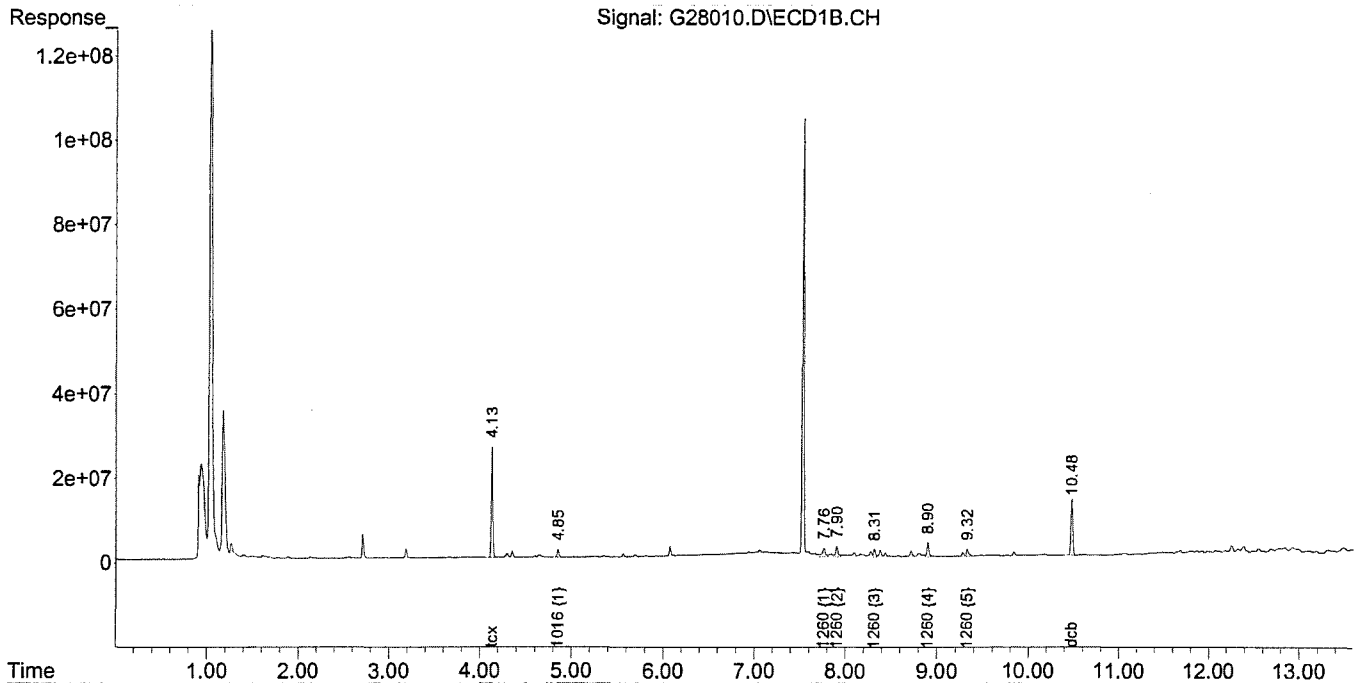
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28011.D

Acq On : 28 Jul 2005 15:13

Sample : B5G0543-02

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:55:13 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

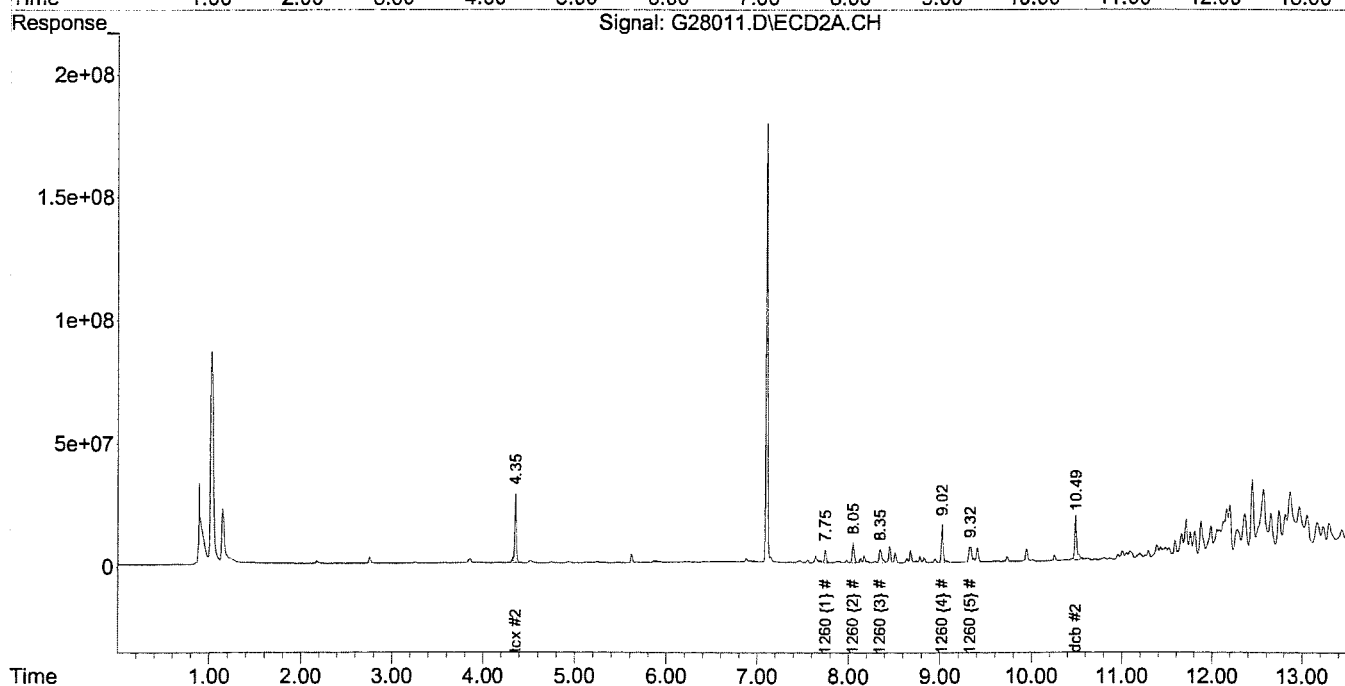
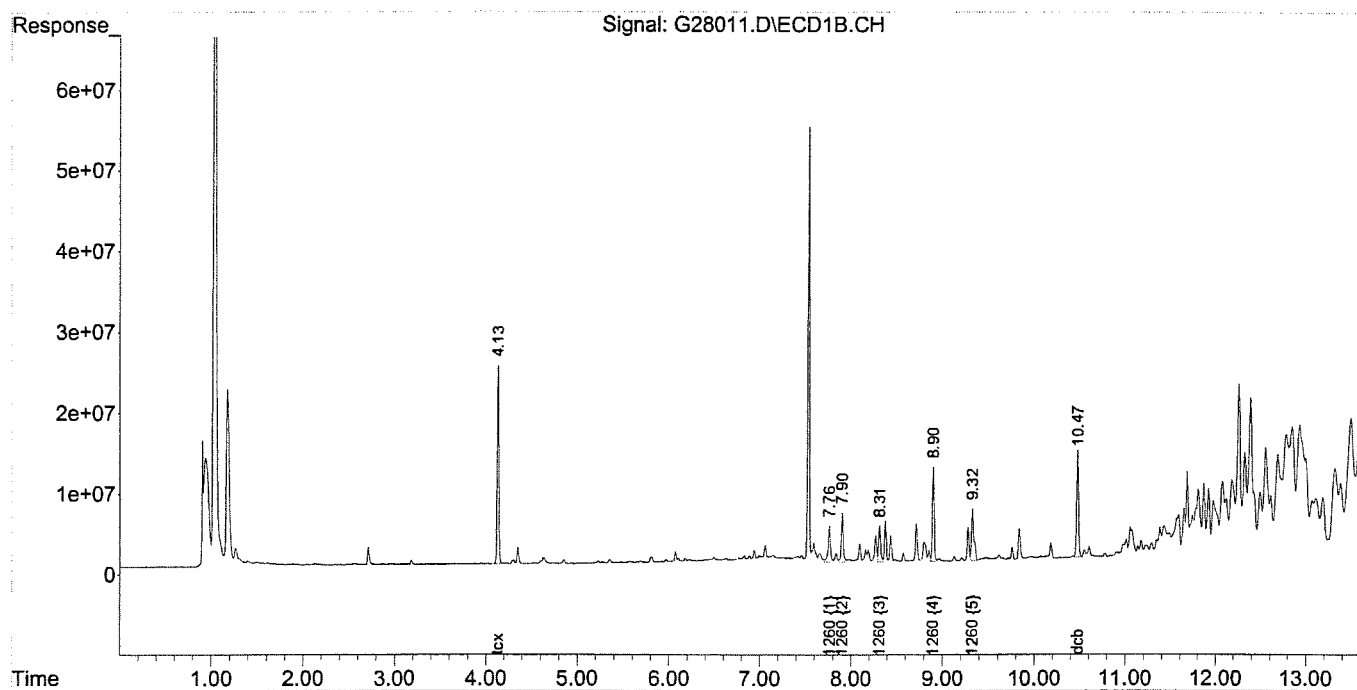
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28011.D

Acq On : 28 Jul 2005 15:13

Sample : B5G0543-02

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:41:19 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

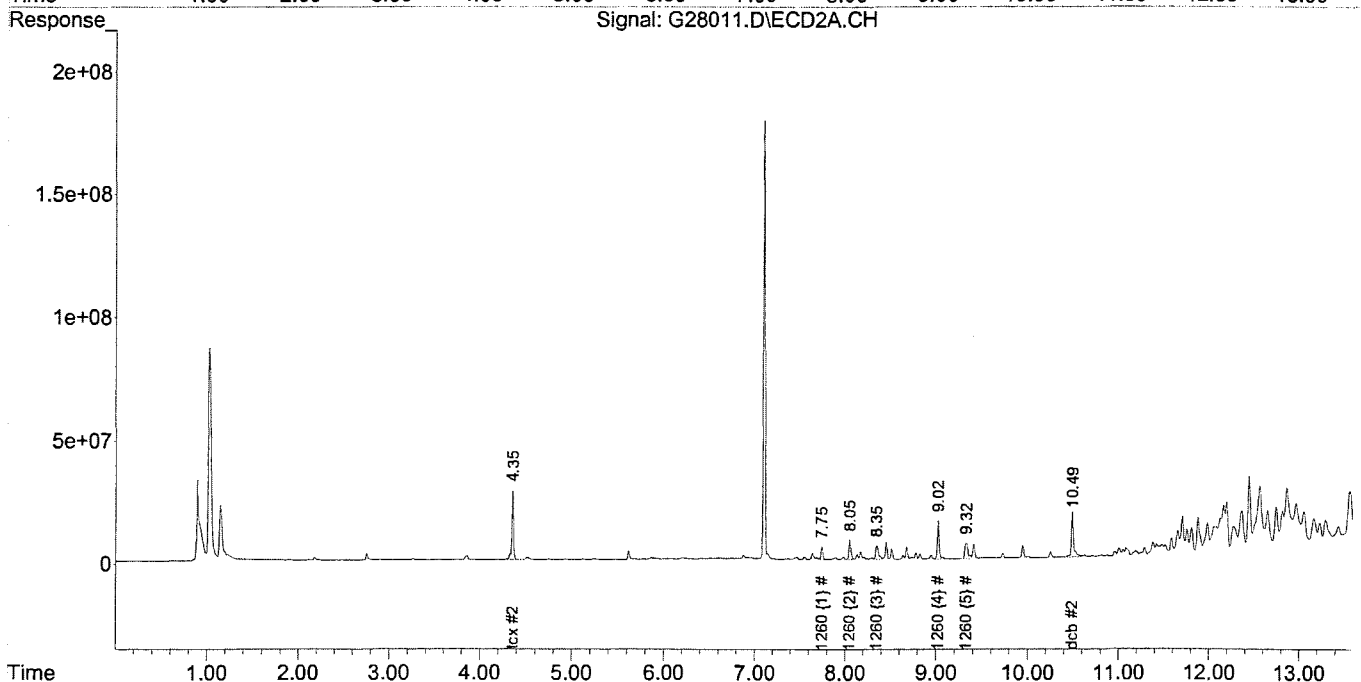
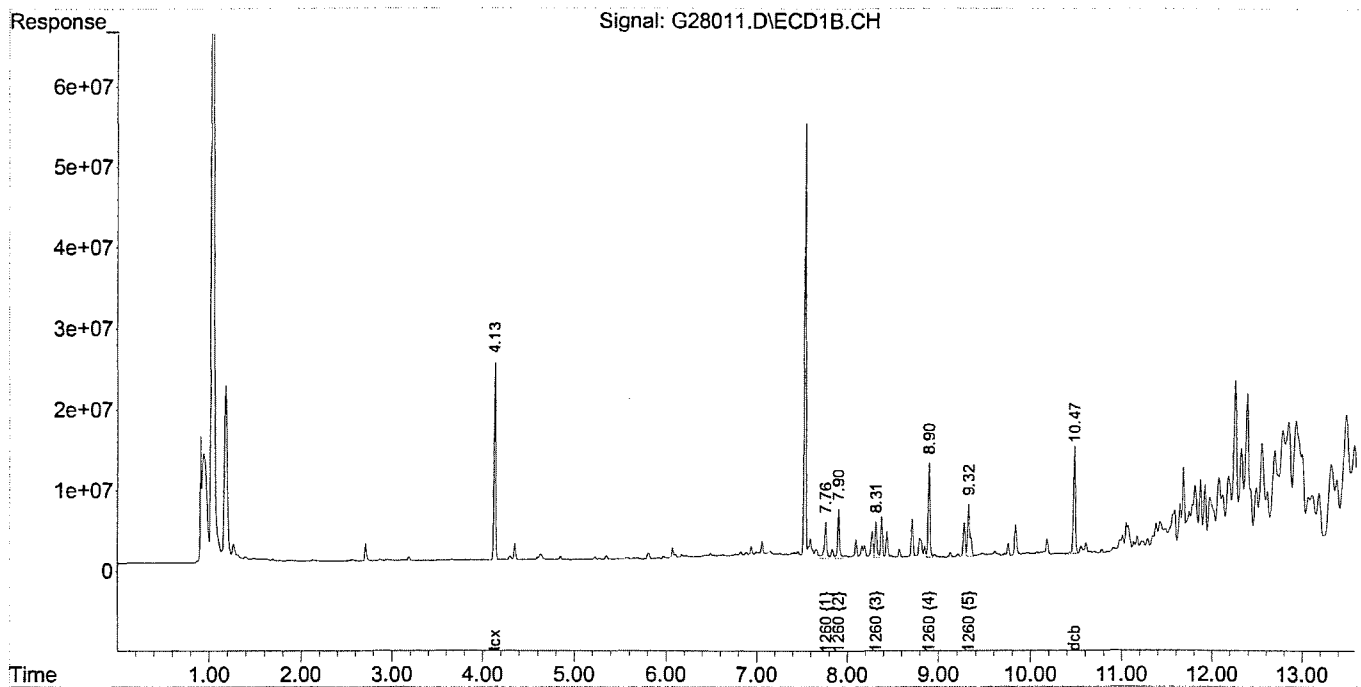
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28012.D

Acq On : 28 Jul 2005 15:31

Operator: eg

Sample : B5G0543-03

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:55:49 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

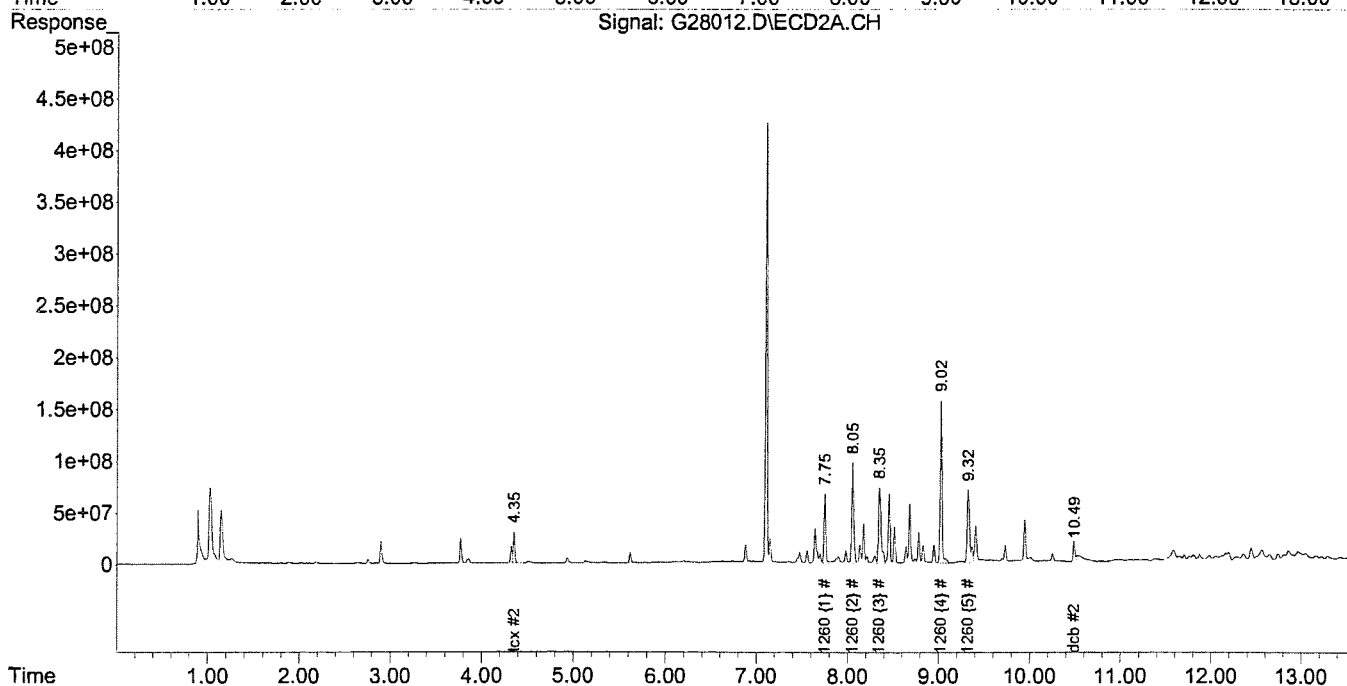
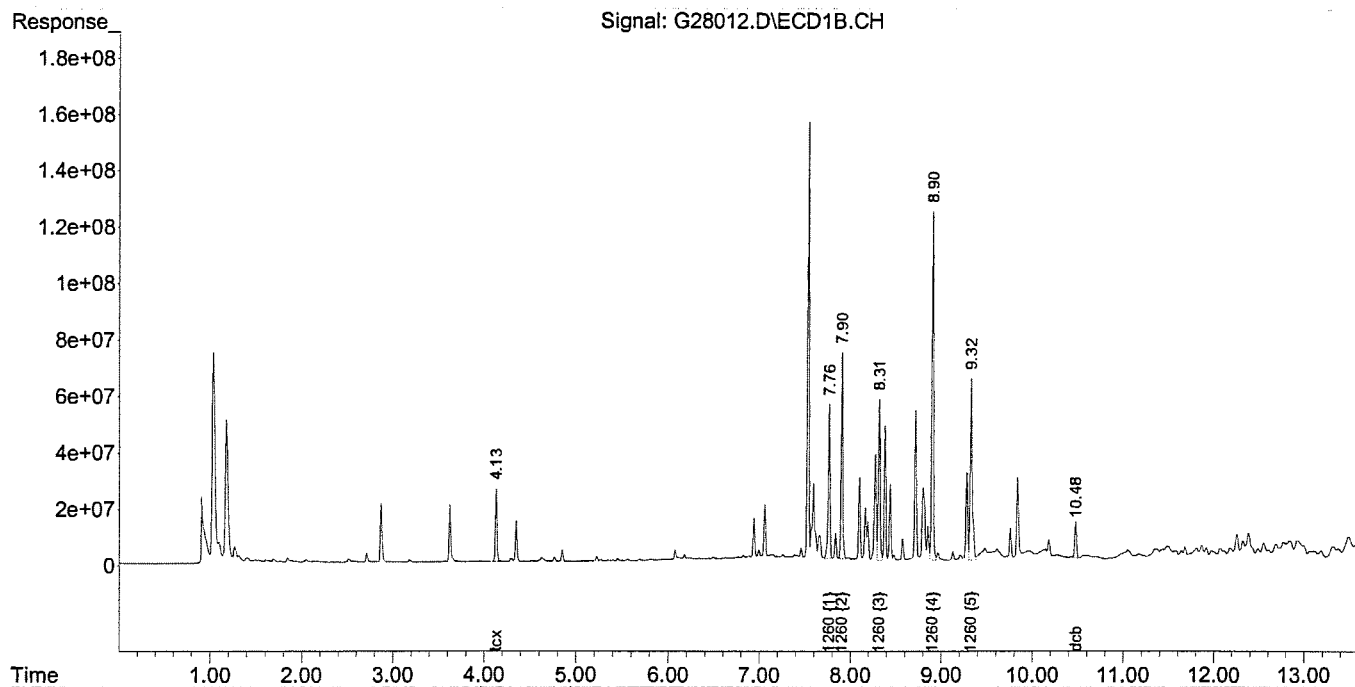
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28012.D

Acq On : 28 Jul 2005 15:31

Sample : B5G0543-03

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:41:29 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

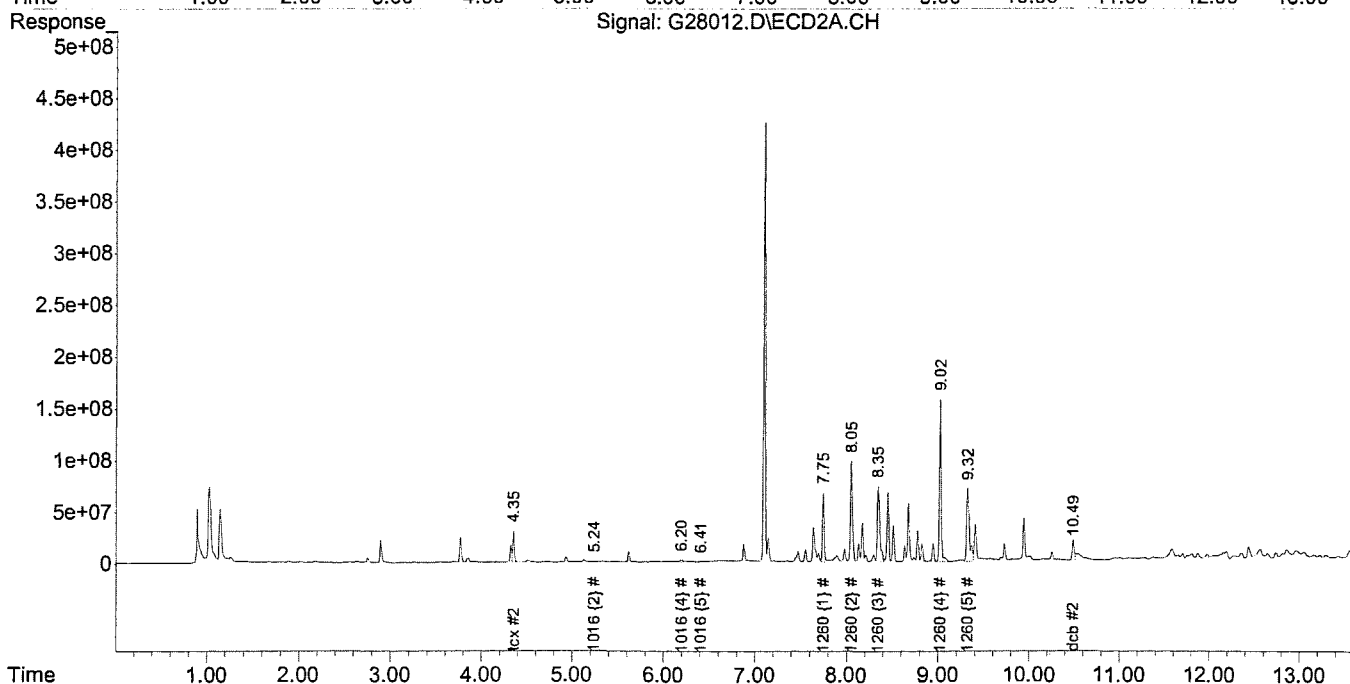
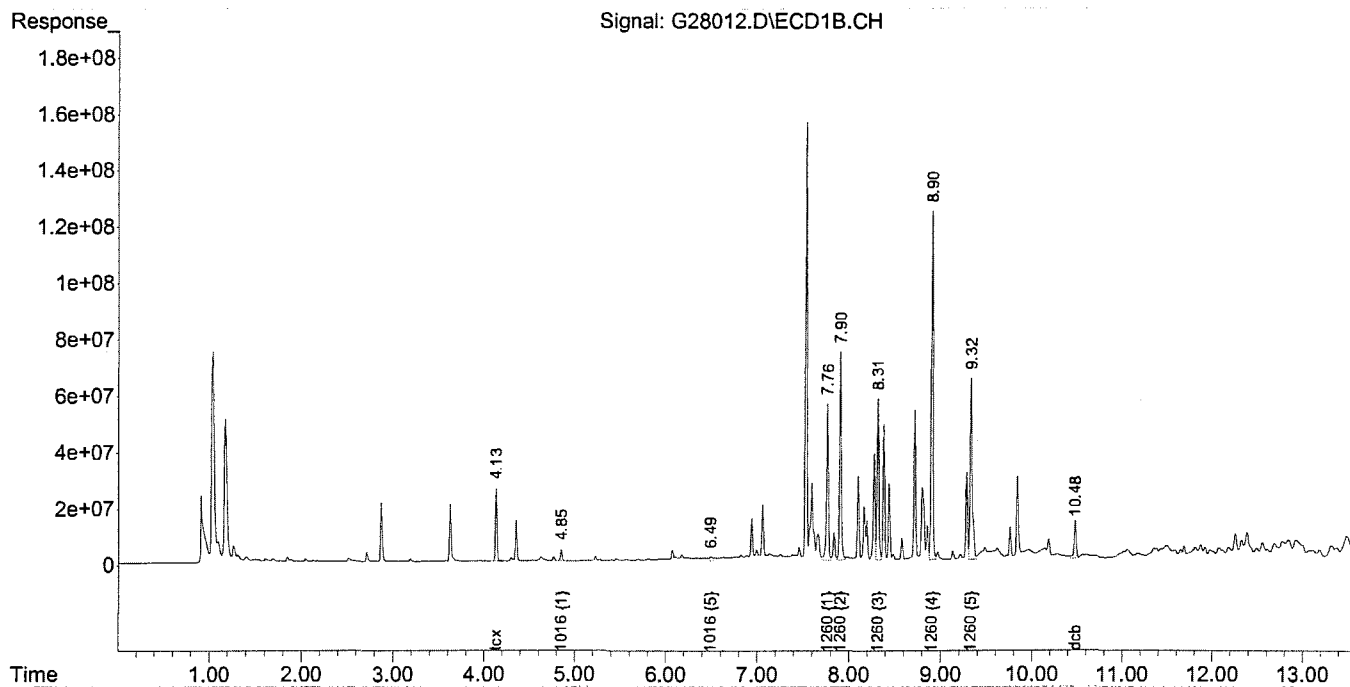
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28014.D

Acq On : 28 Jul 2005 16:08

Sample : 5G28031-CCV3

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:49:12 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

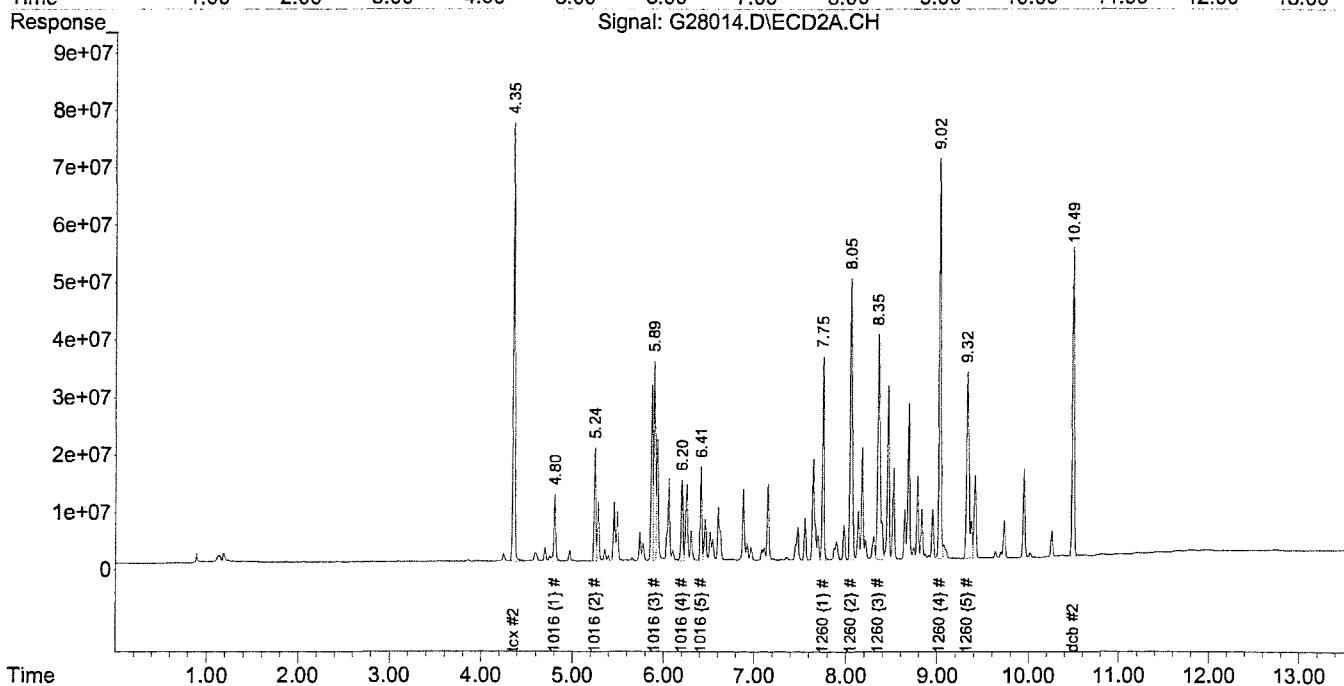
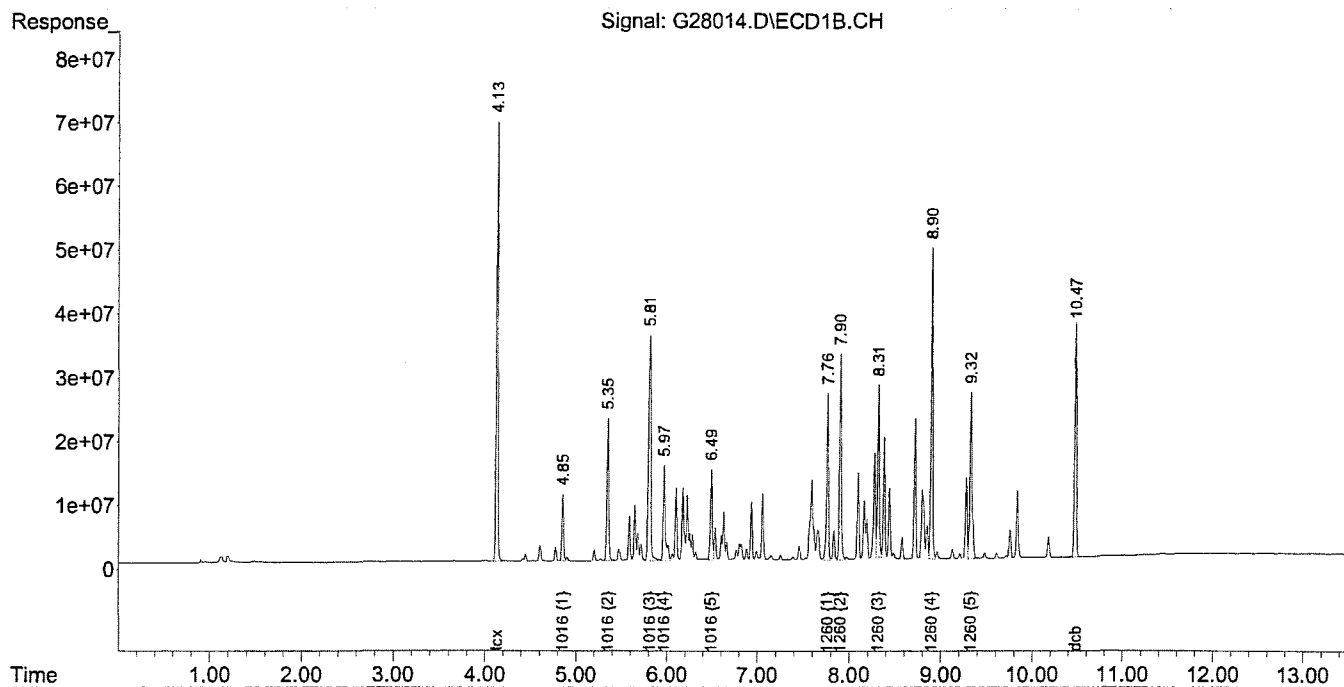
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072805\

Data File : G28014.D

Acq On : 28 Jul 2005 16:08

Operator: eg

Sample : 5G28031-CCV3

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 06:41:49 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

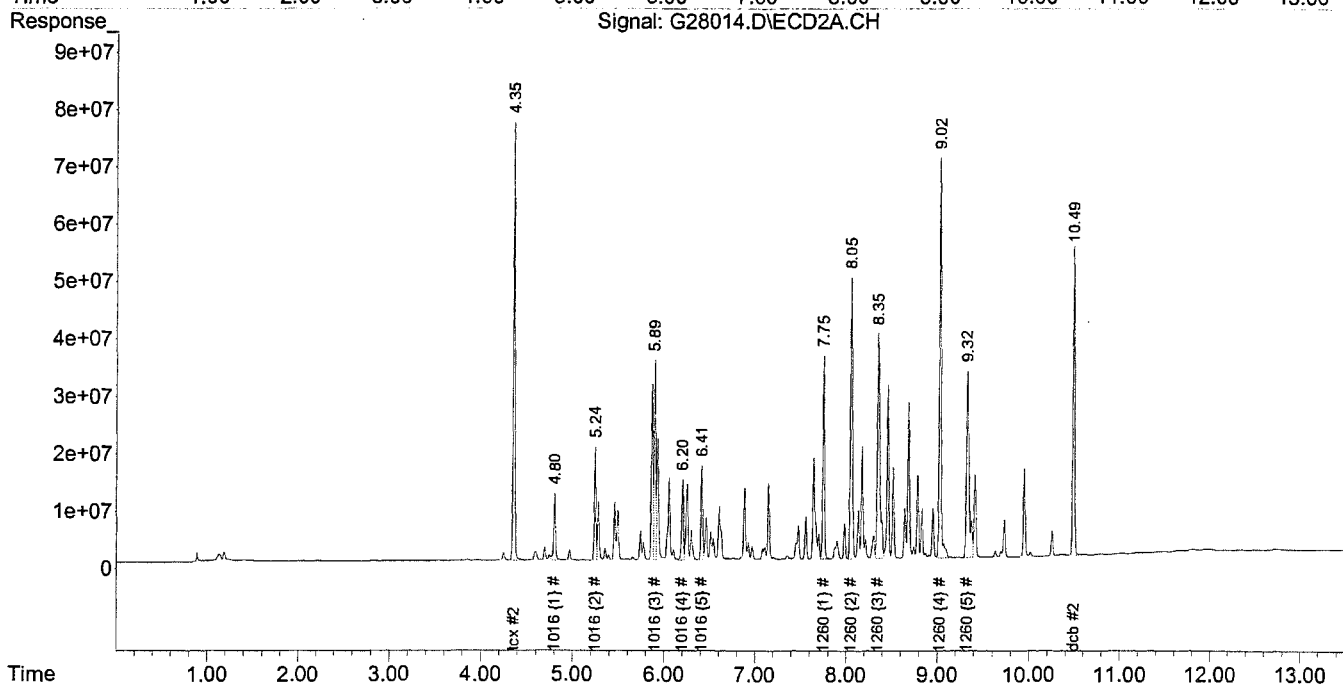
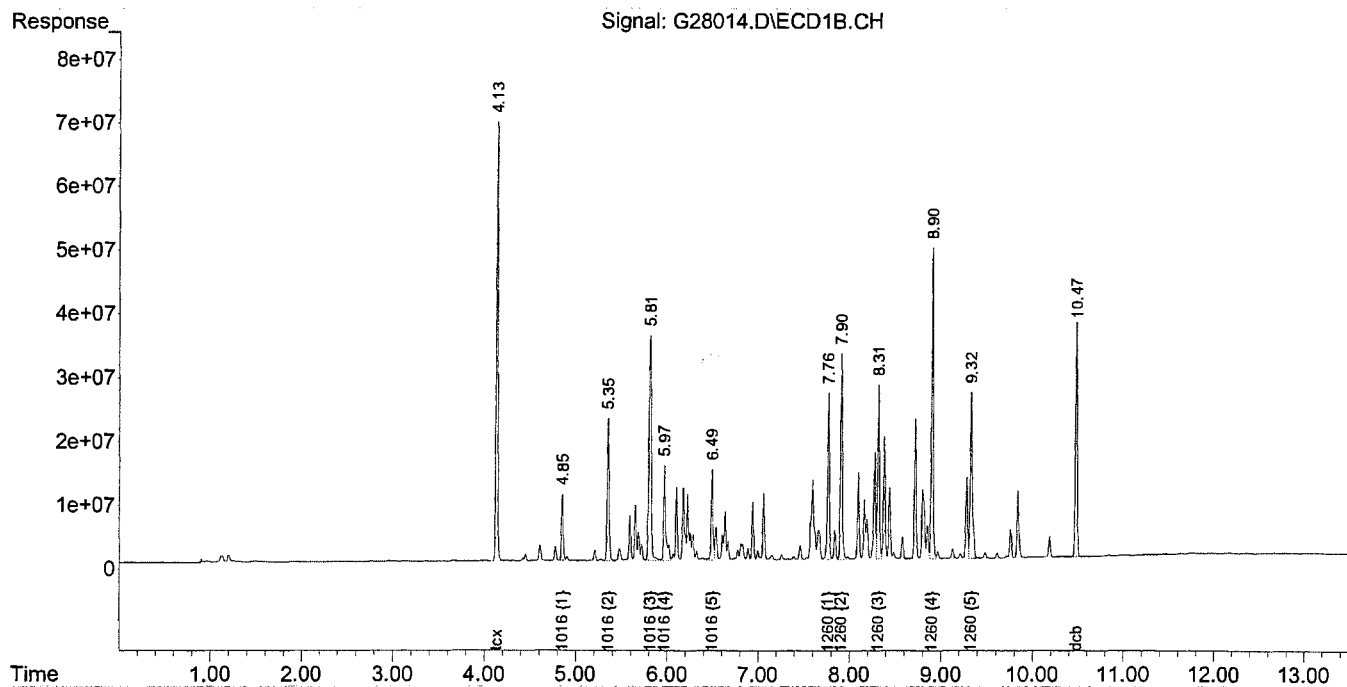
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Review Item	Yes	No	NA
Review prep bench sheet. Is it complete and were the samples properly batched? (Note exceptions on reverse side)	<input checked="" type="checkbox"/>		
<b>Continuing Calibration Verification (Note any exceptions on reverse side)</b>			
Is there a breakdown check for Pesticides every 12 hours?			<input checked="" type="checkbox"/>
In the breakdown check, is the breakdown $\leq 15\%$ for endrin and DDT on both columns?			<input checked="" type="checkbox"/>
Is the %R 85-115 or %D $\leq 15$ for each analyte on both columns and for each CCV in the sequence?		<input checked="" type="checkbox"/>	
Have CCVs been analyzed at least every 20 injections and at the end of the sequence?	<input checked="" type="checkbox"/>		
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
<b>Method Blank (Note any exceptions on reverse side)</b>			
Is the method blank free of any positive results (< one-half the MRL)?	<input checked="" type="checkbox"/>		
If not, is the blank <5% of sample results or are all associated samples non-detect for the affected analyte?	<input checked="" type="checkbox"/>		
Are the reporting limits correctly adjusted for amount extracted?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within the control limits?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
Review chromatography. Is the baseline correctly drawn?	<input checked="" type="checkbox"/>		
<b>Sample Results (Note any exceptions on reverse side)</b>			
Were the samples extracted and analyzed within holding time?	<input checked="" type="checkbox"/>		
Are the reported results correctly calculated? Check dilution factors, amount extracted & extract volume.	<input checked="" type="checkbox"/>		
Are dilution factors correctly documented on the raw data?	<input checked="" type="checkbox"/>		
Do the results from multiple analyses (dilutions included) of the same sample agree within reasonable limits?	<input checked="" type="checkbox"/>		
Do the results in Element match those from the quant report?	<input checked="" type="checkbox"/>		
Are the analyte peaks within the calculated RRT windows?	<input checked="" type="checkbox"/>		
Are all reported quantitated values within the linear range or qualified with an "E"?	<input checked="" type="checkbox"/>		
Are all positive results confirmed and P flagged as needed?	<input checked="" type="checkbox"/>		
Are the results correctly qualified, i.e., P, B, J, E?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within the control limits?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
<b>BS/BSD/MS/MSD (Note any exceptions on reverse side)</b>			
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	<input checked="" type="checkbox"/>		
Are the sample and spiked results correctly calculated?	<input checked="" type="checkbox"/>		
Are the %Rs and RPDs correctly calculated and within control limits?	<input checked="" type="checkbox"/>		
Are the surrogate %Rs correctly calculated and within control limits?	<input checked="" type="checkbox"/>		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Did the analyst initial and date the MIs?	<input checked="" type="checkbox"/>		
Is a MintMiner report present?	<input checked="" type="checkbox"/>		
Were any trends identified in your review of the associated control chart?		<input checked="" type="checkbox"/>	
Are the results correctly qualified?	<input checked="" type="checkbox"/>		
Does the NCR accurately describe all non-compliant issues and the actions taken?	<input checked="" type="checkbox"/>		

Comments: 10 cars ok on front column only.

I certify that this analytical batch meets all the requirements set forth in the appropriate SOPs with the exceptions noted above.

Analyst Signature: [Signature] Date: 7.29.05

I certify that this analytical batch has been thoroughly reviewed and all reportable results meet the requirements set forth in the appropriate SOPs with the exceptions noted above.

Reviewer Signature: [Signature] Date: 8/29/05

# Injection Log

Directory: C:\MSDCHEM\2\DATA\072905

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	96	G29001.d	0.	5G29005-IBL1	1x	Unrecognized:Un
2	96	G29002.d	0.	5G29005-IBL2	1x	Unrecognized:Un
3	100	G29003.d	0.	5G29005-CCV1 <i>OK Front</i>	1x 5060009	Unrecognized:Un
4	1	G29004.d	0.	B5G0543-03RE1	5x	Unrecognized:Un
5	2	G29005.d	0.	B5G0492-04RE1	10x	Unrecognized:Un
6	3	G29006.d	0.	B5G0492-08RE1	10x	Unrecognized:Un
7	4	G29007.d	0.	5G28003-BLK1	1x	29 Jul 2005 10:02
8	5	G29008.d	0.	5G28003-BS1	1x	29 Jul 2005 10:20
9	6	G29009.d	0.	5G28003-BSD1	1x	29 Jul 2005 10:39
10	100	G29010.d	0.	5G29005-CCV2 <i>OK front</i>	1x 5060009	29 Jul 2005 10:57
11	7	G29011.d	0.	5G28003-MS1	1x	29 Jul 2005 11:15
12	8	G29012.d	0.	5G28003-MSD1	1x	29 Jul 2005 11:34
13	9	G29013.d	0.	B5G0466-01	1x	29 Jul 2005 11:52
14	100	G29014.d	0.	5G29005-CCV3	1x 5060009	29 Jul 2005 12:10
15	100	G29015.d	0.	5G29005-CCV4 <i>OK Front</i>	1x 5060009	29 Jul 2005 12:28

*copy 7, 29, 05*  
*Hexane lot #0046233*



Data Path : C:\MSDCHEM\2\DATA\072905\

Data File : G29003.D

Acq On : 29 Jul 2005 8:04

Operator: eg

Sample : 5G29005-CCV1

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 13:12:29 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

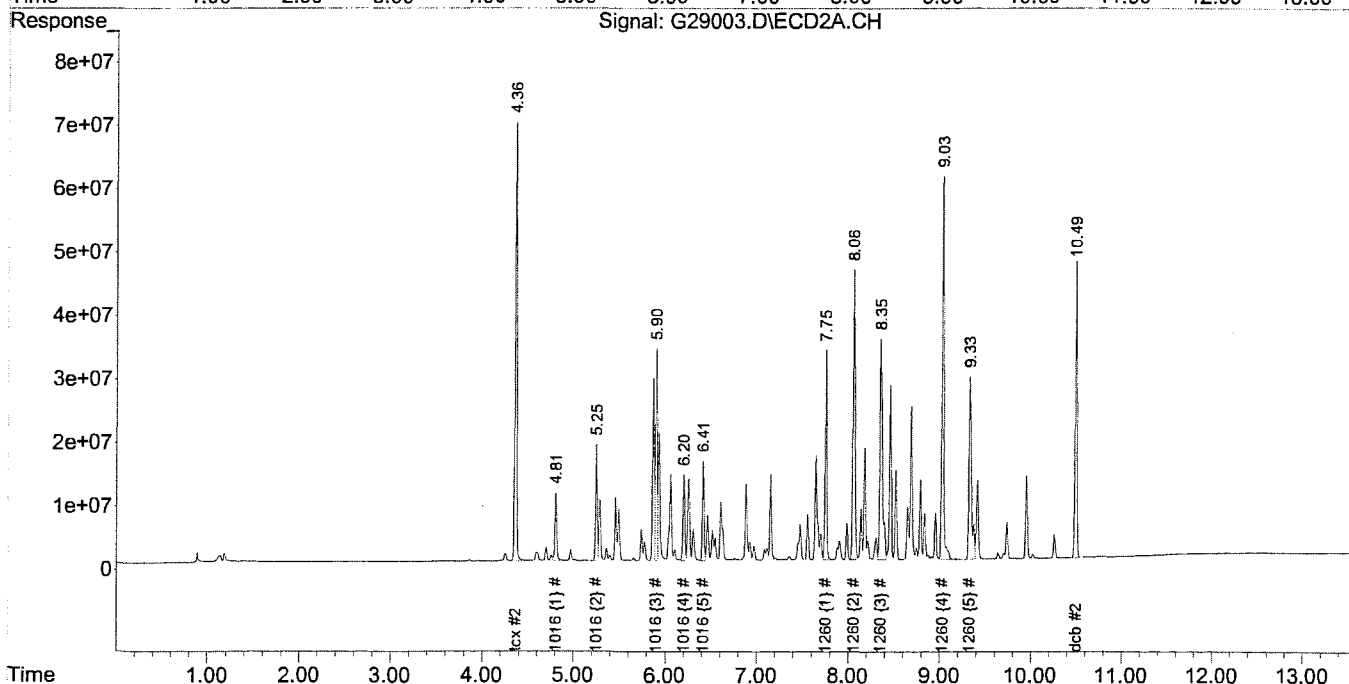
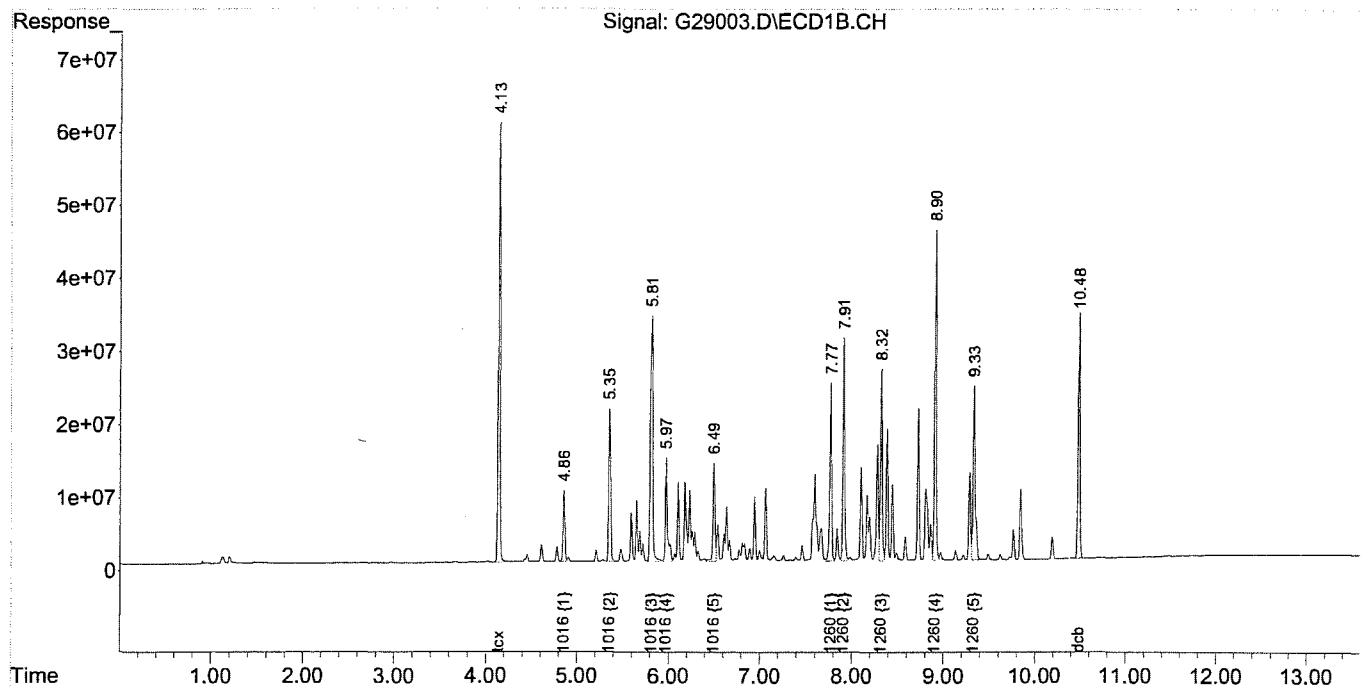
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072905\

Data File : G29003.D

Acq On : 29 Jul 2005 8:04

Sample : 5G29005-CCV1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 13:09:34 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

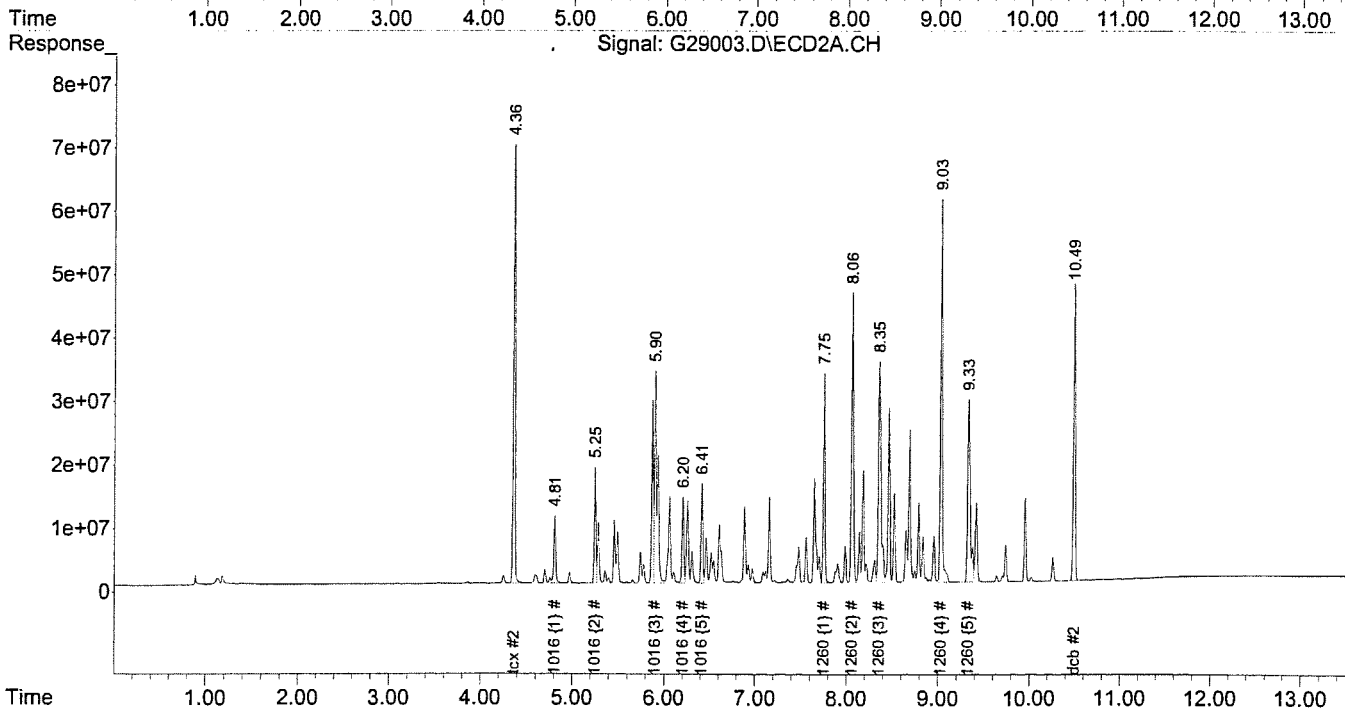
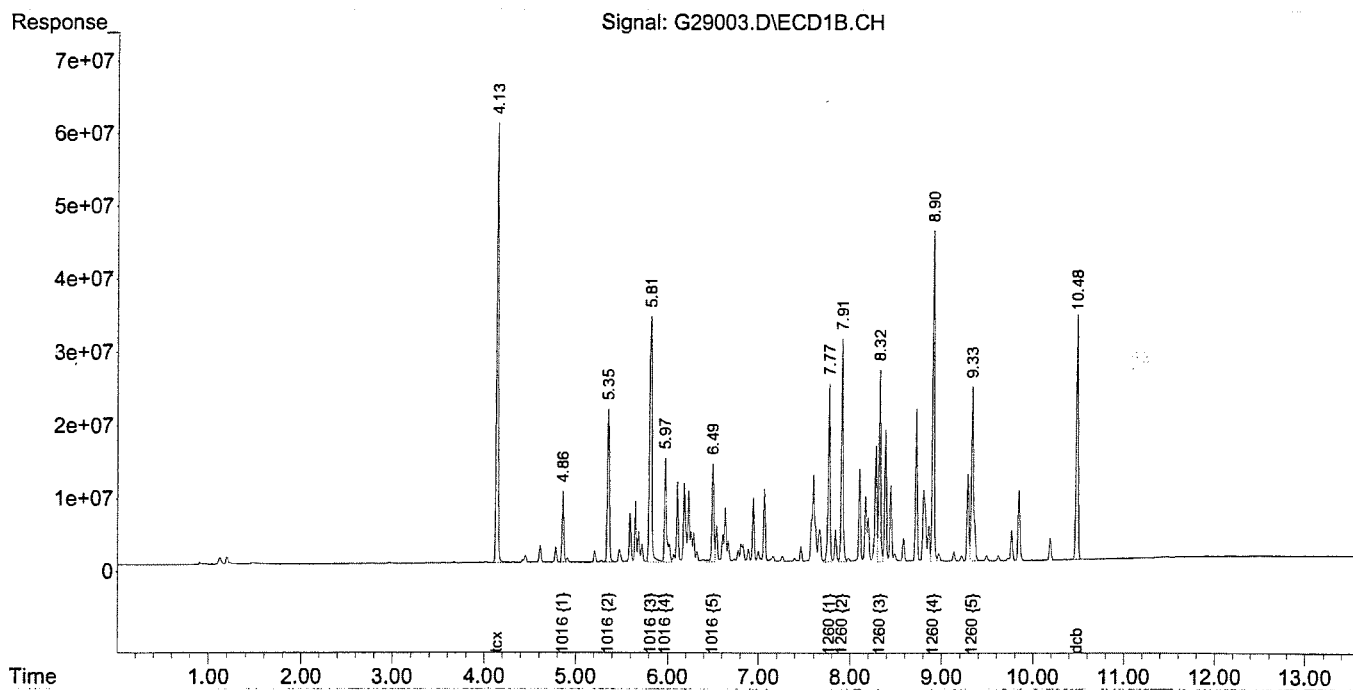
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072905\

Data File : G29004.D

Acq On : 29 Jul 2005 9:07

Operator: eg

Sample : B5G0543-03RE1

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 5x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 13:29:48 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

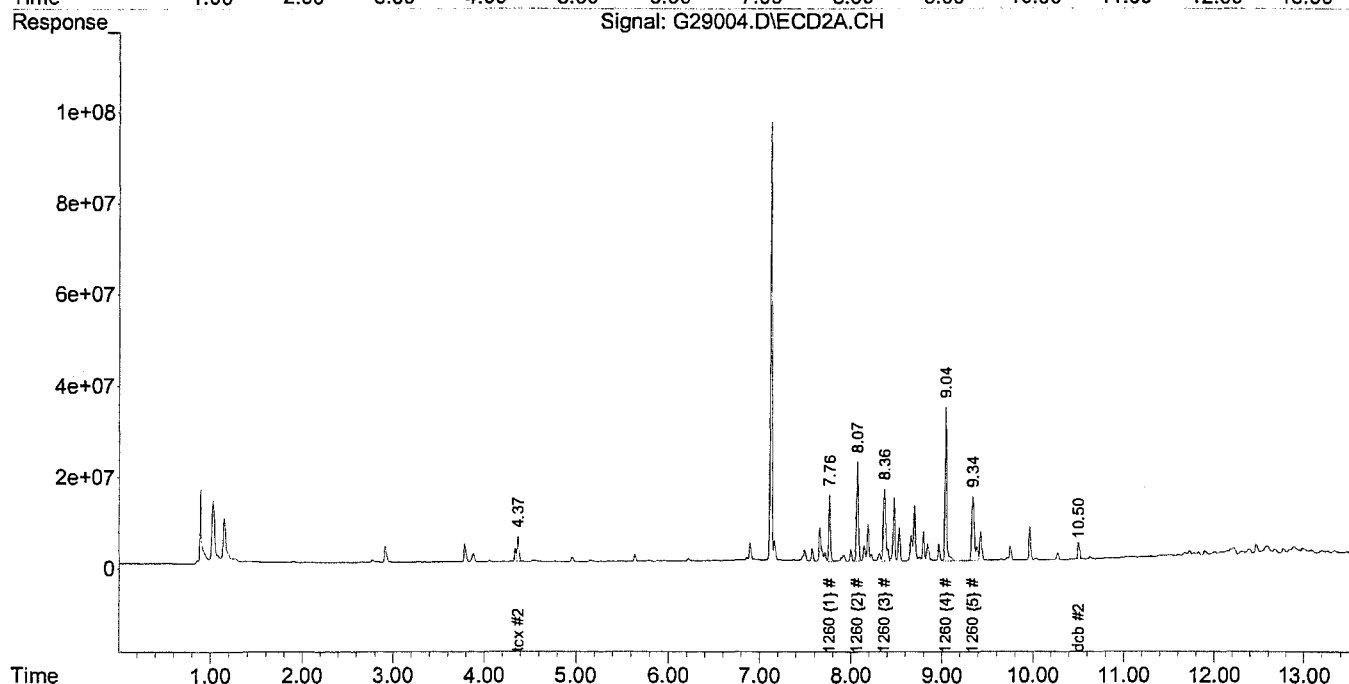
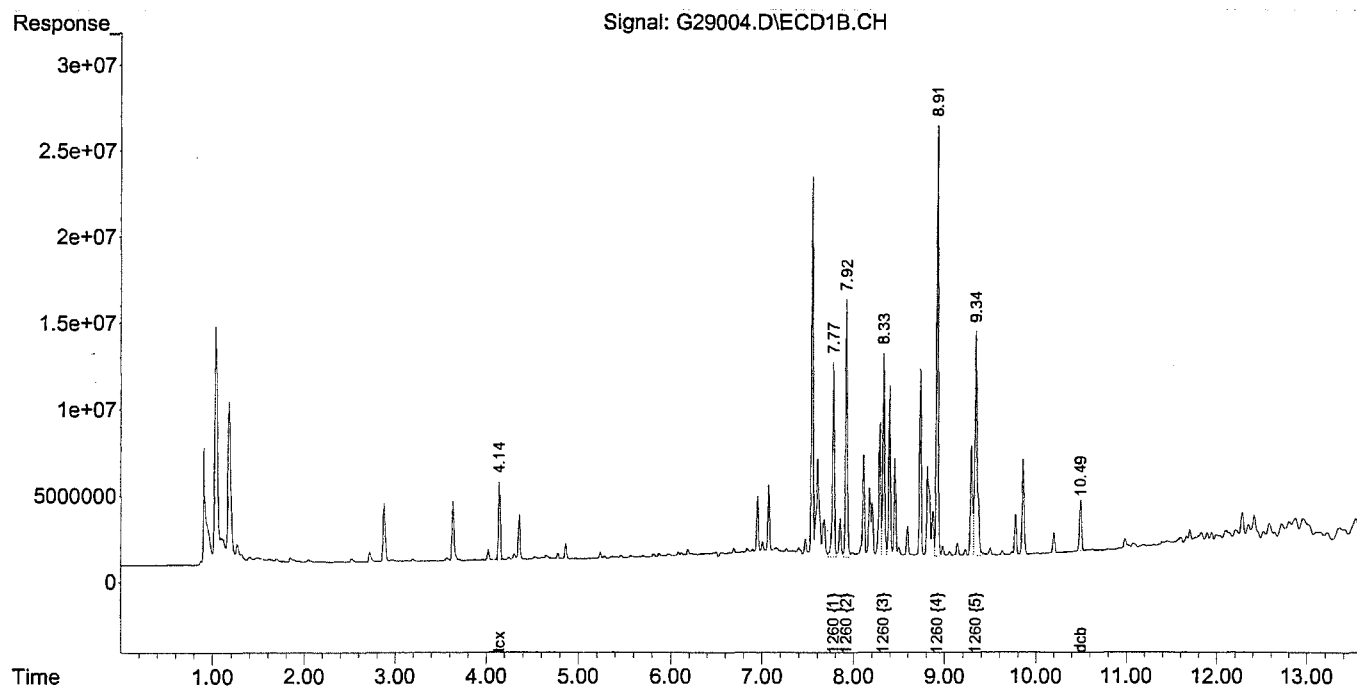
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072905\

Data File : G29004.D

Acq On : 29 Jul 2005 9:07

Operator: eg

Sample : B5G0543-03RE1

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 5x

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 13:09:44 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

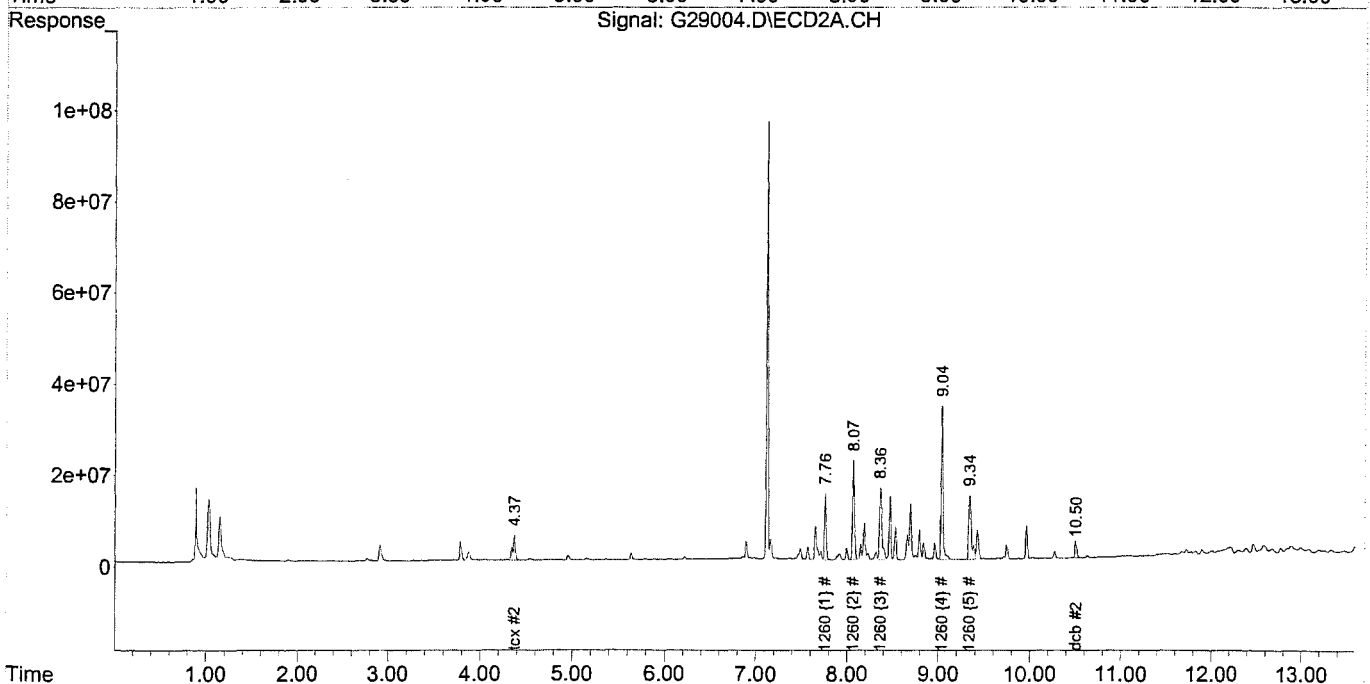
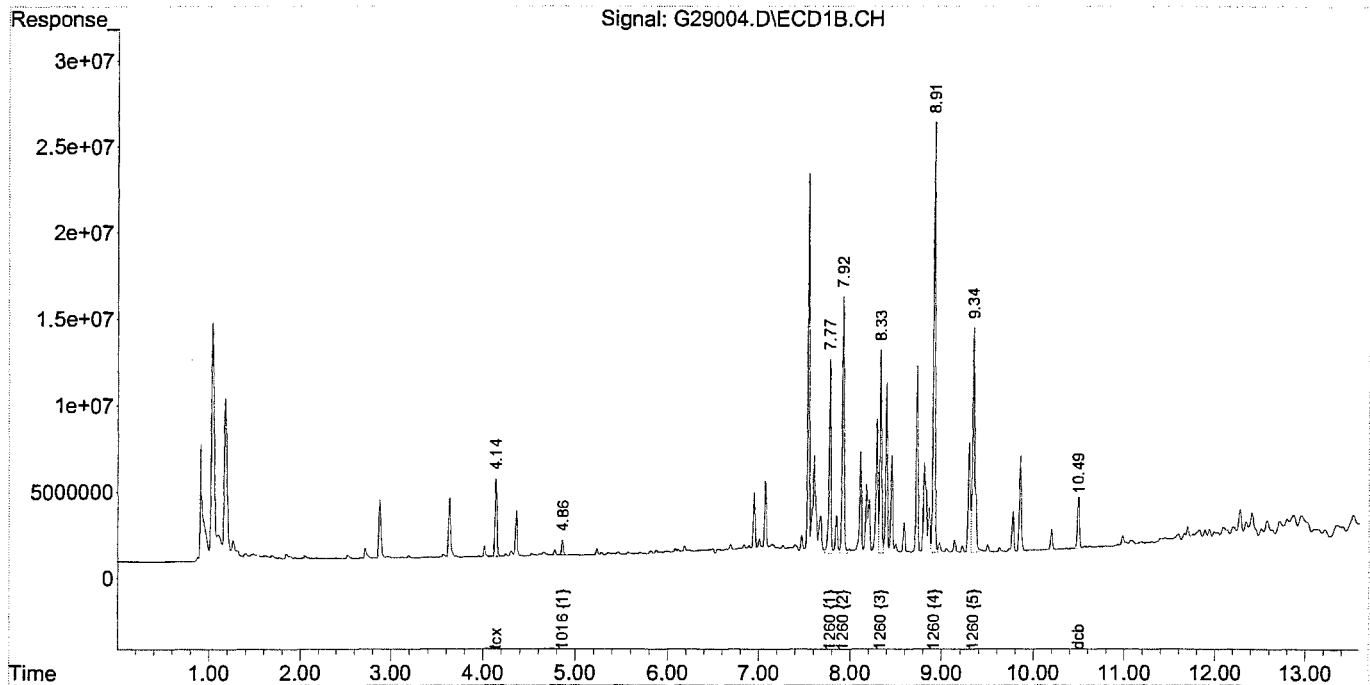
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\072905\

Data File : G29010.D

Acq On : 29 Jul 2005 10:57

Operator: eg

Sample : 5G29005-CCV2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5060009

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCF2205E.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Jul 29 13:10:45 2005

QLast Update : Wed Jul 27 10:30:03 2005

Response via : Initial Calibration

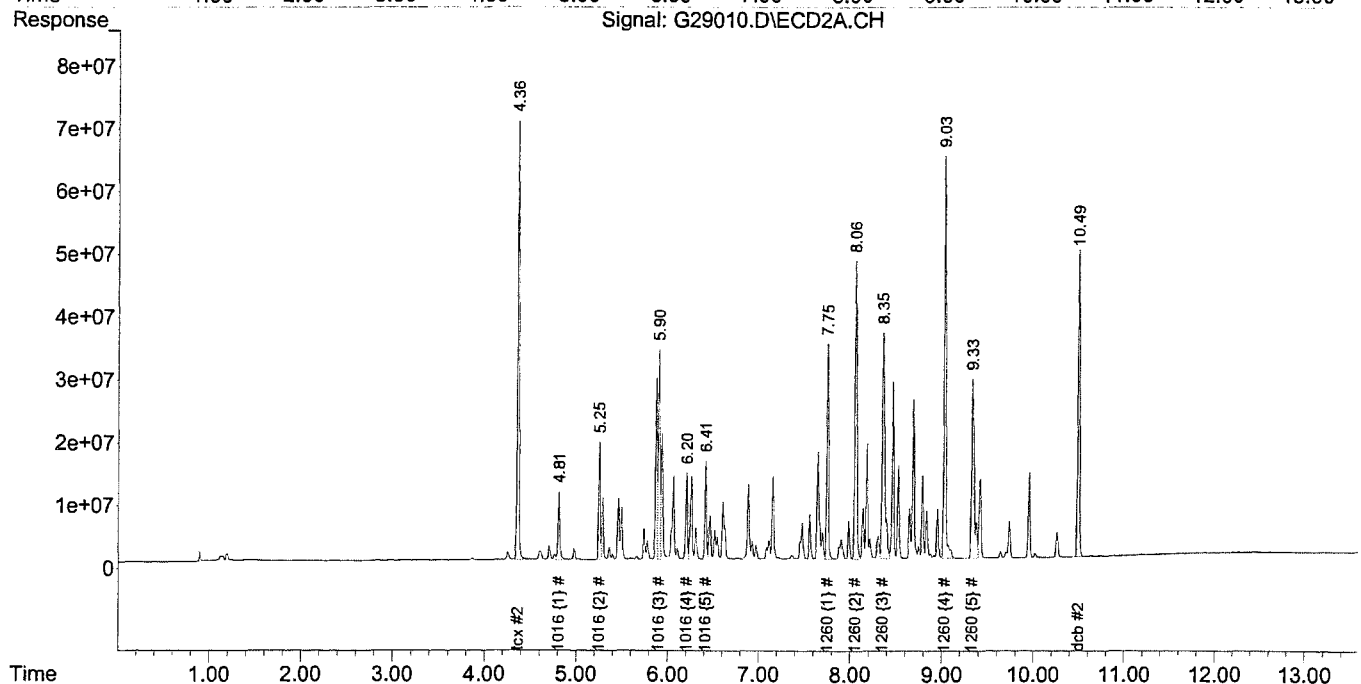
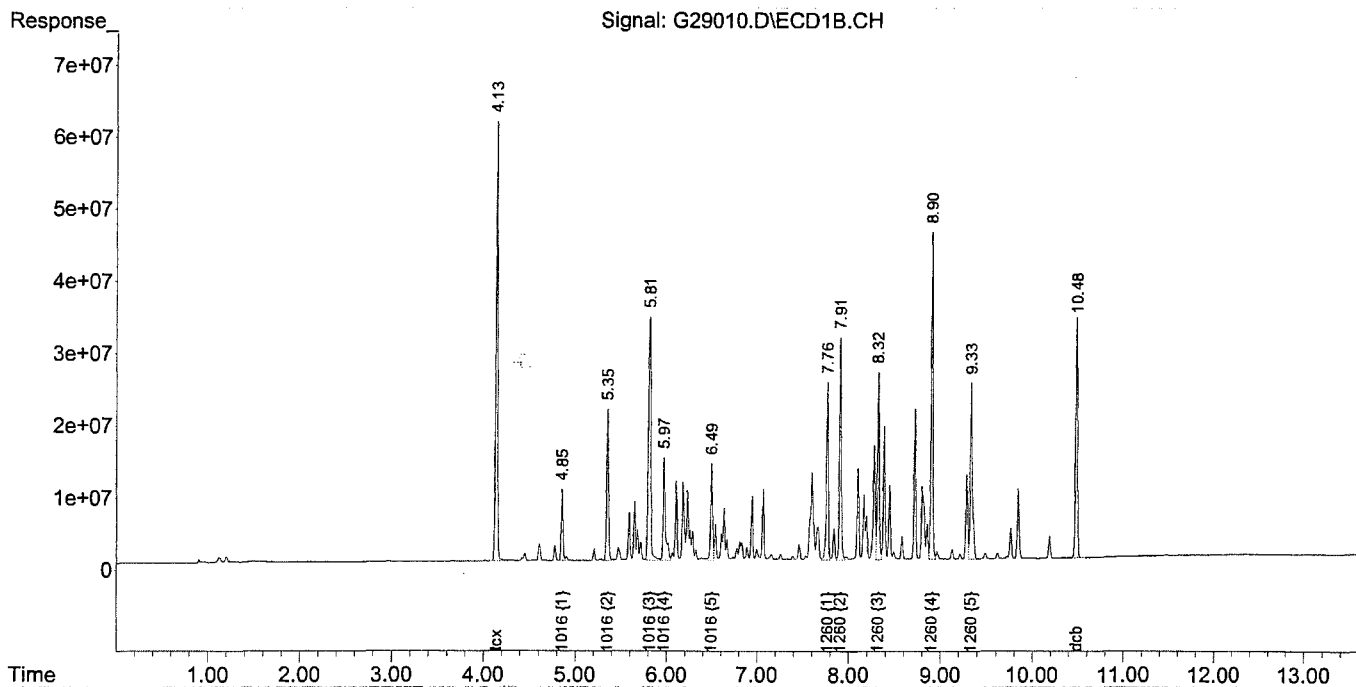
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Review Item	Yes	No	NA
<b>GC</b>			
Are at least 5 standard levels available for each analyte?	<input checked="" type="checkbox"/>		
Are at least 6 standard levels available for each quadratic fit?	<input checked="" type="checkbox"/>		
Is the %RSD for each target compound $\leq 20$ or is $r \geq 0.995$ ( $r^2 \geq 0.990$ for quad)? Note exceptions on back.	<input checked="" type="checkbox"/>		
If using $r$ , is the intercept $<$ than the RL? (Note exceptions on reverse side)	<input checked="" type="checkbox"/>		
Reprocess each calibration standard against the new curve.	<input checked="" type="checkbox"/>		
Does the calculated value fall within $\pm 20\%$ of the true value? (Note exceptions on reverse side)	<input checked="" type="checkbox"/>		
Is an ICAL summary sheet (Form VI or equiv, signed & dated by analyst) present, documenting passing linearity criteria and an accurate calibration file name?	<input checked="" type="checkbox"/>		
Review chromatography. Are the baselines consistently drawn?	<input checked="" type="checkbox"/>		
Is the low standard at or below the reporting limit?	<input checked="" type="checkbox"/>		
Can an RF for a target compound and a surrogate from their ICAL summaries be verified against the RF calculated from the raw data?	<input checked="" type="checkbox"/>		
Are hardcopy printouts of the calibration complete, do they identify all standards/concentrations and do acquisition dates and times occur before and compare favorably with Last Update dates and times?	<input checked="" type="checkbox"/>		
For manually integrated peaks, are before & after hardcopies of the chros included with the data?	<input checked="" type="checkbox"/>		
Were the manual integrations initialed and dated by the analyst?	<input checked="" type="checkbox"/>		
Was a second source standard analyzed after the calibration curve?	<input checked="" type="checkbox"/>		
Did the second source standard pass the 80-120% recovery criteria, allowing for sporadic marginal failures of 70-130% (SMFs generally apply to compound lists with more than 15 analytes, at rate of 1 SMF per 15 analytes)?	<input checked="" type="checkbox"/>		
<b>GC/MS</b>			
Did the instrument pass appropriate tuning criteria (including tailing factor & degradation checks for 625/8270)?	<input checked="" type="checkbox"/>		
Are at least 5 standard levels available for each analyte?			
Are at least 6 standard levels available for each quadratic fit?			
Did the CCCs pass the %RSD criteria of $\leq 30$ ?			
Did the SPCs pass the RF criteria?			
Is the %RSD for each target compound $\leq 15$ or is $r \geq 0.995$ ( $r^2 \geq 0.990$ for quad)? Note exceptions on back.			
If using $r$ , is the intercept $<$ than the RL? (Note exceptions on reverse side)			
Reprocess each calibration standard against the new curve.			
Does the calculated value fall within $\pm 20\%$ of the true value? (Note exceptions on reverse side)			
Is an ICAL summary sheet (Form VI or equiv, signed & dated by analyst) present, documenting passing linearity criteria and an accurate calibration file name?			
Review chromatograph. Are the compounds (especially isomers) properly identified and are the baselines consistently drawn?			
Is the low standard at or below the reporting limit?			
Can an RF for a target compound and a surrogate from their ICAL summaries be verified against the RF calculated from the raw data?			
Are hardcopy printouts of the calibration complete, do they identify all standards/concentrations and do acquisition dates and times occur before and compare favorably with Last Update dates and times?			
For manually integrated peaks, are before & after hardcopies of the chros included with the data?			
Were the manual integrations initialed and dated by the analyst?			
Was a second source standard analyzed after the calibration curve?			
Did the second source standard pass the 75-125% recovery criteria (80-120% required for DOD projects), allowing for sporadic marginal failures of 60-140% (1 SMF per 15 analytes)			

I certify that this instrument calibration meets all the requirements set forth in the appropriate SOPs with the exceptions noted above.

Analyst Signature: [Signature]

Date: 6/23/05

I certify that this instrument calibration has been thoroughly reviewed and meets the requirements set forth in the appropriate SOPs with the exceptions noted above.

Reviewer's Signature: [Signature]

Date: 06/23/05

Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCF2205.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Thu Jun 23 07:02:05 2005  
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	50	5	0	C:\MSDCHEM\2\DATA\062205\F22020.D
2	100	10	0	C:\MSDCHEM\2\DATA\062205\F22021.D
3	200	20	0	C:\MSDCHEM\2\DATA\062205\F22022.D
4	500	50	0	C:\MSDCHEM\2\DATA\062205\F22023.D
5	1500	150	0	C:\MSDCHEM\2\DATA\062205\F22025.D
6	2000	200	0	C:\MSDCHEM\2\DATA\062205\F22026.D
7	1000	100	0	C:\MSDCHEM\2\DATA\062205\F22024.D

#	ID	Update Time	Quant Time	Acquisition Time
1	50	Jun 23 06:56 2005	Jun 23 06:56 2005	22 Jun 2005 16:47
2	100	Jun 23 06:57 2005	Jun 23 06:56 2005	22 Jun 2005 17:05
3	200	Jun 23 06:57 2005	Jun 23 06:57 2005	22 Jun 2005 17:23
4	500	Jun 23 06:57 2005	Jun 23 06:46 2005	22 Jun 2005 17:42
5	1500	Jun 23 06:58 2005	Jun 23 06:46 2005	22 Jun 2005 18:18
6	2000	Jun 23 06:59 2005	Jun 23 06:58 2005	22 Jun 2005 18:36
7	1000	Jun 23 06:58 2005	Jun 23 06:57 2005	22 Jun 2005 18:00

PCF2205.M Thu Jun 23 07:05:52 2005

Calibration Table Report  
Method: PCF2205.M  
Title: Method 8082 - 1016/1260 Initial Calibration  
Last Calibration: Thu Jun 23 07:02:05 2005

Calibration Files

	50	100	200	500	1500	2000	1000		
	F22020.D	F22021.D	F22022.D	F22023.D	F22025.D	F22026.D	F22024.D		
Compound	Avg							%RSD	
tcx	8672175.813	9257430.808	8646965.755	8572935.066	8139174.866	7913778.545	8392343.735	8513540.000	5.062
1016 {1}	306384.630	221288.852	174037.714	143412.885	126909.897	122999.710	131824.252	175265.000	38.475
1016 {2}	831661.435	600215.273	441551.657	363924.539	320548.911	311226.022	332648.848	457397.000	42.348
1016 {3}	1659731.847	1198124.239	901727.447	720216.550	631951.920	616318.566	663860.867	913133.000	42.538
1016 {4}	672094.668	481823.579	373043.617	285959.744	235595.069	228520.444	248152.480	360741.000	45.713
1016 {5}	565221.321	414118.532	298422.942	244718.593	198913.891	192105.634	210818.664	303474.000	45.848
1260 {1}	384886.412	348849.849	383947.485	348338.278	317463.942	310112.032	324714.671	345473.000	8.779
1260 {2}	443188.670	401274.345	433268.930	405904.655	379348.500	369407.350	382203.293	402085.000	6.929
1260 {3}	390332.059	334201.300	351106.564	333183.236	319535.379	311289.661	318681.966	336904.000	8.008
1260 {4}	757348.718	654770.903	693178.675	662651.975	640609.083	621898.731	637923.409	666912.000	6.869
1260 {5}	429677.551	410568.502	418219.712	389012.147	372532.753	362126.776	370869.489	393287.000	6.701
dcb	5425862.935	4592538.980	4954450.908	4681801.906	4483230.902	4365430.636	4496449.854	4714250.000	7.757
Signal #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
tcx #2	10041480.804	10808825.444	10428916.331	10598862.125	9778110.564	9399755.819	10098894.323	10165000.000	4.798
1016 {1} #2	361737.857	290243.893	227282.379	207336.372	168774.559	162852.232	171055.501	227040.000	32.752
1016 {2} #2	661823.780	471119.376	353912.681	305632.407	262171.542	253292.315	269924.312	368268.000	40.736
1016 {3} #2	1187755.180	894981.542	666006.763	548096.863	477370.656	452307.890	495345.744	674552.000	40.528
1016 {4} #2	516825.572	392576.514	314202.009	259167.428	209851.332	203492.347	220363.369	302354.000	38.475
1016 {5} #2	591402.412	435743.238	346973.653	282425.933	230620.187	223557.658	241876.705	336086.000	40.430
1260 {1} #2	530440.634	516534.161	534043.955	533890.630	475927.971	459573.035	482451.882	504695.000	6.200
1260 {2} #2	956880.284	816440.422	878462.830	874166.683	806905.002	775964.363	810077.677	845557.000	7.280
1260 {3} #2	914250.637	797176.392	873868.926	867514.518	817569.886	788078.817	814779.002	839034.000	5.565
1260 {4} #2	1086042.045	920446.482	1056693.903	1040757.852	1003074.841	961446.864	1002717.059	1010170.000	5.627
1260 {5} #2	756296.673	644964.433	731707.587	715632.301	709192.274	685782.169	697551.001	705875.000	5.008
dcb #2	8445283.133	7228842.621	8019811.815	7874488.275	7613618.151	7419363.796	7631295.147	7747530.000	5.230

Thu Jun 23 07:06:11 2005

*avg 6/23/05*



Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCF2205.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Thu Jun 23 07:02:05 2005  
 Response Via : Initial Calibration

## Calibration Files

50 =F22020.D 100 =F22021.D 200 =F22022.D  
 500 =F22023.D 1500 =F22025.D 2000 =F22026.D

Compound			50	100	200	500	1500	2000	Avg	%RSD	
1) s	tcx		8.672	9.257	8.647	8.573	8.139	7.914	8.514	E6	5.06
2) L1	1016 {1}		3.064	2.213	1.740	1.434	1.269	1.230	1.753	E5	38.48
3) L1	1016 {2}		8.317	6.002	4.416	3.639	3.205	3.112	4.574	E5	42.35
4) L1	1016 {3}		1.660	1.198	0.902	0.720	0.632	0.616	0.913	E6	42.54
5) L1	1016 {4}		6.721	4.818	3.730	2.860	2.356	2.285	3.607	E5	45.71
6) L1	1016 {5}		5.652	4.141	2.984	2.447	1.989	1.921	3.035	E5	45.85
7) L2	1260 {1}		3.849	3.488	3.839	3.483	3.175	3.101	3.455	E5	8.78
8) L2	1260 {2}		4.432	4.013	4.333	4.059	3.793	3.694	4.021	E5	6.93
9) L2	1260 {3}		3.903	3.342	3.511	3.332	3.195	3.113	3.369	E5	8.01
10) L2	1260 {4}		7.573	6.548	6.932	6.627	6.406	6.219	6.669	E5	6.87
11) L2	1260 {5}		4.297	4.106	4.182	3.890	3.725	3.621	3.933	E5	6.70
12) s	dcb		5.426	4.593	4.954	4.682	4.483	4.365	4.714	E6	7.76

## Signal #2 Calibration Files

50 =F22020.D 100 =F22021.D 200 =F22022.D  
 500 =F22023.D 1500 =F22025.D 2000 =F22026.D

Compound			50	100	200	500	1500	2000	Avg	%RSD	
1) s	tcx		1.004	1.081	1.043	1.060	0.978	0.940	1.016	E7	4.80
2) L1	1016 {1}		3.617	2.902	2.273	2.073	1.688	1.629	2.270	E5	32.75
3) L1	1016 {2}		6.618	4.711	3.539	3.056	2.622	2.533	3.683	E5	40.74
4) L1	1016 {3}		1.188	0.895	0.666	0.548	0.477	0.452	0.675	E6	40.53
5) L1	1016 {4}		5.168	3.926	3.142	2.592	2.099	2.035	3.024	E5	38.47
6) L1	1016 {5}		5.914	4.357	3.470	2.824	2.306	2.236	3.361	E5	40.43
7) L2	1260 {1}		5.304	5.165	5.340	5.339	4.759	4.596	5.047	E5	6.20
8) L2	1260 {2}		9.569	8.164	8.785	8.742	8.069	7.760	8.456	E5	7.28
9) L2	1260 {3}		9.143	7.972	8.739	8.675	8.176	7.881	8.390	E5	5.56
10) L2	1260 {4}		1.086	0.920	1.057	1.041	1.003	0.961	1.010	E6	5.63
11) L2	1260 {5}		7.563	6.450	7.317	7.156	7.092	6.858	7.059	E5	5.01
12) s	dcb		8.445	7.229	8.020	7.874	7.614	7.419	7.748	E6	5.23

(#) = Out of Range ### Number of calibration levels exceeded format ###

PCF2205.M Thu Jun 23 07:06:01 2005

Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCF2205.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Thu Jun 23 07:02:05 2005  
 Response Via : Initial Calibration

Total Cpnds : 25

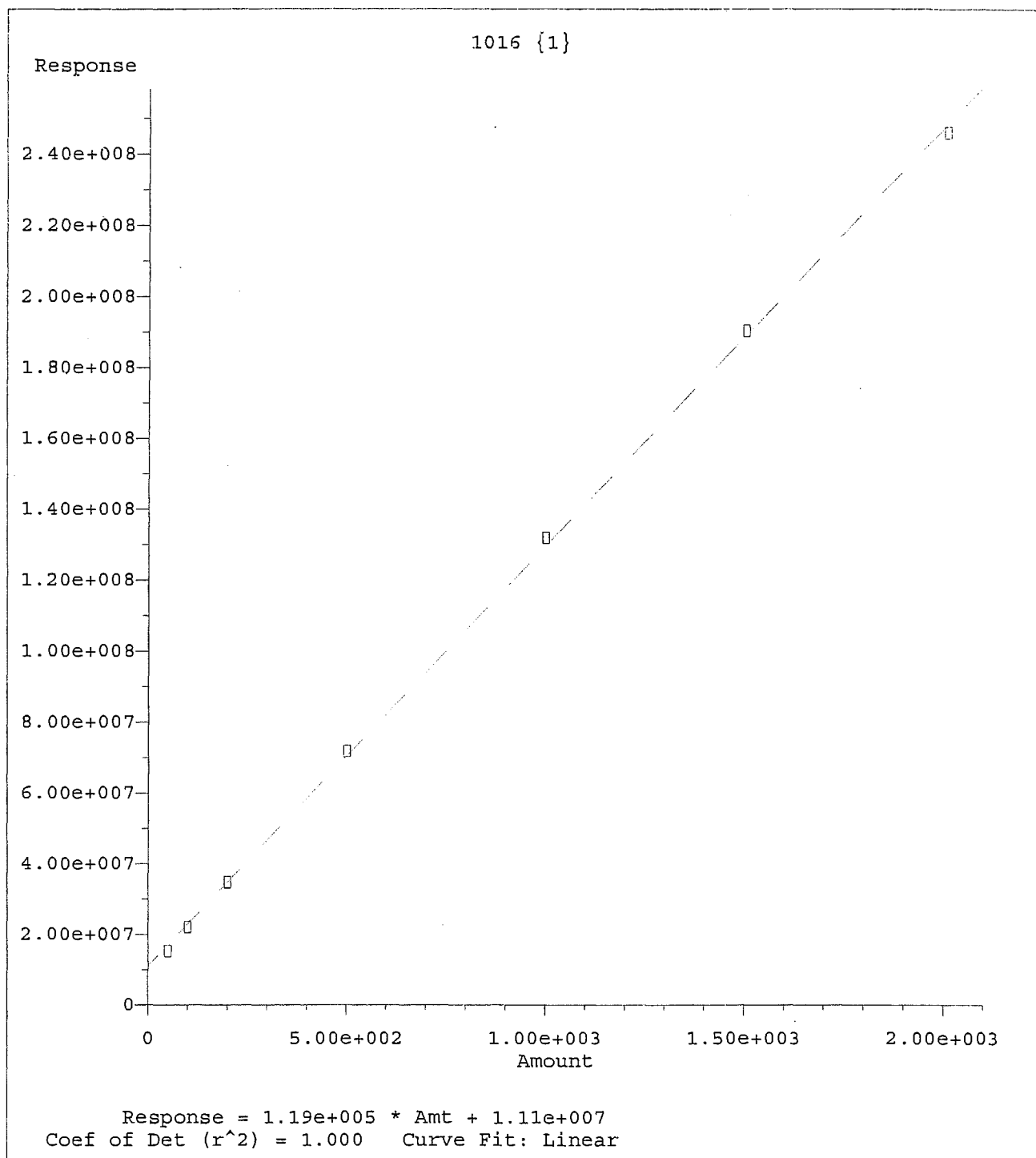
PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1 S	tcx	4.57	1.000	A	A	R
2 L1	1016 {1}	5.30	1.000	L	A	R
3 L1	1016 {2}	5.80	1.000	L	A	R
4 L1	1016 {3}	6.26	1.000	L	A	R
5 L1	1016 {4}	6.42	1.000	L	A	R
6 L1	1016 {5}	6.95	1.000	L	A	R
7 L2	1260 {1}	8.23	1.000	A	A	R
8 L2	1260 {2}	8.36	1.000	A	A	R
9 L2	1260 {3}	8.78	1.000	L	A	R
10 L2	1260 {4}	9.36	1.000	A	A	R
11 L2	1260 {5}	9.80	1.000	A	A	R
12 S	dcb	10.95	1.000	A	A	R
13	Signal #2	15.67	1.000	A	A	R
14 S	tcx #2	4.61	1.000	A	A	R
15 L1	1016 {1} #2	5.06	1.000	L	A	R
16 L1	1016 {2} #2	5.50	1.000	L	A	R
17 L1	1016 {3} #2	6.15	1.000	L	A	R
18 L1	1016 {4} #2	6.45	1.000	L	A	R
19 L1	1016 {5} #2	6.67	1.000	L	A	R
20 L2	1260 {1} #2	8.00	1.000	A	A	R
21 L2	1260 {2} #2	8.31	1.000	A	A	R
22 L2	1260 {3} #2	8.61	1.000	A	A	R
23 L2	1260 {4} #2	9.28	1.000	A	A	R
24 L2	1260 {5} #2	9.58	1.000	A	A	R
25 S	dcb #2	10.75	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

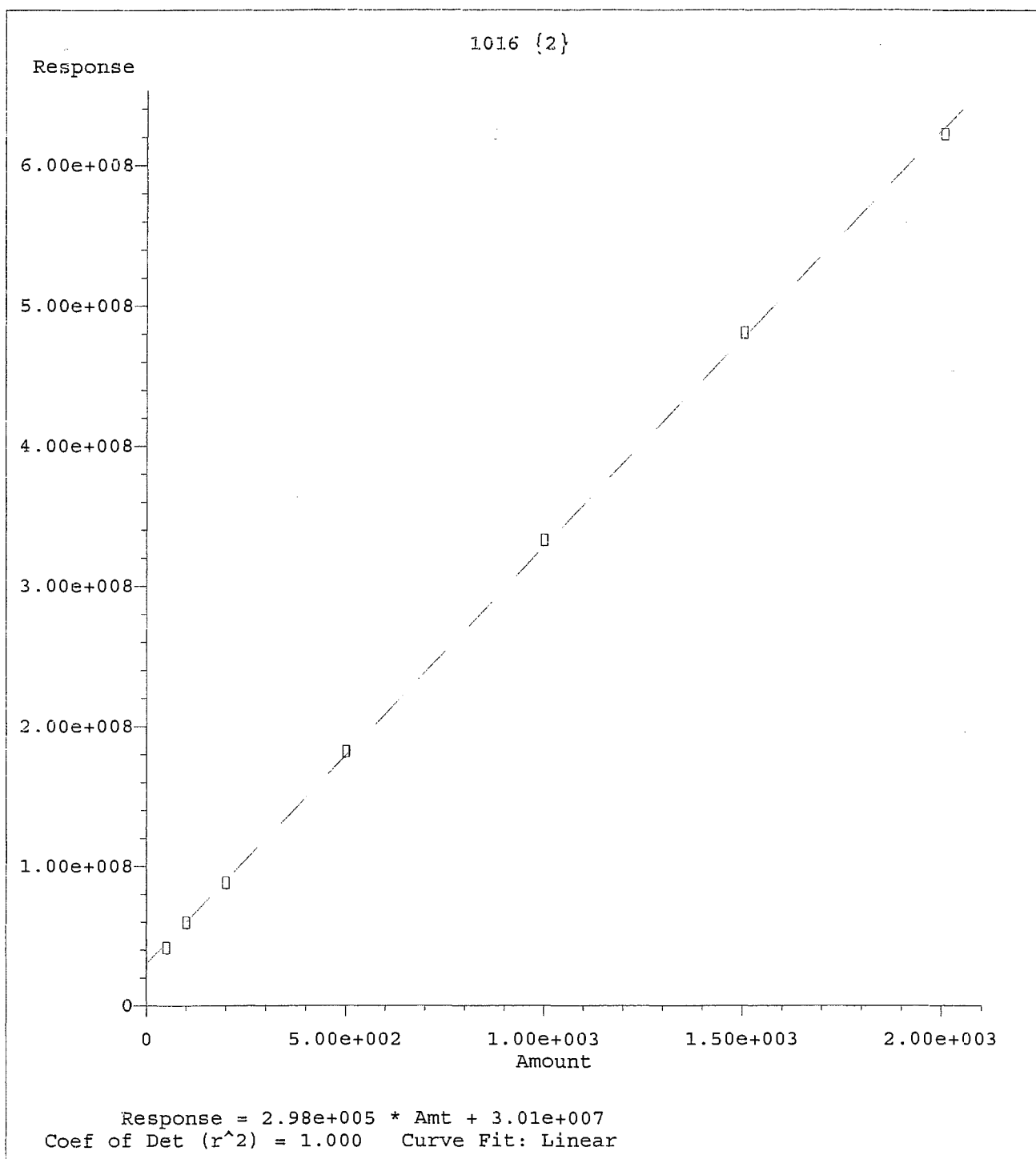
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

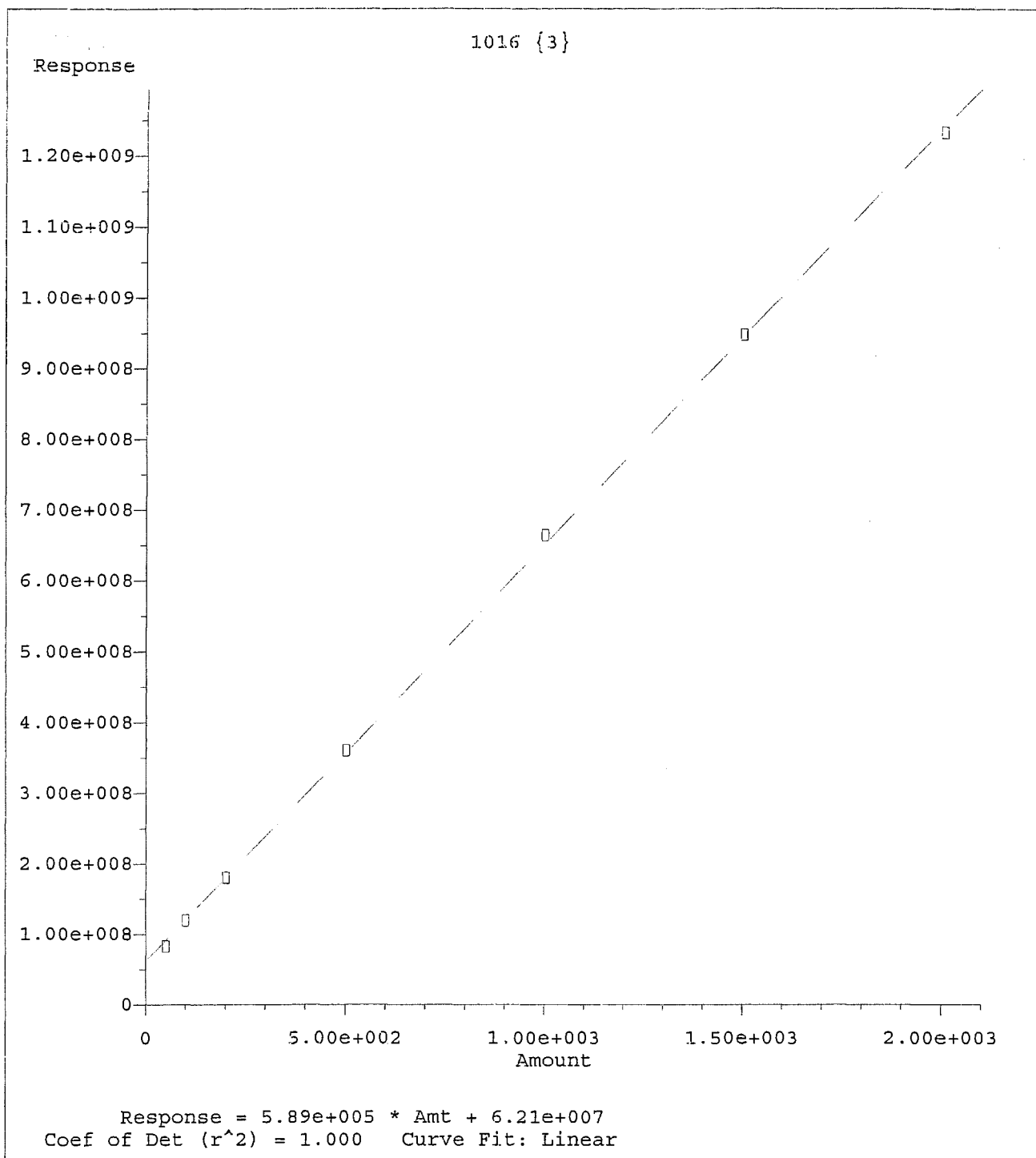
PCF2205.M Thu Jun 23 07:05:42 2005



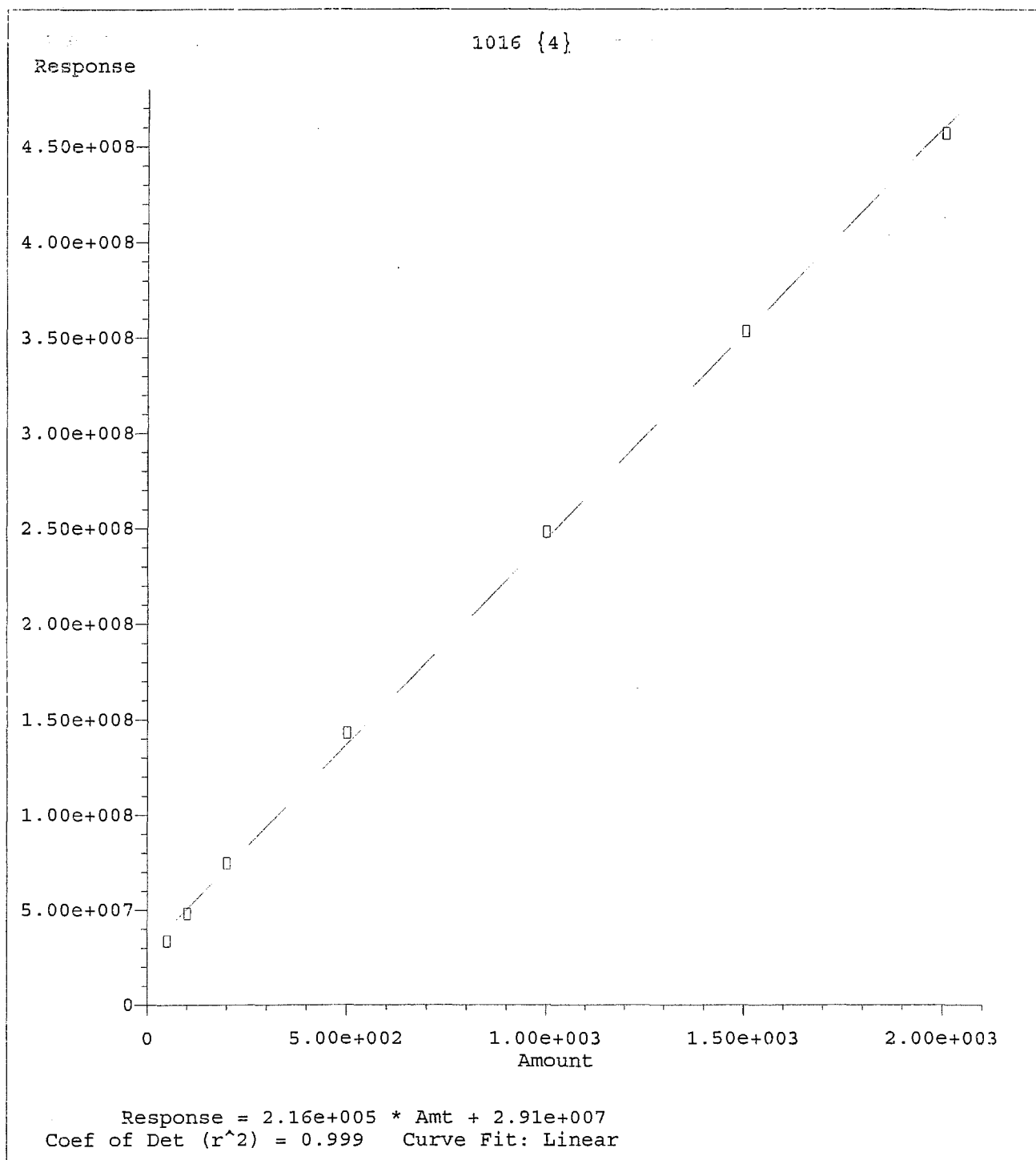
Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



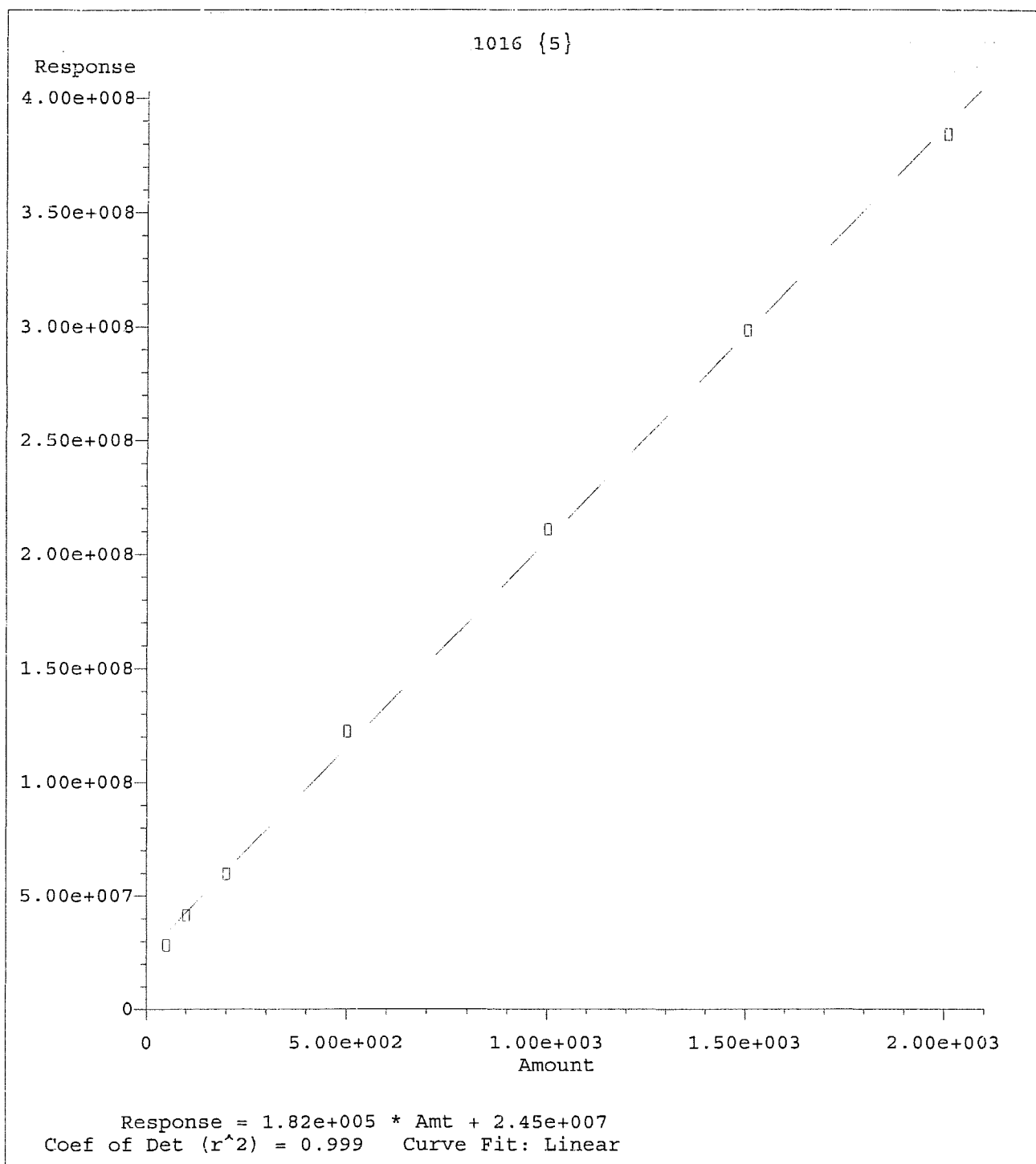
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Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



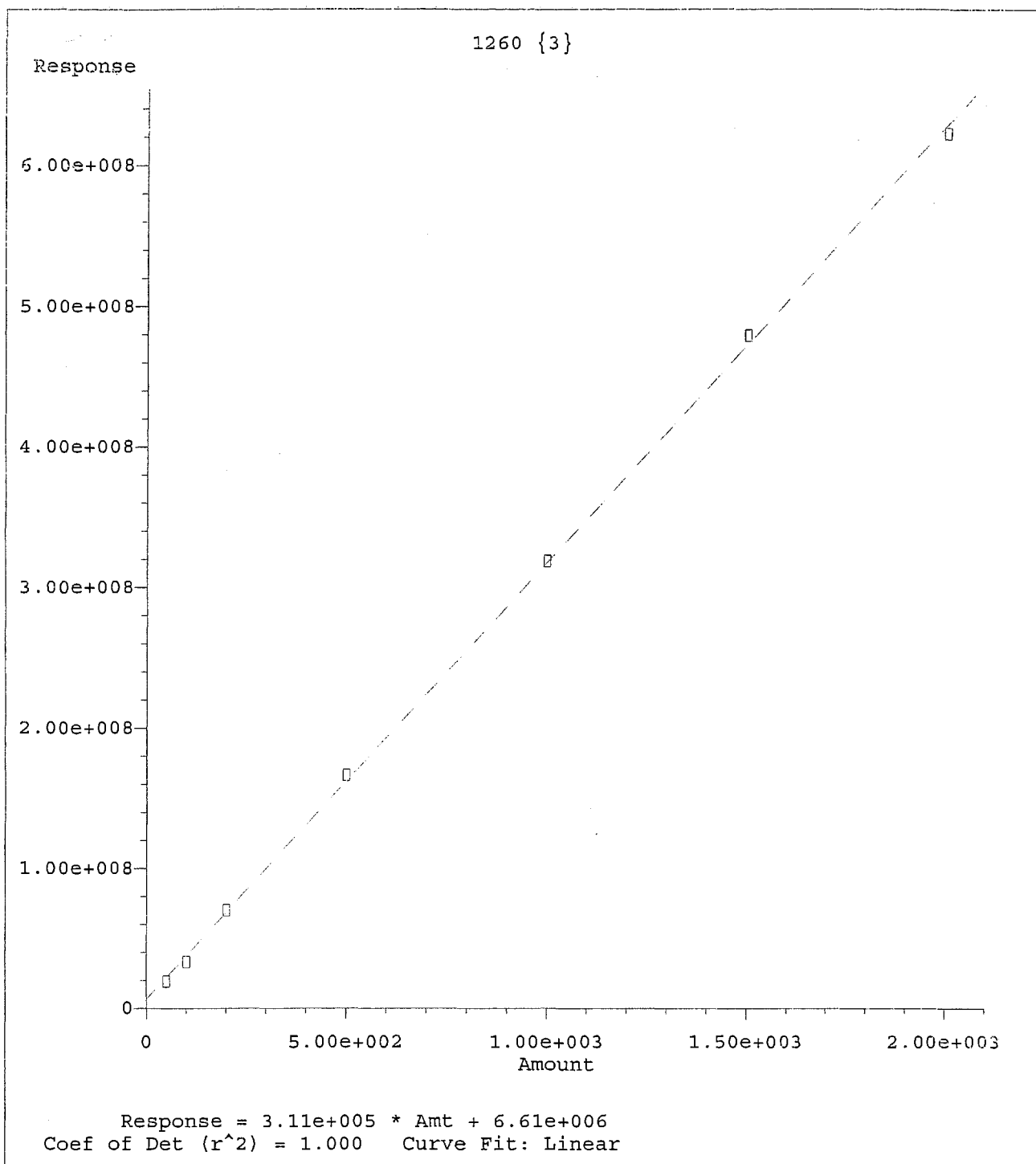
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Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



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Calibration Table Last Updated: Thu Jun 23 07:02:05 2005

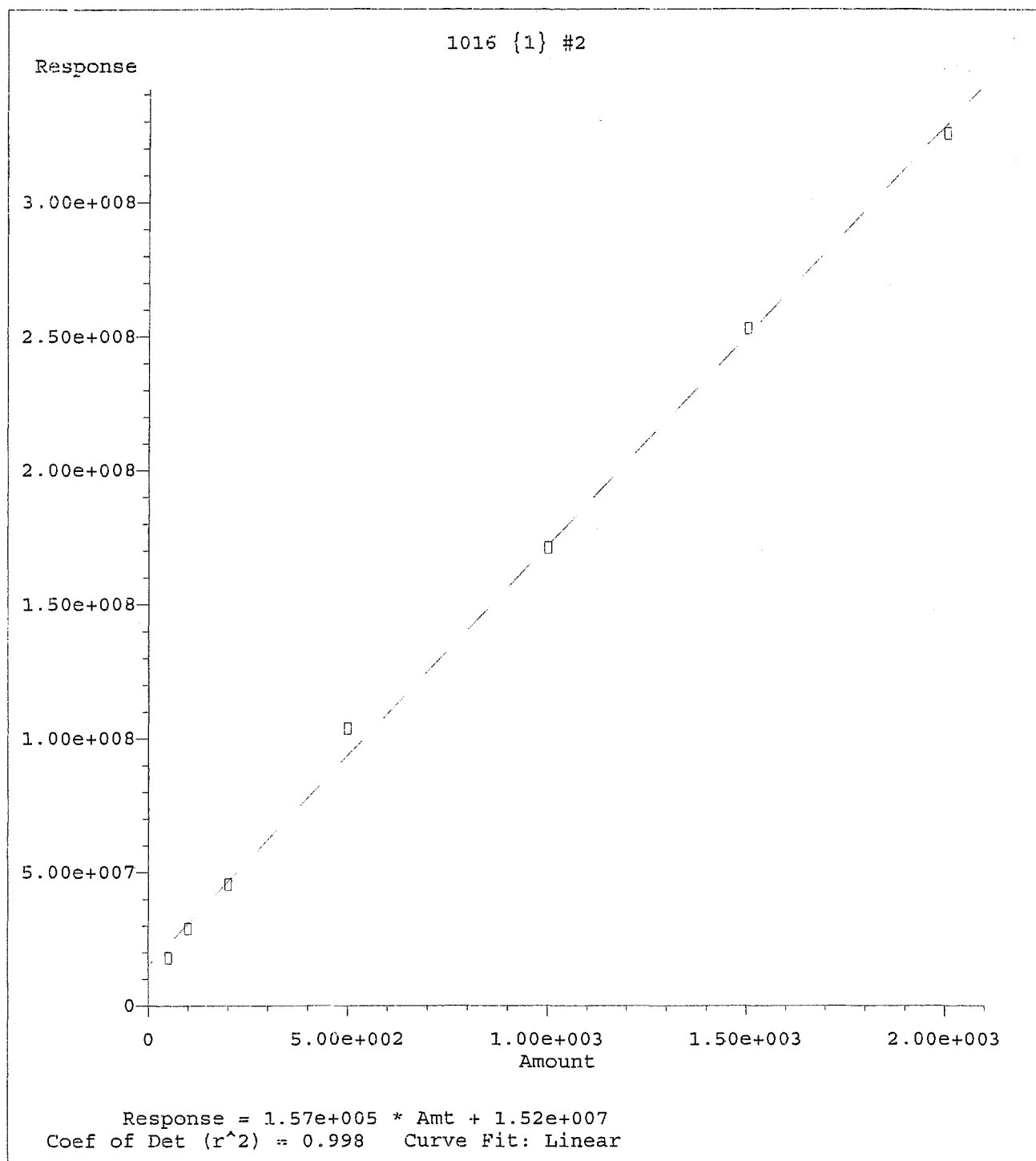


Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005

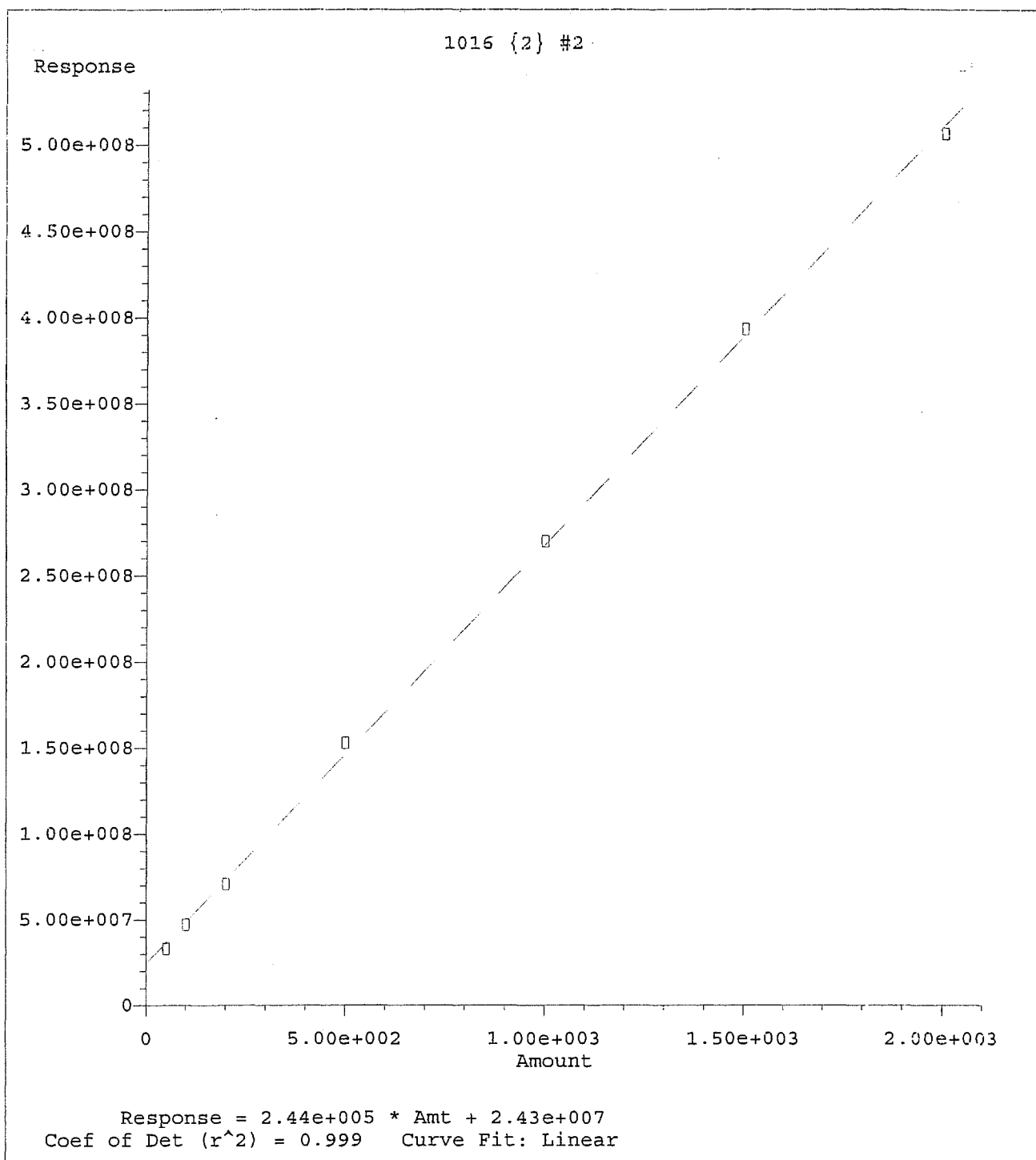


Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005

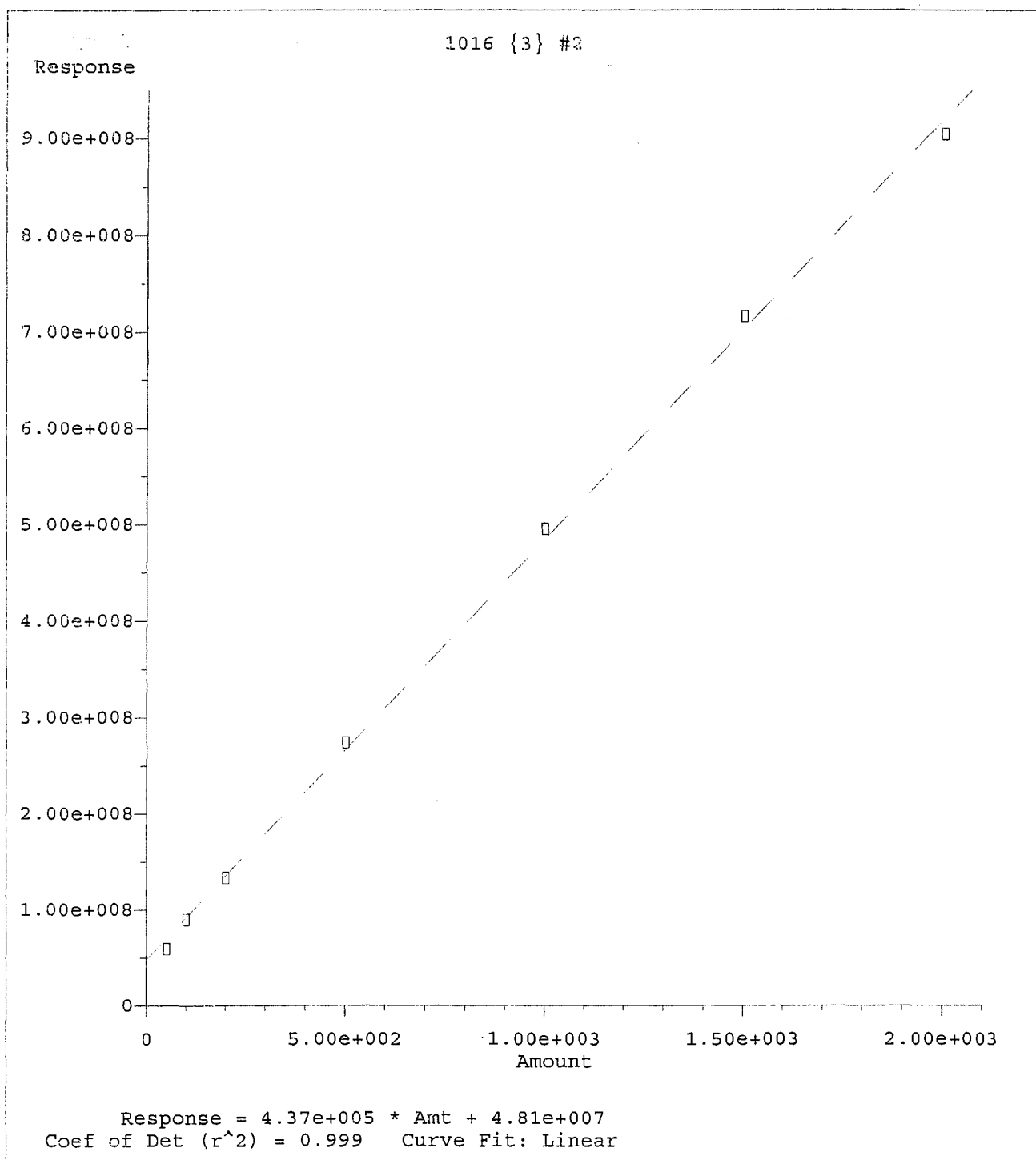




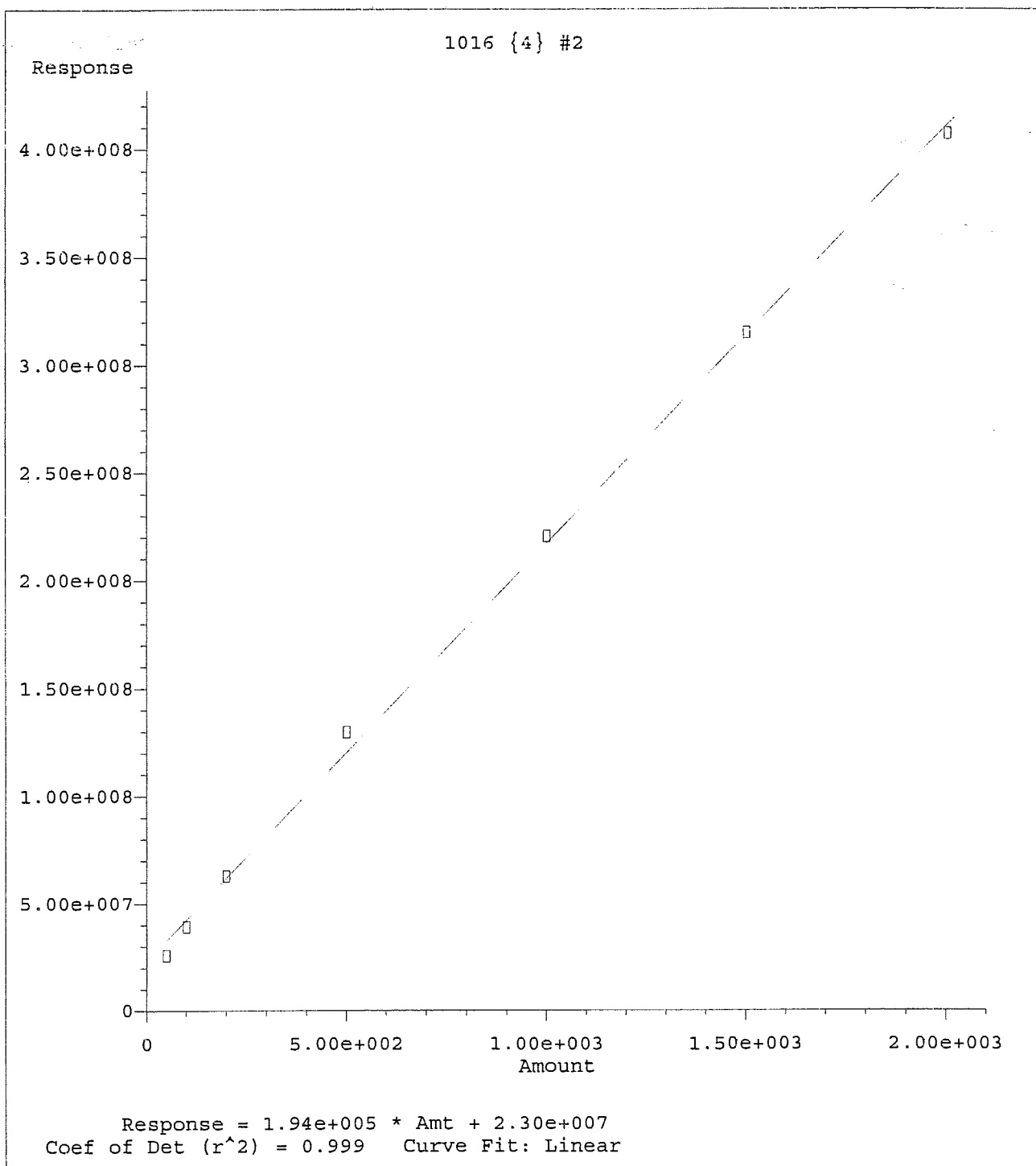
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Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



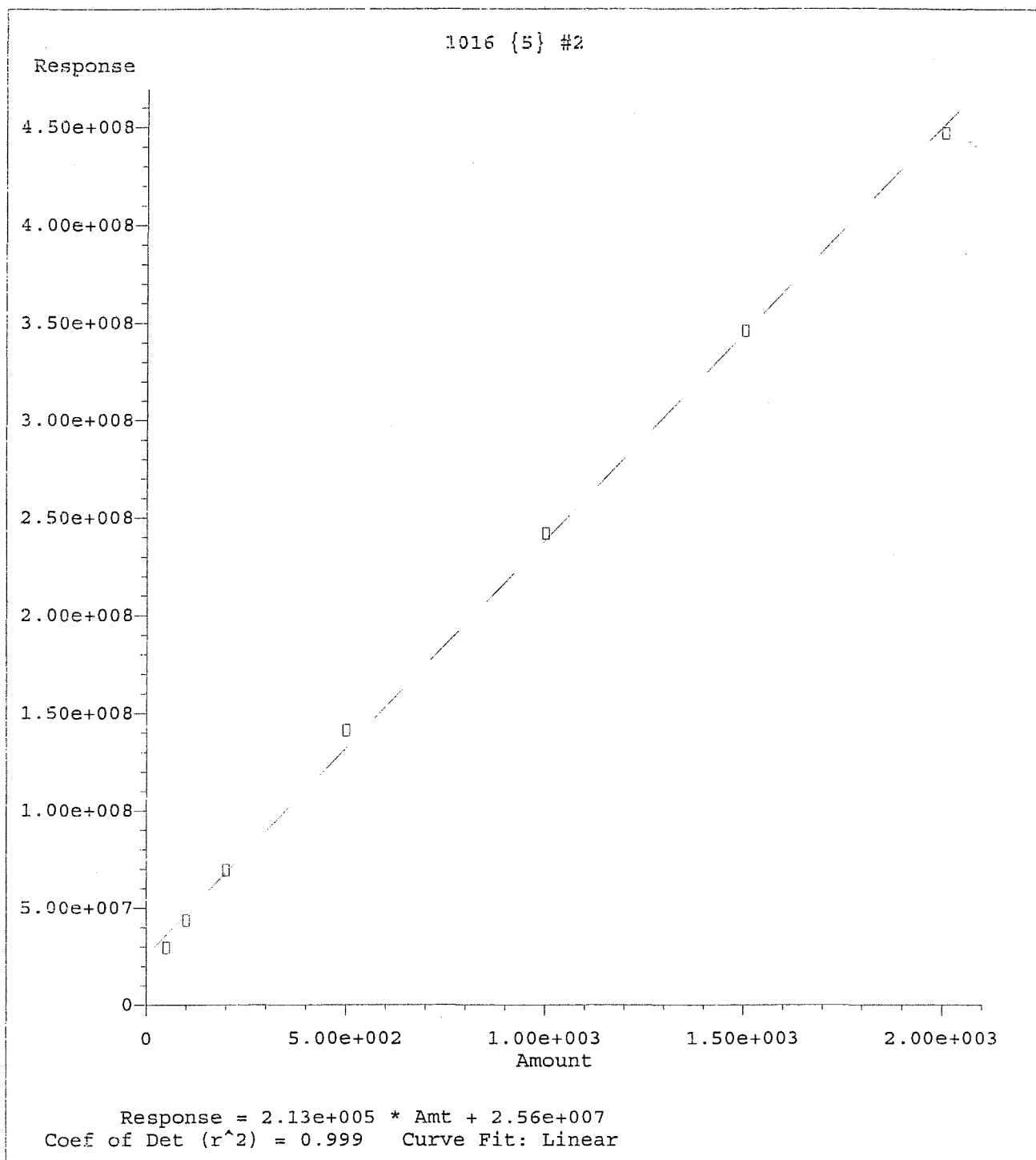
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Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005



Method Name: C:\MSDCHEM\2\METHODS\PCF2205.M  
Calibration Table Last Updated: Thu Jun 23 07:02:05 2005

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	96	F22001.d	0.	5F22008-IBL1	1x	Unrecognized:Un
2	96	F22002.d	0.	5F22008-IBL2	1x	Unrecognized:Un
3	100	F22003.d	0.	5F22008-CCV1	1x 5060008	Unrecognized:Un
4	1	F22004.d	0.	5F21049-BLK2	1x	Unrecognized:Un
5	2	F22005.d	0.	5F21049-BS2	1x	Unrecognized:Un
6	3	F22006.d	0.	5F21049-BSD2	1x	Unrecognized:Un
7	4	F22007.d	0.	5F21049-MS2	1x	Unrecognized:Un
8	5	F22008.d	0.	5F21049-MSD2	1x	Unrecognized:Un
9	6	F22009.d	0.	B5F0446-01	1x	Unrecognized:Un
10	7	F22010.d	0.	B5F0446-02	1x	Unrecognized:Un
11	8	F22011.d	0.	B5F0446-03	1x	Unrecognized:Un
12	100	F22012.d	0.	5F22008-CCV2	1x 5060008	22 Jun 2005 10:17
13	100	F22013.d	0.	5F22008-CCV3	1x 5060008	22 Jun 2005 11:24
14	96	F22014.d	0.	5F22008-IBL3	1x	Unrecognized:Un
15	96	F22015.d	0.	5F22008-IBL4	1x	Unrecognized:Un
16	96	F22016.d	0.	5F22008-IBL5	1x	Unrecognized:Un
17	100	F22017.d	0.	5F22008-CCV4	1x 5060008	Unrecognized:Un
18	100	F22018.d	0.	5F22008-CCV5	1x 5060008	Unrecognized:Un
19	1	F22019.d	0.	5F22008-CAL1	1x 5060004 10ug/L	Unrecognized:Un
20	2	F22020.d	0.	5F22008-CAL2	1x 5060005 50ug/L	Unrecognized:Un
21	3	F22021.d	0.	5F22008-CAL3	1x 5060006 100ug/L	Unrecognized:Un
22	4	F22022.d	0.	5F22008-CAL4	1x 5060007 200ug/L	Unrecognized:Un
23	5	F22023.d	0.	5F22008-CAL5	1x 5060008 500ug/L	Unrecognized:Un
24	6	F22024.d	0.	5F22008-CAL6	1x 5060009 1000ug/L	Unrecognized:Un
25	7	F22025.d	0.	5F22008-CAL7	1x 5060010 1500ug/L	Unrecognized:Un
26	8	F22026.d	0.	5F22008-CAL8	1x 5060011 2000ug/L	Unrecognized:Un
27	9	F22027.d	0.	5F22008-SCV1	1x 4070222 500ug/...	Unrecognized:Un
28	9	F22028.d	0.	5F22008-SCV2	1x 4070222 500ug/...	Unrecognized:Un
29	10	F22029.d	0.	5F22008-CAL9	1x 4110193 1221	Unrecognized:Un
30	11	F22030.d	0.	5F22008-CALA	1x 4110195 1232	Unrecognized:Un
31	12	F22031.d	0.	5F22008-CALB	1x 5010281 1242	Unrecognized:Un
32	13	F22032.d	0.	5F22008-CALC	1x 5010282 1248	Unrecognized:Un
33	14	F22033.d	0.	5F22008-CALD	1x 5010283 1254	Unrecognized:Un
34	15	F22034.d	0.	5F22008-CALE	1x 5010284 1262	Unrecognized:Un
35	16	F22035.d	0.	5F22008-CALF	1x 5010285 1268	Unrecognized:Un
36	5	F22036.d	0.	5F22008-CCV6	1x 5060008	Unrecognized:Un
37	5	F22037.d	0.	5F22008-CCV7	1x 5060008	Unrecognized:Un
38	36	F22038.d	0.	5F21049-BLK2	1x	22 Jun 2005 22:17
39	37	F22039.d	0.	5F21049-BS2	1x	22 Jun 2005 22:35
40	38	F22040.d	0.	5F21049-BSD2	1x	22 Jun 2005 22:54
41	39	F22041.d	0.	5F21049-MS3	5x	22 Jun 2005 23:11
42	40	F22042.d	0.	5F21049-MSD3	5x	22 Jun 2005 23:28
43	41	F22043.d	0.	B5F0446-01RE1	5x	22 Jun 2005 23:47
44	42	F22044.d	0.	B5F0446-02RE1	5x	23 Jun 2005 00:05
45	43	F22045.d	0.	B5F0446-03RE1	5x	23 Jun 2005 00:23
46	44	F22046.d	0.	5F21074-BLK2	1x	23 Jun 2005 00:41
47	45	F22047.d	0.	5F21074-BS2	1x	23 Jun 2005 00:59
48	46	F22048.d	0.	5F21074-BSD2	1x	Unrecognized:Un
49	100	F22049.d	0.	5F22008-CCV8	1x 5060008	Unrecognized:Un
50	100	F22050.d	0.	5F22008-CCV9	1x 5060008	Unrecognized:Un
51	47	F22051.d	0.	5F21074-MS2	1x	Unrecognized:Un
52	48	F22052.d	0.	5F21074-MSD2	1x	Unrecognized:Un
53	49	F22053.d	0.	B5F0307-03	1x	Unrecognized:Un
54	50	F22054.d	0.	B5F0308-08	1x	Unrecognized:Un
55	51	F22055.d	0.	B5F0349-02	1x	Unrecognized:Un

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	52	F22056.d	0.	B5F0349-13	1x	Unrecognized:Un
57	53	F22057.d	0.	B5F0349-16	1x	Unrecognized:Un
58	54	F22058.d	0.	B5F0349-25	1x	Unrecognized:Un
59	55	F22059.d	0.	B5F0414-01	1x	Unrecognized:Un
60	56	F22060.d	0.	B5F0414-02	1x	Unrecognized:Un
61	100	F22061.d	0.	5F22008-CCVA	1x 5060008	Unrecognized:Un
62	100	F22062.d	0.	5F22008-CCVB	1x 5060008	Unrecognized:Un
63	57	F22063.d	0.	B5F0414-03	1x	Unrecognized:Un
64	58	F22064.d	0.	B5F0414-04	1x	Unrecognized:Un
65	59	F22065.d	0.	B5F0414-05	1x	Unrecognized:Un
66	60	F22066.d	0.	5F13065-BLK1	1x	Unrecognized:Un
67	61	F22067.d	0.	5F13065-BS1	1x	Unrecognized:Un
68	62	F22068.d	0.	5F13065-BSD1	1x	Unrecognized:Un

still running...

run 6.23.05

## PREPARATION BENCH SHEET

5G27046

North Creek Analytical - Bothell

Printed: 7/27/2005 12:56:46PM

Matrix: Soil

Prepared using: Extractions - Dry Weight

(No Surrogate)

Lab Number	Analysis	Prepared	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial	Final Vol	Final Spike	Extraction Comments
5G27046-BLK1	QC	07/27/05 12:54	5	5					5	5	SP	
B5G0376-23	Dry Weight	07/27/05 12:54	5	5								
B5G0376-24	Dry Weight	07/27/05 12:54	5	5								
B5G0377-01	Dry Weight	07/27/05 12:54	5	5								
B5G0377-02	Dry Weight	07/27/05 12:54	5	5								
B5G0377-03	Dry Weight	07/27/05 12:54	5	5								
B5G0377-04	Dry Weight	07/27/05 12:54	5	5								
B5G0377-05	Dry Weight	07/27/05 12:54	5	5								
B5G0377-06	Dry Weight	07/27/05 12:54	5	5								
B5G0377-07	Dry Weight	07/27/05 12:54	5	5								
B5G0516-01	Dry Weight	07/27/05 12:54	5	5								
B5G0516-02	Dry Weight	07/27/05 12:54	5	5								
B5G0517-01	Dry Weight	07/27/05 12:54	5	5								
B5G0531-01	Dry Weight	07/27/05 12:54	5	5								
B5G0539-01	Dry Weight	07/27/05 12:54	5	5								
B5G0539-02	Dry Weight	07/27/05 12:54	5	5								
B5G0539-03	Dry Weight	07/27/05 12:54	5	5								
B5G0539-04	Dry Weight	07/27/05 12:54	5	5								
B5G0543-01	Dry Weight	07/27/05 12:54	5	5								
B5G0543-02	Dry Weight	07/27/05 12:54	5	5								
B5G0543-03	Dry Weight	07/27/05 12:54	5	5								

  
 Spiking Witness By

 7/28/05  
 Date

Preparation Reviewed By

Date

Extracts Received By

Date



# PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 8/4/2005 10:08:35AM

Matrix: Soil Prepared using: Extractions - EPA 3550B Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial	Vol	Spike	Extraction Comments
5G27062-BLK1	QC	07/27/05 14:32	30	5				100				
5G27062-BLK2	QC	07/27/05 14:32	30	5				100				PCB BLK1
5G27062-BS1	QC	07/27/05 14:32	30	5	5060221		100	100				
5G27062-BS2	QC	07/27/05 14:32	30	5	5020219		1000	100				
5G27062-BSD1	QC	07/27/05 14:32	30	5	5060221		100	100				
5G27062-BSD2	QC	07/27/05 14:32	30	5	5020219		1000	100				
5G27062-MS1	QC	07/27/05 14:32	30.1	5	5060221	B5G0478-03	100	100				some organic material; faint chemical o
5G27062-MS2	QC	07/27/05 14:32	30.4	5	5020219	B5G0492-03	1000	100				moist
5G27062-MS3	QC	07/27/05 14:32	30.1	5	5060221	B5G0478-03	100	100				MS/MSD1 dilutions
5G27062-MSD1	QC	07/27/05 14:32	30.4	5	5060221	B5G0478-03	100	100				some organic material; faint chemical o
5G27062-MSD2	QC	07/27/05 14:32	29.7	5	5020219	B5G0492-03	1000	100				moist
5G27062-MSD3	QC	07/27/05 14:32	30.4	5	5060221	B5G0478-03	100	100				MS/MSD1 dilutions
B5G0392-01	8081A Pesticides	07/27/05 14:32	30	5				100				many rocks & organic material
B5G0392-01: limited sample												
B5G0392-01RE	8081A Pesticides	07/27/05 14:32	30	5				100				Added 8/2/2005 by EAG
B5G0392-01RE1: Added 8/2/2005 by EAG												
B5G0392-02	8081A Pesticides	07/27/05 14:32	30.5	5				100				lots of rocks
B5G0392-02: limited sample												
B5G0392-02RE	8081A Pesticides	07/27/05 14:32	30.5	5				100				Added 8/2/2005 by EAG
B5G0392-02RE1: Added 8/2/2005 by EAG												
B5G0392-03	8081A Pesticides	07/27/05 14:32	29.7	5				100				wet; many large rocks
B5G0392-03: limited sample												
B5G0392-03RE	8081A Pesticides	07/27/05 14:32	29.7	5				100				Added 8/2/2005 by EAG
B5G0392-03RE1: Added 8/2/2005 by EAG												

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Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

## PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 8/4/2005 10:08:35AM

Matrix: Soil Prepared using: Extractions - EPA 3550B Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Vol	Spike	Extraction Comments
B5G0392-04	8081A Pesticides	07/27/05 14:32	30	5				100			wet
<b>B5G0392-04: limited sample</b>											
B5G0392-04RE	8081A Pesticides	07/27/05 14:32	30	5				100			Added 8/2/2005 by EAG
<b>B5G0392-04RE1: Added 8/2/2005 by EAG</b>											
B5G0392-05	8081A Pesticides	07/27/05 14:32	30.3	5				100			many large rocks
<b>B5G0392-05: limited sample</b>											
B5G0392-05RE	8081A Pesticides	07/27/05 14:32	30.3	5				100			Added 8/2/2005 by EAG
<b>B5G0392-05RE1: Added 8/2/2005 by EAG</b>											
B5G0392-06	8081A Pesticides	07/27/05 14:32	30.5	5				100			many large rocks
<b>B5G0392-06: limited sample</b>											
B5G0392-06RE	8081A Pesticides	07/27/05 14:32	30.5	5				100			Added 8/2/2005 by EAG
<b>B5G0392-06RE1: Added 8/2/2005 by EAG</b>											
B5G0478-03	8081A COE-AK	07/27/05 14:32	30.1	5				100			some organic material; faint chemical o
<b>B5G0478-03: MDL rpt; upload by sequence; USACE-AK CLs</b>											
B5G0478-03	8081A Pesticides	07/27/05 14:32	30.1	5				100			Added for BatchQC in: 5G27062
<b>B5G0478-03: BatchQC</b>											
B5G0478-03	8082 COE-AK	07/27/05 14:32	30.1	5				100			Added for BatchQC in: 5G27062
<b>B5G0478-03: BatchQC</b>											
B5G0478-03	8082 PCB Only	07/27/05 14:32	30.1	5				100			Added for BatchQC in: 5G27062
<b>B5G0478-03: BatchQC</b>											
B5G0478-03RE	8081A COE-AK	07/27/05 14:32	30.1	5				100			Added 8/2/2005 by EAG
<b>B5G0478-03RE1: Added 8/2/2005 by EAG</b>											
B5G0492-01	8082 PCB Only	07/27/05 14:32	30.4	5				100			wet; some organic material
B5G0492-02	8082 PCB Only	07/27/05 14:32	29.5	5				100			moist
B5G0492-03	8081A COE-AK	07/27/05 14:32	29.7	5				100			Added for BatchQC in: 5G27062

Spiking Witnessed By \_\_\_\_\_ Date \_\_\_\_\_

Preparation Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Extracts Received By \_\_\_\_\_ Date \_\_\_\_\_

## PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 8/4/2005 10:08:35AM

Matrix: Soil Prepared using: Extractions - EPA 3550B Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Vol	Spike	Extraction Comments
<b>B5G0492-03: BatchQC</b>											
B5G0492-03	8081A Pesticides	07/27/05 14:32	29.7	5				100			Added for BatchQC in: 5G27062
<b>B5G0492-03: BatchQC</b>											
B5G0492-03	8082 COE-AK	07/27/05 14:32	29.7	5				100			Added for BatchQC in: 5G27062
<b>B5G0492-03: BatchQC</b>											
B5G0492-03	8082 PCB Only	07/27/05 14:32	29.7	5				100			moist
B5G0492-04	8082 PCB Only	07/27/05 14:32	29.9	5				100			wet
B5G0492-04RE	8082 PCB Only	07/27/05 14:32	29.9	5				100			Added 7/29/2005 by EAG
<b>B5G0492-04RE1: Added 7/29/2005 by EAG</b>											
B5G0492-05	8082 PCB Only	07/27/05 14:32	30.4	5				100			lots of organic material; worms; moist
B5G0492-06	8082 PCB Only	07/27/05 14:32	15.3	5				100			Matrix is Joint Compound; looks like d
<b>B5G0492-06: Matrix is Joint Compound</b>											
B5G0492-07	8082 PCB Only	07/27/05 14:32	30.2	5				100			Matrix is Joint Compound; chunks of d
<b>B5G0492-07: Matrix is Joint Compound</b>											
B5G0492-08	8082 PCB Only	07/27/05 14:32	15.2	5				100			Matrix is Joint Compound; looks like d
<b>B5G0492-08: Matrix is Joint Compound</b>											
B5G0492-08RE	8082 PCB Only	07/27/05 14:32	15.2	5				100			Added 7/29/2005 by EAG
<b>B5G0492-08RE1: Added 7/29/2005 by EAG</b>											
B5G0543-01	8082 COE-AK	07/27/05 14:32	29.7	5				100			sand & rocks
<b>B5G0543-01: MDL rpt; upload by sequence; USACE-AK CLs</b>											
B5G0543-02	8082 COE-AK	07/27/05 14:32	30.4	5				100			sand & rocks
<b>B5G0543-02: MDL rpt; upload by sequence; USACE-AK CLs</b>											
B5G0543-03	8082 COE-AK	07/27/05 14:32	30.2	5				100			sand & rocks
<b>B5G0543-03: MDL rpt; upload by sequence; USACE-AK CLs</b>											
B5G0543-03RE	8082 COE-AK	07/27/05 14:32	30.2	5				100			Added 7/29/2005 by EAG

Spiking Witnessed By \_\_\_\_\_ Date \_\_\_\_\_

Preparation Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Extracts Received By \_\_\_\_\_ Date \_\_\_\_\_

# PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 8/4/2005 10:08:35AM

Matrix: Soil Prepared using: Extractions - EPA 3550B Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial Vol	Spike	Extraction Comments
B5G0543-03RE1: Added 7/29/2005 by EAG											
start: 07/27/05 finish: 07/27/05 1:1MeCl2:Acetone: 072705 Hydromatrix: 04905 Hexane: 050139 Na2SO4: 072305 sonicators tuned Florisil: EA51175C cleaned by: LDLon: 07/28/05 viald by: LDL on: 07/28/05											

Spiking Witnessed By \_\_\_\_\_ Date \_\_\_\_\_

Preparation Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Extracts Received By \_\_\_\_\_ Date \_\_\_\_\_

## PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 7/27/05 2:49:35PM

Matrix: Soil

Prepared using: Extractions - EPA 3550B

Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial Vol	Spike	Extraction Comments
5G27062-BLK1	QC	07/27/05 14:32	30	5				100	88	100	
5G27062-BS1	QC	07/27/05 14:32	30	5	5060221		100	100			
5G27062-BS2	QC	07/27/05 14:32	30	5	5020219		1000	100			
5G27062-BSD1	QC	07/27/05 14:32	30	5	5060221		100	100			
5G27062-BSD2	QC	07/27/05 14:32	30	5	5020219		1000	100			
5G27062-MS1	QC	07/27/05 14:32	30.1	5	5060221	478-03	100	100			SOME ORGANIC MATERIAL; FAINT CHEMICAL ODOR
5G27062-MS2	QC	07/27/05 14:32	30.4	5	5020219	492-03	1000	100			
5G27062-MSD1	QC	07/27/05 14:32	30.4	5	5060221	478-03	100	100			SOME ORGANIC MATERIAL; FAINT CHEMICAL ODOR
5G27062-MSD2	QC	07/27/05 14:32	29.7	5	5020219	492-03	1000	100			
B5G0392-01	8081A Pesticides	07/27/05 14:32	30.0	5				100			MANY ROCKS & ORGANIC MATERIAL limited sample
B5G0392-01: limited sample											
B5G0392-02	8081A Pesticides	07/27/05 14:32	30.5	5				100			limited sample LOTS OF ROCKS
B5G0392-02: limited sample											
B5G0392-03	8081A Pesticides	07/27/05 14:32	29.7	5				100			WET; MANY LARGE ROCKS limited sample
B5G0392-03: limited sample											
B5G0392-04	8081A Pesticides	07/27/05 14:32	30.0	5				100			limited sample WET
B5G0392-04: limited sample											
B5G0392-05	8081A Pesticides	07/27/05 14:32	30.3	5				100			limited sample MANY LARGE ROCKS
B5G0392-05: limited sample											
B5G0392-06	8081A Pesticides	07/27/05 14:32	30.5	5				100			limited sample ↓
B5G0392-06: limited sample											
B5G0478-03	8081A COE-AK	07/27/05 14:32	30.1	5				100			SOME ORGANIC MATERIAL MDL rpt; upload by sequence; USACE FAINT CHEMICAL ODOR
B5G0478-03: MDL rpt; upload by sequence; USACE-AK CLs											
B5G0492-01	8082 PCB Only	07/27/05 14:32	30.4	5				100			WET; SOME ORGANIC MATERIAL

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Spiking Witness: JCB

Date: 07/27/05

Preparation Reviewed By

Date

Extracts Received By

Date

## PREPARATION BENCH SHEET

5G27062

North Creek Analytical - Bothell

Printed: 7/27/05 2:49:35PM

Matrix: Soil

Prepared using: Extractions - EPA 3550B

Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial	Vol	Spike	Extraction Comments
B5G0492-02	8082 PCB Only	07/27/05 14:32	29.5/30	5				100	28	28	JCB	moist
B5G0492-03	8082 PCB Only	07/27/05 14:32	29.7/30	5				100				↓
B5G0492-04	8082 PCB Only	07/27/05 14:32	29.9/30	5				100				WET
B5G0492-05	8082 PCB Only	07/27/05 14:32	30.4	5				100				LOTS OF ORGANIC MATTER; WGRMS; moist
B5G0492-06	8082 PCB Only	07/27/05 14:32	15.3/30	5				100				LOOKS LIKE DRY TAC Matrix is Joint Compound
B5G0492-06: Matrix is Joint Compound												
B5G0492-07	8082 PCB Only	07/27/05 14:32	30.2	5				100				CHUNKS OF DRY TAC MIXED Matrix is Joint Compound
B5G0492-07: Matrix is Joint Compound												
B5G0492-08	8082 PCB Only	07/27/05 14:32	15.2/30	5				100				LOOKS LIKE DRY TAC Matrix is Joint Compound
B5G0492-08: Matrix is Joint Compound												
B5G0543-01	8082 COE-AK	07/27/05 14:32	29.7/30	5				100				SAND & ROCKS MDL rpt; upload by sequence; USACE
B5G0543-01: MDL rpt; upload by sequence; USACE-AK CLs												
B5G0543-02	8082 COE-AK	07/27/05 14:32	30.4	5				100				MDL rpt; upload by sequence; USACE
B5G0543-02: MDL rpt; upload by sequence; USACE-AK CLs												
B5G0543-03	8082 COE-AK	07/27/05 14:32	30.2	5				100				MDL rpt; upload by sequence; USACE

B5G0543-03: MDL rpt; upload by sequence; USACE-AK CLs

start: 07/27/05 finish: 07/27/05 1:1MeCl2:Acetone: Hydromatrix: 04905/050139 Hexane: Na2SO4: 072305 sonicators tuned

Florinip:

EAS1175C

cleaned by: H on: 07/28/05

Vialled by: H on: 07/28/05

Spiking Witness: By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

B5G0543

## North Creek Analytical - Bothell

Client: USACE - Alaska  
 Project: Northeast Cape White Alice BDDR Removal

Project Manager: Kate Haney  
 Project Number: 04-036

Report To:

USACE - Alaska  
 Julie Sharp-Dahl  
 PO Box 6898, Building 2212 Third Street  
 Elmendorf AFB, AK/USA 99506-6898  
 Phone: (907) 753-5689  
 Fax: 907-753-2636

Invoice To:

USACE - Alaska  
 Julie Sharp-Dahl  
 PO Box 6898, Building 2212 Third Street  
 Elmendorf AFB, AK/USA 99506-6898  
 Phone : (907) 753-5689  
 Fax: 907-753-2636

Date Due: 08/12/05 17:00 (13 day TAT)

Received By: Cathy Gamble

Logged In By: Tom Blankinship

Date Received: 07/26/05 09:25

Date Logged In: 07/26/05 13:56

Samples Received at 2°C  
 Custody Seals Pres Yes Received On Ice Yes  
 Containers Intact Yes  
 COC/Labels Agree Yes  
 Preservation Confin No

Analysis	Due	TAT	Expires	Comments
<b>B5G0543-01 05NEC31SLSL084 [Soil] Sampled 07/19/05 08:00 Alaskan</b>				
8082 COE-AK	08/01/05 17:00	5	08/02/05 09:00	MDL rpt; upload by sequence; USACE-AK CLS
Data Pkg-Organics	08/01/05 17:00	5	01/15/06 09:00	
Dry Weight	08/01/05 17:00	5	08/16/05 09:00	
<b>B5G0543-02 05NEC31SLSL096 [Soil] Sampled 07/19/05 11:05 Alaskan</b>				
8082 COE-AK	08/01/05 17:00	5	08/02/05 12:05	MDL rpt; upload by sequence; USACE-AK CLS
Data Pkg-Organics	08/01/05 17:00	5	01/15/06 12:05	
Dry Weight	08/01/05 17:00	5	08/16/05 12:05	
<b>B5G0543-03 05NEC31SLSL108 [Soil] Sampled 07/19/05 11:55 Alaskan</b>				
8082 COE-AK	08/01/05 17:00	5	08/02/05 12:55	MDL rpt; upload by sequence; USACE-AK CLS
Data Pkg-Organics	08/01/05 17:00	5	01/15/06 12:55	
Dry Weight	08/01/05 17:00	5	08/16/05 12:55	

# NORTH CREEK ANALYTICAL SAMPLE RECEIPT FORM

Client: Army Corps (Army Corp. compliant) COC # NEC-05

1. Please sign for receipt and opening of: ☒ Cooler ☐ Other: \_\_\_\_\_

By (print) Cathy Cumble (sign) Cathy Cumble

2. Date cooler received 7/26/05 Date cooler opened: Same ☒ or ☐ \_\_\_\_\_

3. Delivered by NCA courier Walt Goldstein Fed-Ex ☐ UPS ☐ Express Mess. ☐ Client ☐ Other ☐  
Air bill # if applicable 01670803 (Put copy of shipping papers, etc. in file)

4. There were 2 custody seals present, signed by Larry W. P. B. date 7/25/04

5. Were custody seals unbroken and intact at the date and time of arrival? ☒ yes ☐ no

6. Was ice used? ☒ yes ☐ no Type of ice: ☐ blue ice ☒ gel ice ☐ real ice ☐ dry ice  
Temperature (degrees C) 2.7 Raytek Thermometer 2.0 Digi-Thermo (probe for temp. blank)

7. Were samples screened for radioactivity using the Geiger Counter? ☒ yes ☐ no  
Background average counts per minute: 17 Samples counts per minute: 16

8. Are custody papers sealed in a plastic bag and taped inside to the lid? ☒ yes ☐ no

9. Were custody papers filled out properly (ink, signed in appropriate places, etc.)? ☒ yes ☐ no  
If "no" please specify: 25037 RF Capt

10. Was project identifiable from custody papers? ☒ yes ☐ no  
Name of the project \_\_\_\_\_ (if applicable)

11. Initial and date for unpacking of cooler: TP (initials) date 7/26/05

12. Packing in cooler: ☒ bubble wrap/bag ☐ styrofoam ☐ cardboard ☐ other

13. Were all containers sealed in separate plastic bags? ☒ yes ☐ no

14. Did all containers indicated on the COC arrive? ☒ yes ☐ no  
If "no" please indicate which containers were absent \_\_\_\_\_

15. Were all containers unbroken and labels in good condition? ☒ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

16. Were all bottle labels complete (ID, date, time, signature, etc.)? ☒ yes ☐ no  
Do the ID's, times, etc. agree with the COC? ☒ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

17. Were samples received in proper containers for the indicated analysis? ☒ yes ☐ no  
Are containers properly preserved for the indicated analysis? ☒ yes ☐ no  
Is there adequate volume for the indicated analysis? ☒ yes ☐ no

18. If voa vials were submitted, are they free of bubbles? ☒ N/A ☐ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

19. Log-in Phase: Date samples were logged in: 7/26/05 Element Project # B5G0543

20. Logged in by (print) T. Blankinship (sign) Tom Blankinship

21. Was the project manager notified of status? (Use back of form as a record) ☐ yes ☐ no



056054/3

Project communication record:

Who was called? J. Sharp-Dahl By whom? J. Hany (date) 7/26/15

Topic of discussion: project number for project.

Record of discussion: The project number was not indicated on CDC.

Resolution: Proj # is 04-036

Project communication record:

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_/\_\_\_\_/\_\_\_\_

Topic of discussion:

Record of discussion:

Resolution:

Project communication record:

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_/\_\_\_\_/\_\_\_\_

Topic of discussion:

Record of discussion:

Resolution:

Additional Comments:

TAT: 5

Short Hold: \_\_\_\_\_

Non-Conformances?  
Circle Y or N  
(If Y, see other side)

## NCA SAMPLE RECEIPT CHECKLIST

### Received By:

Date: 7/26/05  
Time: 7:25  
Initials: CB

### Checked-in By:

Date: 7/26/05  
Time: 1355  
Initials: TD

Cooler ID: \_\_\_\_\_ (\_\_\_\_ of \_\_\_\_)

Work Order No. B5G0543  
Client: USACE - Alaska  
Project: Northeast Cape White Alice BDBR Removal

### Container Type:

☒ Cooler  
☐ Box  
☐ Other  
☐ None

### COC Seals:

☒ Ship. Container  
☐ On Bottles  
☐ None

### Packing Material:

☒ Bubble Bags  
☐ Foam Packs  
☐ Styrofoam  
☐ Other  
☐ None

### Refrigerant:

☒ Gel Ice Pack  
☐ Loose Ice  
☐ None/Other \_\_\_\_\_

### Received Via:

☐ Fed Ex  
☐ UPS  
☐ DHL

Client \_\_\_\_\_  
Courier Kate Harvey from Goldstream  
Other \_\_\_\_\_

Cooler Temperature (IR Digital): 20 °C (Frozen filters, Tedlars and aqueous Metals exempt) CA#: \_\_\_\_\_

Temperature Blank? Y or N

### Sample Containers:

	Y or N	ID	CA#
Intact?	<u>Y</u>	_____	_____
Correct Type?	<u>Y</u>	_____	_____
Adequately Labeled? (ID, date and time)	<u>Y</u>	_____	_____
#Containers match COC?	<u>Y</u>	_____	_____
IDs/time/date match COC?	<u>Y</u>	_____	_____
Properly Preserved?	<u>Y</u>	<u>Salts</u>	_____
Adequate Volume? (for tests requested)	<u>Y</u>	_____	_____

	Y or N	ID	CA#
Soil VOAs: Headspace?	<u>Y</u>	_____	_____
Water VOAs: Headspace?	<u>Y</u>	_____	_____
Preserved?	<u>Y</u>	_____	_____

## PROJECT MANAGEMENT

Is the Chain of Custody complete?

Y or N

Is client information in ELEMENT accurate?

Address? Y or N  
Phone #? Y or N  
PM? Y or N

Is project information in ELEMENT accurate?

Proj. Name? Y or N  
Proj. #? Y or N  
Contact? Y or N  
Bid/Prices? Y or N  
Invoice info? Y or N  
Tax info? Y or N  
Analyses? Y or N

Has client been contacted regarding non-conformances?

Y or N If Y, \_\_\_\_\_ / \_\_\_\_\_  
Date Time

PM Initials: lll Date: 7/26/05 Time: 1720

Non-Conformances?  
Circle Y or N  
(If Y, see other side)

# NCA Sample Receiving Corrective Action Form

Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Initials: \_\_\_\_\_

Cooler ID: \_\_\_\_\_ (\_\_\_\_ of \_\_\_\_)  
Work Order No. B56093  
Client: USAF - Alaska  
Project: NE Cape White Office

Describe Corrective Action: (Reference CA# from Sample Receipt Checklist next to CA below and/or describe CA in comment section)

CA # _____	CA # _____	CA # _____
Salvaged Sample	Replaced Bottle	Replaced Lid
Verified ID w/client	Notified PM	Notified Client
Preserved Sample w/ _____	from Lot#/Reagent ID _____	
Preserved Sample w/ _____	from Lot#/Reagent ID _____	

Cooler Temp: \_\_\_\_\_ °C (Frozen filters, Tedlars and aqueous Metals exempt) CA#: \_\_\_\_\_ Select either comment below

**Comment:** Samples were received outside the recommended temperature range (4°C±2°C). Samples were received on-ice, within 4 hours of collection, but may not have had sufficient time to equilibrate. A temperature range from ambient to 2°C is considered acceptable. The samples will be analyzed as scheduled unless otherwise directed by the client.

**Comment:** Samples were received outside the recommended temperature range (4°C±2°C). The COC was stamped with "Samples were not received @ 2-6°C upon receipt." The samples will be analyzed as scheduled unless otherwise directed by the client.

Comments or Other Actions Taken:

Reviewed and approved by:

PM Signature

Date



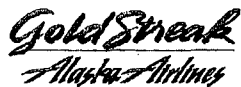
**CUSTODY SEAL**

Signature: *Perry W. Pelt* Date/Time: 7/25/05 1430

**CUSTODY SEAL**

**SGS** Environmental

Signature: *Perry W. Pelt* Date/Time: 7/25



www.ALASKAAIR.com  
1-800-2ALASKA

P.O. Box 68900  
Seattle, WA 98168

Airline	Origin	AIR WAYBILL Number
027-	AK	0167 0863
Total Pieces		Total Weight
1		2.6
MULTIPLE PIECES FOR AS FLIGHTS ONLY		
Please <input checked="" type="checkbox"/> If Live Animal <input type="checkbox"/>		
<b>Form of Payment</b>		
<input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> GBL—Attach GBL		
<input type="checkbox"/> AS / QX Account Number		
<input type="checkbox"/> Credit Card Number		
Validata Approval <i>[Signature]</i>		
CHECK ONE ONLY		
<input type="checkbox"/> AIRPORT TO AIRPORT SERVICE		
Subtotal Charges		
AS COURIER CHARGES		
Other Charges		
1st Carrier		
2nd Carrier		
3rd Carrier		
Tax (Offline only)		
Pickup (NON AS COURIER)		
Delivery (NON AS COURIER)		
Special Service		
Insurance		
TOTAL		

Door-To-Door Service: (800) 634-7113

## 2. Consignee Memo

From Shipper:		
CRISTOL ENVIRONMENTAL SVCS 907 553-0013		
Address:	Phone:	
City:	State:	
Zip Code:		
I certify that this shipment does not contain any unauthorized explosives, destructive devices or hazardous materials.		
Shipper's Signature	PRINTED NAME	
<i>[Signature]</i>	<i>[Name]</i>	
Date		
Domestic <input checked="" type="checkbox"/>	International <input type="checkbox"/>	
Insured Value	Declared Value For Customs	
Airport of Departure	First Carrier	
Airport of Destination		
Nature and Quantity of Goods:		
Handling Information:		
To Consignee: (Complete Consignee information required on package)		
North Creek Analytical - NCA		
Address:	Phone:	
City:	State:	
Zip Code:		
Consignee's Printed Name-Signature (Received in Good Order Except as Noted)	Time	
	a.m.	
	p.m.	
Date		
Airline	Origin	AIR WAYBILL Number
027-	AK	0167 0863



Remarks

This is a non-negotiable AIR WAYBILL subject to the terms and conditions set forth on the reverse of shippers copy.

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## Laboratory Report Project Overview

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EDF 1.2a

Laboratory:	North Creek Analytical, Bothell, WA
Lab Report Number:	B5G0543
Project Name:	Northeast Cape White Alic
Work Order Number:	04-036
Control Sheet Number:	CSN071905

000104

## Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
B5G0543	05NEC31SLSL084	B5G0543-01	SO	CS	SW8082	SW3550B	07/19/05	07/27/05	07/28/05	5G27062	1
B5G0543	05NEC31SLSL096	B5G0543-02	SO	CS	SW8082	SW3550B	07/19/05	07/27/05	07/28/05	5G27062	1
B5G0543	05NEC31SLSL108	B5G0543-03	SO	CS	SW8082	SW3550B	07/19/05	07/27/05	07/28/05	5G27062	1
B5G0543	05NEC31SLSL108	B5G0543-03R1	SO	CS	SW8082	SW3550B	07/19/05	07/27/05	07/29/05	5G27062	1
		B5G0492-03	SO	NC	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1
		5G27062-BSD2	SQ	BD2	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1
		5G27062-BS2	SQ	BS2	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1
		5G27062-BLK2	SQ	LB2	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1
		5G27062-MS2	SO	MS2	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1
		5G27062-MSD2	SO	SD2	SW8082	SW3550B	/ /	07/27/05	07/28/05	5G27062	1

000101




Lab Report No.: B5G0543 Date: 08/04/05

Page: 1

Project Name: Northeast Cape White Alic		Analysis: Polychlorinated Biphenyls (PCBs) by Gas	
Project No: 04-036		Method: SW8082	
		Prep Meth: SW3550B	
Field ID: 05NEC31SLSL084		Lab Samp ID: B5G0543-01	
Descr/Location: LOCID		Rec'd Date: 07/26/05	
Sample Date: 07/19/05		Prep Date: 07/27/05	
Sample Time: 0800		Analysis Date: 07/28/05	
Matrix: Soil		QC Batch: 5G27062	
Basis: Dry		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0 PQL		ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0 PQL		ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0 PQL		ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0 PQL		ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0 PQL		ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0 PQL		ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0 PQL		ND	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0 PQL		ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0 PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
Decachlorobiphenyl		60-125 SLISA		101%		1
2,4,5,6-Tetrachloro-meta-xylene		40-140 SLISA		94.2%		1

Approved by: 

Date: 08/04/05

000106

Lab Report No.: B5G0543 Date: 08/04/05

Page: 2

Project Name: Northeast Cape White Alic		Analysis: Polychlorinated Biphenyls (PCBs) by Gas	
Project No: 04-036		Method: SW8082	
		Prep Meth: SW3550B	
Field ID: 05NEC31SLSL096		Lab Samp ID: B5G0543-02	
Descr/Location: LOCID		Rec'd Date: 07/26/05	
Sample Date: 07/19/05		Prep Date: 07/27/05	
Sample Time: 1105		Analysis Date: 07/28/05	
Matrix: Soil		QC Batch: 5G27062	
Basis: Dry		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0 PQL		ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0 PQL		ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0 PQL		ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0 PQL		ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0 PQL		ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0 PQL		ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0 PQL		39.7	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0 PQL		ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0 PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
Decachlorobiphenyl		60-125 SLISA		103%		1
2,4,5,6-Tetrachloro-meta-xylene		40-140 SLISA		91.3%		1

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

08/04/05

000107

Lab Report No.: B5G0543 Date: 08/04/05

Page: 3

Project Name: Northeast Cape White Alic		Analysis: Polychlorinated Biphenyls (PCBs) by Gas	
Project No: 04-036		Method: SW8082	
		Prep Meth: SW3550B	
Field ID: 05NEC31SLSL108		Lab Samp ID: B5G0543-03	
Descr/Location: LOCID		Rec'd Date: 07/26/05	
Sample Date: 07/19/05		Prep Date: 07/27/05	
Sample Time: 1155		Analysis Date: 07/28/05	
Matrix: Soil		QC Batch: 5G27062	
Basis: Dry		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0 PQL		ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0 PQL		ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0 PQL		ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0 PQL		ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0 PQL		ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0 PQL		ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0 PQL	E	415	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0 PQL		ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0 PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:						
Decachlorobiphenyl		60-125 SLISA		100%		1
2,4,5,6-Tetrachloro-meta-xylene		40-140 SLISA		96.0%		1
E: EPA Flag - Analyte exceeded the concentration range of the GC/MS						

Approved by: Date: 08/04/05

000108

Lab Report No.: B5G0543 Date: 08/04/05

Page: 4

Project Name: Northeast Cape White Alic		Analysis: Polychlorinated Biphenyls (PCBs) by Gas	
Project No: 04-036		Method: SW8082	
		Prep Meth: SW3550B	
Field ID: 05NEC31SLSL108		Lab Samp ID: B5G0543-03R1	
Descr/Location: LOCID		Rec'd Date: 07/26/05	
Sample Date: 07/19/05		Prep Date: 07/27/05	
Sample Time: 1155		Analysis Date: 07/29/05	
Matrix: Soil		QC Batch: 5G27062	
Basis: Dry		Notes:	


  

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	17.4	125.	PQL	ND	UG/KG	5
PCB-1221 (Aroclor 1221)	66.4	250.	PQL	ND	UG/KG	5
PCB-1232 (Aroclor 1232)	28.8	125.	PQL	ND	UG/KG	5
PCB-1242 (Aroclor 1242)	10.4	125.	PQL	ND	UG/KG	5
PCB-1248 (Aroclor 1248)	8.90	125.	PQL	ND	UG/KG	5
PCB-1254 (Aroclor 1254)	7.45	125.	PQL	ND	UG/KG	5
PCB-1260 (Aroclor 1260)	4.35	125.	PQL	453	UG/KG	5
PCB-1262 (Aroclor 1262)	7.30	125.	PQL	ND	UG/KG	5
PCB-1268 (Aroclor 1268)	31.0	125.	PQL	ND	UG/KG	5

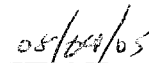
  

SURROGATE AND INTERNAL STANDARD RECOVERIES:						
Decachlorobiphenyl	60-125	SLSA		119%		5
2,4,5,6-Tetrachloro-meta-xylene	40-140	SLSA		97.2%		5

Approved by: \_\_\_\_\_



Date: \_\_\_\_\_



000109

# QA/QC Report Method Blank Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5G0543 Date: 08/04/05

Page: 5

QC Batch: 5G27062		Analysis: Polychlorinated Biphenyls (PCBs) by Gas	
Matrix: Soil/Solid QC		Method: SW8082	
Lab Samp ID: 5G27062-BLK2		Prep Meth: SW3550B	
Analysis Date: 07/28/05		Prep Date: 07/27/05	
Basis: Dry		Notes:	

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0	PQL	ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0	PQL	ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0	PQL	ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0	PQL	ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0	PQL	ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0	PQL	ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0	PQL	ND	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0	PQL	ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0	PQL	ND	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:				
Decachlorobiphenyl	60-125	SLSA	106%	1
2,4,5,6-Tetrachloro-meta-xylene	40-140	SLSA	87.1%	1

000110

# QA/QC Report

## Matrix Spike/Duplicate Matrix Spike Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5G0543 Date: 08/04/05

Page: 6

QC Batch: 5G27062	Project Name: Lab Generated or Non COE Sample
Matrix: Soil	Project No.: Lab Generated or Non COE Sample
Lab Samp ID: 5G27062-MS2	Field ID: Lab Generated or Non COE Sample
Basis: Dry	Lab Ref ID: B5G0492-03

Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	DMS		MS	DMS		MS	DMS	RPD	% Rec	RPD	
PCB-1016 (Aroclor 1016)	SW8082	245.	251.	ND	142.	135.	UG/KG dw	58.0	53.8	7.5	140-40	MSA	30MSP
PCB-1260 (Aroclor 1260)	SW8082	245.	251.	141.	424.	371.	UG/KG dw	116	91.6	24	130-60	MSA	30MSP
2,4,5,6-Tetrachloro-meta-xylene	SW8082	100.	100.	85.2	85.2	82.6	PERCENT dw	85.2	82.6	3.1	140-40	SLSA	NA
Decachlorobiphenyl	SW8082	100.	100.	101.	101.	97.5	PERCENT dw	101	97.5	3.5	125-60	SLSA	NA

000113

# QA/QC Report

## Blank Spike/Duplicate Blank Spike Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5G0543 Date: 08/04/05

Page: 7

QC Batch: 5G27062  
Matrix: Soil/Solid QC  
Lab Samp ID: 5G27062-BS2

Analyte	Analysis Method	Spike Level		Spike Result		Units	% Recoveries			Acceptance Criteria	
		LCS	LCD	LCS	LCD		LCS	LCD	RPD	%Rec	RPD
PCB-1016 (Aroclor 1016)	SW8082	83.3	83.3	66.4	69.0	UG/KG dw	79.7	82.8	3.8	140-40 LSA	30LSP
PCB-1260 (Aroclor 1260)	SW8082	83.3	83.3	81.3	82.4	UG/KG dw	97.6	98.9	1.3	130-60 LSA	30LSP
2,4,5,6-Tetrachloro-meta-xylene	SW8082	100.	100.	87.3	85.5	PERCENT dw	87.3	85.5	2.1	140-40 SLSA	NA
Decachlorobiphenyl	SW8082	100.	100.	103.	104.	PERCENT dw	103	104	0.97	125-60 SLSA	NA

000112



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588  
**Anchorage** 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
907.563.9200 fax 907.563.9210

30 August 2005

Michelle Turner  
Bristol Environmental and Engineering  
2000 W International Airport Rd, Suite C1  
Anchorage, AK/USA 99502-1116  
RE: NE Cape

Enclosed are the results of analyses for samples received by the laboratory on 08/16/05 09:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Robert Greer  
Project Manager





**WORK ORDER**  
**North Creek Analytical - Bothell**  
**B5H0381**

**Client:** SGS/CT&E Environmental Services Inc.  
**Project:** NE Cape ✓

**Printed:** 8/16/2005 4:16:42PM ✓  
**Project Number:** 1055152 ✓

**Report To:**  
SGS/CT&E Environmental Services Inc.  
Michelle Turner ✓  
200 W. Potter Drive  
Anchorage, AK/USA 99518  
Phone: (907) 562-5301  
Fax: (907) 561-5301

**Invoice To:**  
SGS/CT&E Environmental Services Inc.  
Michelle Turner ✓  
200 W. Potter Drive  
Anchorage, AK/USA 99518  
Phone: (907) 562-5301  
Fax: (907) 561-5301

**Project Manager:** Robert Greer ✓  
**Received By:** Colette Weaver ✓  
**Logged In By:** Jonathan Hollers

**Date Due:** 08/30/05 17:00 (10 day TAT) ✓  
**Date Received:** 08/16/05 09:15 ✓  
**Date Logged In:** 08/16/05 16:06

**Samples Received at:** 4.3°C ✓  
**All containers intact:** Yes  
**Sample labels/COC agree:** No  
**Preservation Confirmed Upon Receipt:** No  
**Custody Seals Present:** Yes ✓

*BBP  
GC-Semi  
Extractions*

Analysis		Due	TAT	Expires	Comments
<b>B5H0381-01</b>	<b>05NECAFCC143</b> ✓	Soil		<b>Sampled:08/07/05 08:30</b> ✓	
8082 PCB Only ✓		08/29/05 17:00	10	08/21/05 09:30	
Dry Weight		08/29/05 17:00	10	09/04/05 09:30	
<b>B5H0381-02</b>	<b>05NECAFCC093</b> ✓	Soil		<b>Sampled:08/05/05 10:05</b> ✓	
8082 PCB Only ✓		08/29/05 17:00	10	08/19/05 11:05	
Dry Weight		08/29/05 17:00	10	09/02/05 11:05	
<b>B5H0381-03</b>	<b>05NECAFCC123</b> ✓	Soil		<b>Sampled:08/05/05 11:45</b> ✓	
8082 PCB Only //		08/29/05 17:00	10	08/19/05 12:45	
Dry Weight		08/29/05 17:00	10	09/02/05 12:45	

Reviewed By

*NG*

Date

*8/17/05*

# NORTH CREEK ANALYTICAL SAMPLE RECEIPT FORM

Client: SGS/CT&E Environmental Services (Army Corp. compliant) COC # 039316

1. Please sign for receipt and opening of: ☒ Cooler ☐ Other: \_\_\_\_\_

By (print) Colette Weaver (sign) Colette Weaver

2. Date cooler received 08/16/05 Date cooler opened: Same ☒ or      /      /     

3. Delivered by ☐ NCA courier ☐ Fed-Ex ☒ UPS ☐ Express Mess. ☐ Client ☐ Other ☐  
Air bill # if applicable 12A8619W0142643224 (Put copy of shipping papers, etc. in file)

4. There were 4 custody seals present, signed by Steven R. Coy date 08/15/05

5. Were custody seals unbroken and intact at the date and time of arrival? ☒ yes ☐ no

6. Was ice used? ☒ yes ☐ no Type of ice: ☐ blue ice ☒ gel ice ☐ real ice ☐ dry ice  
Temperature (degrees C) 4.5 Raytek Thermometer 4.3 Digi-Thermo (probe for temp. blank)

7. Were samples screened for radioactivity using the Geiger Counter? ☒ yes ☐ no  
Background average counts per minute: 9 Samples counts per minute: 13

8. Are custody papers sealed in a plastic bag and taped inside to the lid? ☐ yes ☒ no

9. Were custody papers filled out properly (ink, signed in appropriate places, etc.)? ☒ yes ☐ no  
If "no" please specify: \_\_\_\_\_

10. Was project identifiable from custody papers? ☒ yes ☐ no  
Name of the project NE Cape (if applicable)

11. Initial and date for unpacking of cooler: gpc (initials) date 8/16/05

12. Packing in cooler: ☒ bubble wrap/bag ☐ styrofoam ☐ cardboard ☐ other

13. Were all containers sealed in separate plastic bags? ☒ yes ☐ no

14. Did all containers indicated on the COC arrive? ☒ yes ☐ no  
If "no" please indicate which containers were absent \_\_\_\_\_

15. Were all containers unbroken and labels in good condition? ☒ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

16. Were all bottle labels complete (ID, date, time, signature, etc.)? ☐ yes ☒ no  
Do the ID's, times, etc. agree with the COC? ☐ yes ☒ no  
If "no" please indicate which containers All three samples have  
no sampling date or times.

17. Were samples received in proper containers for the indicated analysis? ☒ yes ☐ no  
Are containers properly preserved for the indicated analysis? ☒ yes ☐ no  
Is there adequate volume for the indicated analysis? ☒ yes ☐ no

18. If voa vials were submitted, are they free of bubbles? ☒ N/A ☐ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

19. Log-in Phase: Date samples were logged in: 8/16/05 Element Project # B5HD381

20. Logged in by (print) Jon Hollers (sign) Jon Hollers

21. Was the project manager notified of status? (Use back of form as a record) ☐ yes ☐ no

TAT: \_\_\_\_\_

Short Hold: \_\_\_\_\_

Non-Conformances?  
Circle Y or N  
(If Y, see other side)

### NCA SAMPLE RECEIPT CHECKLIST

Received By: \_\_\_\_\_

Checked-in By: \_\_\_\_\_

Cooler ID: \_\_\_\_\_ (\_\_\_\_ of \_\_\_\_)

Date: 08-16-05  
Time: 0915  
Initials: CW

Date: 08-16-05  
Time: 1430  
Initials: CW

Work Order No. B5G0381  
Client: SGS/CTC Environmental Services  
Project: NE Cape

Container Type:

☒ Cooler  
☐ Box  
☐ Other  
☐ None

COC Seals:

☒ Ship. Container  
☐ On Bottles  
☐ None

Packing Material:

☐ Bubble Bags  
☐ Foam Packs  
☐ Styrofoam  
☒ Other plastic bags & bubble wrap  
☐ None

Refrigerant:

☒ Gel Ice Pack  
☐ Loose Ice  
☐ None/Other \_\_\_\_\_

Received Via:

☐ Fed Ex  
☒ UPS  
☐ DHL  
☐ Client  
☐ Courier  
☐ Other \_\_\_\_\_

Cooler Temperature (IR Digital) 4.3 °C (Frozen filters, Tedlars and aqueous Metals exempt) CA#: \_\_\_\_\_  
Temperature Blank? Y or N @ 0913 CW

Sample Containers:

	Y or N	ID	CA#
Intact?	<u>Y</u>	_____	_____
Correct Type?	<u>Y</u>	_____	_____
Adequately Labeled? (ID, date and time)	<u>Y</u> or <u>N</u>	_____	_____
#Containers match COC?	<u>Y</u> or <u>N</u>	_____	_____
IDs/time/date match COC?	<u>Y</u> or <u>N</u>	_____	_____
Properly Preserved?	<u>Y</u> or <u>N</u>	_____	_____
Adequate Volume? (for tests requested)	<u>Y</u> or <u>N</u>	_____	_____

	Y or N	ID	CA#
Soil VOAs: Headspace?	<u>Y</u> or <u>N</u>	_____	_____
Water VOAs: Headspace?	<u>Y</u> or <u>N</u>	_____	_____
Preserved?	<u>Y</u> or <u>N</u>	_____	_____

### PROJECT MANAGEMENT

Is the Chain of Custody complete?

Is client information in ELEMENT accurate?

Is project information in ELEMENT accurate?

Y or N  
Address? Y or N  
Phone #? Y or N  
PM? Y or N  
Proj. Name? Y or N  
Proj. #? Y or N  
Contact? Y or N  
Bid/Prices? Y or N  
Invoice info? Y or N  
Tax info? Y or N  
Analyses? Y or N

Has client been contacted regarding non-conformances?

Y or N If Y, \_\_\_\_\_ / \_\_\_\_\_  
Date Time

PM Initials: RG Date: 8/16/05 Time: 11:16 AM

**222** Environmental

**CUSTODY SEAL**

Signature: Steven R. Cuyi

Date/Time: 8/15/05 1030

**222** Environmental

**CUSTODY SEAL**

Signature: Steven R. Cuyi

Date/Time: 8/15/05 1030

**222** Environmental

**CUSTODY SEAL**

Signature: Steven R. Cuyi

Date/Time: 8/15/05 1030

**222** Environmental

**CUSTODY SEAL**

Signature: Steven R. Cuyi

Date/Time: 8/15/05 1030

FOREST TAYLOR  
(907) 562-2243  
SOS ENVIRONMENTAL SERVICES  
200 WEST POTTER DR  
ANCHORAGE AK 99518

16 LBS

1 OF 1

**SHIP TO:**

**SAMPLE RECEIVING  
(425) 428-0200  
NORTH CREEK ANALYTICAL  
11720 NORTH CREEK PKWY N, SUITE 400  
BOTHELL WA 98011**



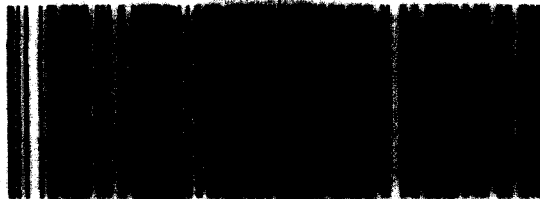
**WA 982 9-03**



**UPS NEXT DAY AIR**

**TRACKING #: 1Z A86 18N 01 4284 3224**

**1**



**BILLING: 3RD PARTY**

**REF 1: 1055152**

UOH 7.8.17 UPS Thermal 2 45.88 07/2005





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907.563.9200 fax 907.563.9210

Bristol Environmental and Engineering  
2000 W International Airport Rd, Suite C1  
Anchorage, AK/USA 99502-1116

Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
05NECAFCC143	B5H0381-01	Soil	08/07/05 08:30	08/16/05 09:15
05NECAFCC093	B5H0381-02	Soil	08/05/05 10:05	08/16/05 09:15
05NECAFCC123	B5H0381-03	Soil	08/05/05 11:45	08/16/05 09:15

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

**Polychlorinated Biphenyls by EPA Method 8082**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>05NECAFCC143 (B5H0381-01) Soil Sampled: 08/07/05 08:30 Received: 08/16/05 09:15</b>									
Aroclor 1016	ND	25.0	ug/kg dry	1	5H17044	08/17/05	08/18/05	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
Aroclor 1260	ND	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	92.6 %	39-139			"	"	"	"	
Surrogate: Decachlorobiphenyl	91.1 %	33-163			"	"	"	"	

<b>05NECAFCC093 (B5H0381-02) Soil Sampled: 08/05/05 10:05 Received: 08/16/05 09:15</b>									
Aroclor 1016	ND	25.0	ug/kg dry	1	5H17044	08/17/05	08/18/05	EPA 8082	
Aroclor 1221	ND	50.0	"	"	"	"	"	"	
Aroclor 1232	ND	25.0	"	"	"	"	"	"	
Aroclor 1242	ND	25.0	"	"	"	"	"	"	
Aroclor 1248	ND	25.0	"	"	"	"	"	"	
Aroclor 1254	ND	25.0	"	"	"	"	"	"	
<b>Aroclor 1260</b>	<b>32.1</b>	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	25.0	"	"	"	"	"	"	
Aroclor 1268	ND	25.0	"	"	"	"	"	"	
Surrogate: TCX	104 %	39-139			"	"	"	"	
Surrogate: Decachlorobiphenyl	95.2 %	33-163			"	"	"	"	

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Anchorage, AK/USA 99502-1116

Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

**Polychlorinated Biphenyls by EPA Method 8082**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit							
<b>05NECAFCC123 (B5H0381-03) Soil    Sampled: 08/05/05 11:45    Received: 08/16/05 09:15</b>										
Aroclor 1016	ND	25.0	ug/kg dry	1	5H17044	08/17/05	08/18/05	EPA 8082		
Aroclor 1221	ND	50.0	"	"	"	"	"	"		
Aroclor 1232	ND	25.0	"	"	"	"	"	"		
Aroclor 1242	ND	25.0	"	"	"	"	"	"		
Aroclor 1248	ND	25.0	"	"	"	"	"	"		
Aroclor 1254	ND	25.0	"	"	"	"	"	"		
Aroclor 1260	ND	25.0	"	"	"	"	"	"		
Aroclor 1262	ND	25.0	"	"	"	"	"	"		
Aroclor 1268	ND	25.0	"	"	"	"	"	"		
Surrogate: TCX	102 %	39-139				"	"	"	"	
Surrogate: Decachlorobiphenyl	99.9 %	33-163				"	"	"	"	

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Bristol Environmental and Engineering  
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Anchorage, AK/USA 99502-1116

Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
05NECAFCC143 (B5H0381-01) Soil    Sampled: 08/07/05 08:30    Received: 08/16/05 09:15									
Dry Weight	93.9	1.00	%	1	5H24071	08/24/05	08/25/05	BSOPSPL003R08	
05NECAFCC093 (B5H0381-02) Soil    Sampled: 08/05/05 10:05    Received: 08/16/05 09:15									
Dry Weight	95.3	1.00	%	1	5H24071	08/24/05	08/25/05	BSOPSPL003R08	
05NECAFCC123 (B5H0381-03) Soil    Sampled: 08/05/05 11:45    Received: 08/16/05 09:15									
Dry Weight	95.7	1.00	%	1	5H24071	08/24/05	08/25/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

Reported:  
08/30/05 15:52

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

**Batch 5H17044: Prepared 08/17/05 Using EPA 3550B**

**Blank (5H17044-BLK2)**

Aroclor 1016	ND	25.0	ug/kg						
Aroclor 1221	ND	50.0	"						
Aroclor 1232	ND	25.0	"						
Aroclor 1242	ND	25.0	"						
Aroclor 1248	ND	25.0	"						
Aroclor 1254	ND	25.0	"						
Aroclor 1260	ND	25.0	"						
Aroclor 1262	ND	25.0	"						
Aroclor 1268	ND	25.0	"						
Surrogate: TCX	6.08		"	6.67		91.2	39-139		
Surrogate: Decachlorobiphenyl	6.68		"	6.67		100	33-163		

**LCS (5H17044-BS2)**

Aroclor 1016	81.3	25.0	ug/kg	83.3		97.6	54-125		
Aroclor 1260	79.4	25.0	"	83.3		95.3	58-128		
Surrogate: TCX	6.18		"	6.67		92.7	39-139		
Surrogate: Decachlorobiphenyl	6.55		"	6.67		98.2	33-163		

**LCS Dup (5H17044-BSD2)**

Aroclor 1016	79.7	25.0	ug/kg	83.3		95.7	54-125	1.99	30
Aroclor 1260	80.7	25.0	"	83.3		96.9	58-128	1.62	30
Surrogate: TCX	6.18		"	6.67		92.7	39-139		
Surrogate: Decachlorobiphenyl	6.75		"	6.67		101	33-163		

**Matrix Spike (5H17044-MS2)**

**Source: B5H0232-03**

Aroclor 1016	59.2	25.0	ug/kg wet	82.2	ND	72.0	47-134		
Aroclor 1260	54.2	25.0	"	82.2	ND	65.9	22-171		
Surrogate: TCX	4.58		"	6.58		69.6	39-139		
Surrogate: Decachlorobiphenyl	3.95		"	6.58		60.0	33-163		

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Bristol Environmental and Engineering  
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Anchorage, AK/USA 99502-1116

Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

**Batch 5H17044: Prepared 08/17/05 Using EPA 3550B**

**Matrix Spike Dup (5H17044-MSD2)**

**Source: B5H0232-03**

Aroclor 1016	63.3	25.0	ug/kg wet	84.2	ND	75.2	47-134	6.69	35
Aroclor 1260	54.5	25.0	"	84.2	ND	64.7	22-171	0.552	35
Surrogate: TCX	4.67		"	6.73		69.4	39-139		
Surrogate: Decachlorobiphenyl	4.08		"	6.73		60.6	33-163		

North Creek Analytical - Bothell

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Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	--------------	-------

**Batch 5H24071: Prepared 08/24/05 Using Dry Weight**

**Blank (5H24071-BLK1)**

Dry Weight	100	1.00	%
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North Creek Analytical - Bothell

Robert Greer, Project Manager

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Project: NE Cape  
Project Number: 1055152  
Project Manager: Michelle Turner

**Reported:**  
08/30/05 15:52

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

North Creek Analytical - Bothell

Robert Greer, Project Manager

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Data Package

Client: USACE – Alaska

Project: Northeast Cape White Alice BDDR Removal

Project Number: 04-036

Laboratory Work Order: B5H0640

September 9, 2005

North Creek Analytical  
11720 North Creek Parkway North, Suite 400  
Bothell, WA 98011-8223

Phone: (425) 420-9200  
FAX: (425) 420-9210

## Table of Contents

	Page Numbers		Check	
	From	To	QA	QA
<b>Analytical Report</b>	1	7	<u>✓</u>	<u>✓</u>
<b>Polychlorinated Biphenyls by EPA Method 8082</b>	8	80	<u>✓</u>	<u>✓</u>
ECD#6 – Analytical Summary	8	8		
Calibration Verification Table & Raw Data	9	33		
Initial Calibration	34	80		
<b>Preparation Bench Sheets</b>	81	83	<u>✓</u>	<u>✓</u>
<b>Sample Receipt Documentation</b>	84	93	<u>✓</u>	<u>✓</u>
<b>COELT</b>	94	110	<u>✓</u>	<u>✓</u>



## Case Narrative

### Sample Receiving

B5H0640:

One soil sample was collected on 8/15/05 at 11:20. One soil sample was collected on 8/17/05 at 13:30. The cooler containing the samples arrived at North Creek Analytical – Bothell (NCA-B) on 8/26/05 at 12.5°C. The established acceptance criterion for sample storage is  $4 \pm 2^\circ\text{C}$ . All containers and custody seals arrived intact. The samples were logged in as work order B5H0640.

The cooler containing the samples was sent by the client to the airport in Bethel, AK on 8/24/05. The cooler was redirected by Goldstreak in Bethel, AK on 8/25/05 to Seattle, WA. The cooler arrived in Seattle on 8/26/05. Gel ice had been used as a coolant in the cooler, but was found melted upon arrival at the laboratory.

Samples 05NEC31SL12 (B5H0640-01) and 05NECAFSL24 (B5H0640-02): The sample IDs on the sample containers differed from the sample IDs on the Chain of Custody. The samples were initially logged in according to the Chain of Custody. A revised Chain of Custody was received from the client and the sample IDs were corrected. The sample containers were both received with limited sample volume.

### Sample Preparation

Method holding times were met for all preparations and analyses.

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The samples were prepared in accordance with EPA 3550B in batch 5H29033. Standard aliquots of ~ 30 g were extracted in 1:1 methylene chloride:acetone and solvent exchanged using hexane to a final volume of 5 mLs. The extracts were sulfuric acid cleaned in accordance with EPA 3665A.

### Analysis

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The samples were analyzed in accordance with EPA 8082 without dilutions.

### Quality Assurance

- **EPA 3550B/8082 for Polychlorinated Biphenyls** — The recoveries for the monitored target analytes were within the established acceptance criteria, with exceptions noted below.

Single Point Calibration 32H0705 ECD-6: The expired Aroclor 1232 standard was used only for peak identification and not for quantitation. There were no detections for Aroclor 1232 in the associated client samples [05NEC31SL12 (B5H0640-01) and 05NECAFSL24 (B5H0640-02)].

"I certify that this data package is in compliance with the Contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signatures:"

 9/9/05  
Prepared by Linda Holz, QA Associate

 9/9/05  
Reviewed by Kristine Tefreau, QA Associate



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USACE - Alaska  
PO Box 6898, Building 2212 Third Street  
Elmendorf AFB, AK/USA 99506-6898

Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

**Reported:**  
09/01/05 13:32

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
05NEC31SL12	B5H0640-01	Soil	08/15/05 11:20	08/26/05 10:40
05NECAFSL24	B5H0640-02	Soil	08/17/05 13:30	08/26/05 10:40

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project Manager: Julie Sharp-Dahl

Reported:  
09/01/05 13:32

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers)  
North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>05NEC31SL12 (B5H0640-01) Soil    Sampled: 08/15/05 11:20    Received: 08/26/05 10:40</b>										
Aroclor 1016	ND	3.48	25.0	ug/kg dry	1	5H29033	08/29/05	08/30/05	EPA 8082	U
Aroclor 1221	ND	13.3	50.0	"	"	"	"	"	"	U
Aroclor 1232	ND	5.76	25.0	"	"	"	"	"	"	U
Aroclor 1242	ND	2.08	25.0	"	"	"	"	"	"	U
Aroclor 1248	ND	1.78	25.0	"	"	"	"	"	"	U
Aroclor 1254	ND	1.49	25.0	"	"	"	"	"	"	U
Aroclor 1260	ND	0.870	25.0	"	"	"	"	"	"	U
Aroclor 1262	ND	1.46	25.0	"	"	"	"	"	"	U
Aroclor 1268	ND	6.20	25.0	"	"	"	"	"	"	U
Surrogate: TCX	90.1 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	97.7 %		60-125			"	"	"	"	
<b>05NECAFSL24 (B5H0640-02) Soil    Sampled: 08/17/05 13:30    Received: 08/26/05 10:40</b>										
Aroclor 1016	ND	3.48	25.0	ug/kg dry	1	5H29033	08/29/05	08/30/05	EPA 8082	U
Aroclor 1221	ND	13.3	50.0	"	"	"	"	"	"	U
Aroclor 1232	ND	5.76	25.0	"	"	"	"	"	"	U
Aroclor 1242	ND	2.08	25.0	"	"	"	"	"	"	U
Aroclor 1248	ND	1.78	25.0	"	"	"	"	"	"	U
Aroclor 1254	ND	1.49	25.0	"	"	"	"	"	"	U
<b>Aroclor 1260</b>	<b>166</b>	0.870	25.0	"	"	"	"	"	"	
Aroclor 1262	ND	1.46	25.0	"	"	"	"	"	"	U
Aroclor 1268	ND	6.20	25.0	"	"	"	"	"	"	U
Surrogate: TCX	88.9 %		40-140			"	"	"	"	
Surrogate: Decachlorobiphenyl	99.9 %		60-125			"	"	"	"	

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

**Reported:**  
09/01/05 13:32

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
05NEC31SL12 (B5H0640-01) Soil    Sampled: 08/15/05 11:20    Received: 08/26/05 10:40										
Dry Weight	84.9	1.00	1.00	%	1	5H30067	08/30/05	08/31/05	SOPSPL003R	
05NECAFSL24 (B5H0640-02) Soil    Sampled: 08/17/05 13:30    Received: 08/26/05 10:40										
Dry Weight	90.5	1.00	1.00	%	1	5H30067	08/30/05	08/31/05	SOPSPL003R	

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
09/01/05 13:32

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5H29033: Prepared 08/29/05 Using EPA 3550B**

**Blank (5H29033-BLK1)**

Aroclor 1016	ND	3.48	25.0	ug/kg						U
Aroclor 1221	ND	13.3	50.0	"						U
Aroclor 1232	ND	5.76	25.0	"						U
Aroclor 1242	ND	2.08	25.0	"						U
Aroclor 1248	ND	1.78	25.0	"						U
Aroclor 1254	ND	1.49	25.0	"						U
Aroclor 1260	ND	0.870	25.0	"						U
Aroclor 1262	ND	1.46	25.0	"						U
Aroclor 1268	ND	6.20	25.0	"						U

Surrogate: TCX	6.35			"	6.67		95.2 %	40-140		
Surrogate: Decachlorobiphenyl	6.80			"	6.67		102 %	60-125		

**LCS (5H29033-BS1)**

Aroclor 1016	83.9	3.48	25.0	ug/kg	83.3		101	40-140		
Aroclor 1260	83.4	0.870	25.0	"	83.3		100	60-130		
Surrogate: TCX	6.12			"	6.67		91.8 %	40-140		
Surrogate: Decachlorobiphenyl	6.56			"	6.67		98.4 %	60-125		

**LCS Dup (5H29033-BSD1)**

Aroclor 1016	81.9	3.48	25.0	ug/kg	83.3		98.3	40-140	2.41	30
Aroclor 1260	82.0	0.870	25.0	"	83.3		98.4	60-130	1.69	30
Surrogate: TCX	6.13			"	6.67		91.9 %	40-140		
Surrogate: Decachlorobiphenyl	6.67			"	6.67		100 %	60-125		

**Matrix Spike (5H29033-MS1)**

Source: B5H0591-01

Aroclor 1016	93.8	3.48	25.0	ug/kg dry	96.6	ND	97.1	40-140		
Aroclor 1260	90.8	0.870	25.0	"	96.6	ND	94.0	40-140		
Surrogate: TCX	6.91			"	7.73		89.4 %	40-140		
Surrogate: Decachlorobiphenyl	6.74			"	7.73		87.2 %	60-125		

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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
09/01/05 13:32

**Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5H29033: Prepared 08/29/05 Using EPA 3550B**

**Matrix Spike Dup (5H29033-MSD1)**

**Source: B5H0591-01**

Aroclor 1016	90.7	3.48	25.0 ug/kg dry	96.0	ND	94.5	40-140	3.36	35	
Aroclor 1260	88.8	0.870	25.0 "	96.0	ND	92.5	40-140	2.23	35	
Surrogate: TCX	6.78		"	7.68		88.3 %	40-140			
Surrogate: Decachlorobiphenyl	6.60		"	7.68		85.9 %	60-125			

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Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

Reported:  
09/01/05 13:32

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5H30067: Prepared 08/30/05 Using General Preparation**

**Blank (5H30067-BLK1)**

Dry Weight	100	1.00	1.00	%
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Project: Northeast Cape White Alice BDDR Removal  
Project Number: 04-036  
Project Manager: Julie Sharp-Dahl

**Reported:**  
09/01/05 13:32

### Notes and Definitions

U Analyte included in the analysis but not detected.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

North Creek Analytical - Bothell

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**B5H0640****USACE - Alaska****Report Date:**

Project: Northeast Cape White Alice BDDR Re: Project#: 04-036

09/08/05 15:13

**CLIENT SAMPLES****DRAFT: Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers)**

Instrume	Method	Analyzed	FileID	LabNumber	Dil	Batch	Sequence	Calibration	Matrix	Initial	Final
ECD-6	EPA 8082	08/30/05 17:13	H30020.D	B5H0640-01	1	5H29033	5H30041	5080803	Soil	30.2	5
ECD-6	EPA 8082	08/30/05 17:31	H30021.D	B5H0640-02	1	5H29033	5H30041	5080803	Soil	30.4	5

**B5H0640****USACE - Alaska****Report Date:**

Project: Northeast Cape White Alice BDDR Re: Project#: 04-036

09/08/05 15:13

**QC SAMPLES****DRAFT: Polychlorinated Biphenyls by EPA Method 8082 (US Army Corps of Engineers) - QC**

Instrument	Method	Analyzed	FileID	LabNumber	Sequence	Calibration	Matrix	Source
ECD-6	EPA 8082	08/30/05 12:20	H30004.D	5H29033-BLK1	5H30041	5080803	Soil	
ECD-6	EPA 8082	08/30/05 12:38	H30005.D	5H29033-BS1	5H30041	5080803	Soil	
ECD-6	EPA 8082	08/30/05 12:57	H30006.D	5H29033-BSD1	5H30041	5080803	Soil	
ECD-6	EPA 8082	08/30/05 13:15	H30007.D	5H29033-MS1	5H30041	5080803	Soil	B5H0591-01
ECD-6	EPA 8082	08/30/05 13:33	H30008.D	5H29033-MSD1	5H30041	5080803	Soil	B5H0591-01

**EPA 8082**  
**Calibration Verification**

		True Value (µg/L)	Found <sup>1</sup> (µg/L)	%Recovery	Found <sup>2</sup> (µg/L)	%Recovery	Found <sup>3</sup> (µg/L)	%Recovery
<b>Surrogate</b>	<b>TCX</b>	<b>50</b>	<b>50.50</b>	<b>101.0%</b>	<b>51.31</b>	<b>102.6%</b>	<b>51.78</b>	<b>103.6%</b>
<b>Surrogate</b>	<b>DCB</b>	<b>50</b>	<b>52.84</b>	<b>105.7%</b>	<b>53.10</b>	<b>106.2%</b>	<b>53.96</b>	<b>107.9%</b>
<i>Signal 1</i>	1016 (1)	500	522.08	104.4%	524.81	105.0%	548.27	109.7%
<i>Signal 1</i>	1016 (2)	500	512.49	102.5%	525.87	105.2%	533.66	106.7%
<i>Signal 1</i>	1016 (3)	500	518.24	103.6%	532.95	106.6%	544.35	108.9%
<i>Signal 1</i>	1016 (4)	500	529.87	106.0%	548.06	109.6%	562.64	112.5%
<i>Signal 1</i>	1016 (5)	500	555.94	111.2%	528.01	105.6%	531.04	106.2%
<b>Signal 1</b>	<b>1016 (Mean)</b>	<b>500</b>	<b>527.72</b>	<b>105.5%</b>	<b>531.94</b>	<b>106.4%</b>	<b>543.99</b>	<b>108.8%</b>
<i>Signal 1</i>	1260 (1)	500	513.62	102.7%	532.30	106.5%	554.50	110.9%
<i>Signal 1</i>	1260 (2)	500	493.89	98.8%	511.29	102.3%	528.49	105.7%
<i>Signal 1</i>	1260 (3)	500	503.90	100.8%	519.02	103.8%	532.17	106.4%
<i>Signal 1</i>	1260 (4)	500	511.70	102.3%	527.95	105.6%	539.98	108.0%
<i>Signal 1</i>	1260 (5)	500	571.48	114.3%	543.47	108.7%	561.49	112.3%
<b>Signal 1</b>	<b>1260 (Mean)</b>	<b>500</b>	<b>518.92</b>	<b>103.8%</b>	<b>526.81</b>	<b>105.4%</b>	<b>543.32</b>	<b>108.7%</b>

<b>Surrogate</b>	<b>TCX</b>	<b>50</b>	<b>49.87</b>	<b>99.7%</b>	<b>49.85</b>	<b>99.7%</b>	<b>49.99</b>	<b>100.0%</b>
<b>Surrogate</b>	<b>DCB</b>	<b>50</b>	<b>44.33</b>	<b>88.7%</b>	<b>44.63</b>	<b>89.3%</b>	<b>46.45</b>	<b>92.9%</b>
<i>Signal 2</i>	1016 (1)	500	505.76	101.2%	493.02	98.6%	489.38	97.9%
<i>Signal 2</i>	1016 (2)	500	495.29	99.1%	494.71	98.9%	495.56	99.1%
<i>Signal 2</i>	1016 (3)	500	504.61	100.9%	503.69	100.7%	502.65	100.5%
<i>Signal 2</i>	1016 (4)	500	499.87	100.0%	501.64	100.3%	519.45	103.9%
<i>Signal 2</i>	1016 (5)	500	496.30	99.3%	499.66	99.9%	508.65	101.7%
<b>Signal 2</b>	<b>1016 (Mean)</b>	<b>500</b>	<b>500.37</b>	<b>100.1%</b>	<b>498.55</b>	<b>99.7%</b>	<b>503.14</b>	<b>100.6%</b>
<i>Signal 2</i>	1260 (1)	500	505.07	101.0%	504.13	100.8%	520.79	104.2%
<i>Signal 2</i>	1260 (2)	500	493.04	98.6%	490.07	98.0%	503.10	100.6%
<i>Signal 2</i>	1260 (3)	500	486.38	97.3%	478.53	95.7%	495.39	99.1%
<i>Signal 2</i>	1260 (4)	500	482.19	96.4%	479.56	95.9%	484.67	96.9%
<i>Signal 2</i>	1260 (5)	500	470.44	94.1%	466.98	93.4%	481.28	96.3%
<b>Signal 2</b>	<b>1260 (Mean)</b>	<b>500</b>	<b>487.42</b>	<b>97.5%</b>	<b>483.85</b>	<b>96.8%</b>	<b>497.05</b>	<b>99.4%</b>

<sup>1</sup> 8/30/05 11:47    <sup>2</sup> 8/30/05 15:41    <sup>3</sup> 8/30/05 18:26

**Acceptance Criteria:**  
**TCX and DCB - 85 to 115%**  
**Aroclors 1016 and 1260 - 85 to 115%**

Analysis Date: 8-30-05 Analyst: CLMInstrument ID: EQD-6Method: 8082

Review Item	Yes	No	NA
Review prep bench sheet. Is it complete and were the samples properly batched? (Note exceptions on reverse side)	/		
<b>Continuing Calibration Verification (Note any exceptions on reverse side)</b>			
Is there a breakdown check for Pesticides every 12 hours?			/
In the breakdown check, is the breakdown $\leq 15\%$ for endrin and DDT on both columns?			/
Is the %R 85-115 or %D $\leq 15$ for each analyte on both columns and for each CCV in the sequence?	/		
Have CCVs been analyzed at least every 20 injections and at the end of the sequence?	/		
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	/		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	/		
Did the analyst initial and date the MIs?	/		
<b>Method Blank (Note any exceptions on reverse side)</b>			
Is the method blank free of any positive results (< one-half the MRL)?	/		
If not, is the blank <5% of sample results or are all associated samples non-detect for the affected analyte?	/		
Are the reporting limits correctly adjusted for amount extracted?	/		
Are the surrogate %Rs correctly calculated and within the control limits?	/		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	/		
Did the analyst initial and date the MIs?	/		
Review chromatography. Is the baseline correctly drawn?	/		
<b>Sample Results (Note any exceptions on reverse side)</b>			
Were the samples extracted and analyzed within holding time?	/		
Are the reported results correctly calculated? Check dilution factors, amount extracted & extract volume.	/		
Are dilution factors correctly documented on the raw data?	/		
Do the results from multiple analyses (dilutions included) of the same sample agree within reasonable limits?	/		
Do the results in Element match those from the quant report?	/		
Are the analyte peaks within the calculated RRT windows?	/		
Are all reported quantitated values within the linear range or qualified with an "E"?	/		
Are all positive results confirmed and P flagged as needed?	/		
Are the results correctly qualified, i.e., P, B, J, E?	/		
Are the surrogate %Rs correctly calculated and within the control limits?	/		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	/		
Did the analyst initial and date the MIs?	/		
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	/		
<b>BS/BSD/MS/MSD (Note any exceptions on reverse side)</b>			
Review chromatography. Are the compounds properly identified and are the baselines correctly drawn?	/		
Are the sample and spiked results correctly calculated?	/		
Are the %Rs and RPDs correctly calculated and within control limits?	/		
Are the surrogate %Rs correctly calculated and within control limits?	/		
If manually integrated, are they justifiable and are before & after hardcopies of the chros included with the data?	/		
Did the analyst initial and date the MIs?	/		
Is a MintMiner report present?	/		
Were any trends identified in your review of the associated control chart?	/		
Are the results correctly qualified?	/		
Does the NCR accurately describe all non-compliant issues and the actions taken?	/		

Comments: \_\_\_\_\_

I certify that this analytical batch meets all the requirements set forth in the appropriate SOPs with the exceptions noted above.

Analyst Signature: CLMDate: 8-31-05

I certify that this analytical batch has been thoroughly reviewed and all reportable results meet the requirements set forth in the appropriate SOPs with the exceptions noted above.

Reviewer Signature: belDate: 08/31/05

# Injection Log

Directory: g:\msdchem\2\data\083005

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	96	h30001.d	0.	5H30041-IBL1	1x	30 Aug 05 11:11
2	96	h30002.d	0.	5H30041-IBL2	1x	30 Aug 05 11:28
3	100	h30003.d	0.	5H30041-CCV1 <i>OK</i>	1x 5080100 500ug/L	30 Aug 05 11:47
4	1	h30004.d	0.	5H29033-BLK1	1x	30 Aug 05 12:20
5	2	h30005.d	0.	5H29033-BS1	1x	30 Aug 05 12:38
6	3	h30006.d	0.	5H29033-BSD1	1x	30 Aug 05 12:57
7	4	h30007.d	0.	5H29033-MS1	1x	30 Aug 05 13:18
8	5	h30008.d	0.	5H29033-MSD1	1x	30 Aug 05 13:38
9	6	h30009.d	0.	B5H0591-01	1x	30 Aug 05 13:52
10	7	h30010.d	0.	B5H0591-02	1x	30 Aug 05 14:10
11	8	h30011.d	0.	B5H0591-03	1x	30 Aug 05 14:28
12	9	h30012.d	0.	B5H0591-04	1x	30 Aug 05 14:47
13	10	h30013.d	0.	B5H0591-05	1x	30 Aug 05 15:05
14	100	h30014.d	0.	5H30041-CCV2	1x 5080100 500ug/L	30 Aug 05 15:23
15	100	h30015.d	0.	5H30041-CCV3 <i>OK</i>	1x 5080100 500ug/L	30 Aug 05 15:41
16	11	h30016.d	0.	B5H0591-06	1x	30 Aug 05 16:00
17	12	h30017.d	0.	B5H0591-07	1x	30 Aug 05 16:18
18	13	h30018.d	0.	B5H0591-08	1x	30 Aug 05 16:36
19	14	h30019.d	0.	B5H0591-09	1x	30 Aug 05 16:54
20	15	h30020.d	0.	B5H0640-01	1x	30 Aug 05 17:13
21	16	h30021.d	0.	B5H0640-02	1x	30 Aug 05 17:31
22	17	h30022.d	0.	B5H0558-10	1x	30 Aug 05 17:49
23	100	h30023.d	0.	5H30041-CCV4	1x 5080100 500ug/L	30 Aug 05 18:07
24	100	h30024.d	0.	5H30041-CCV5 <i>OK</i>	1x 5080100 500ug/L	30 Aug 05 18:26
25	99	h30025.d	0.	5H30041-IBL3	1x	30 Aug 05 18:44
26	99	h30026.d	0.	5H30041-IBL4	1x	31 Aug 05 00:44

*can 8.31.05*  
*Hex 101-#050139*

Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30003.D

Acq On : 30 Aug 2005 11:47

Sample : 5H30041-CCV1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:11:44 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

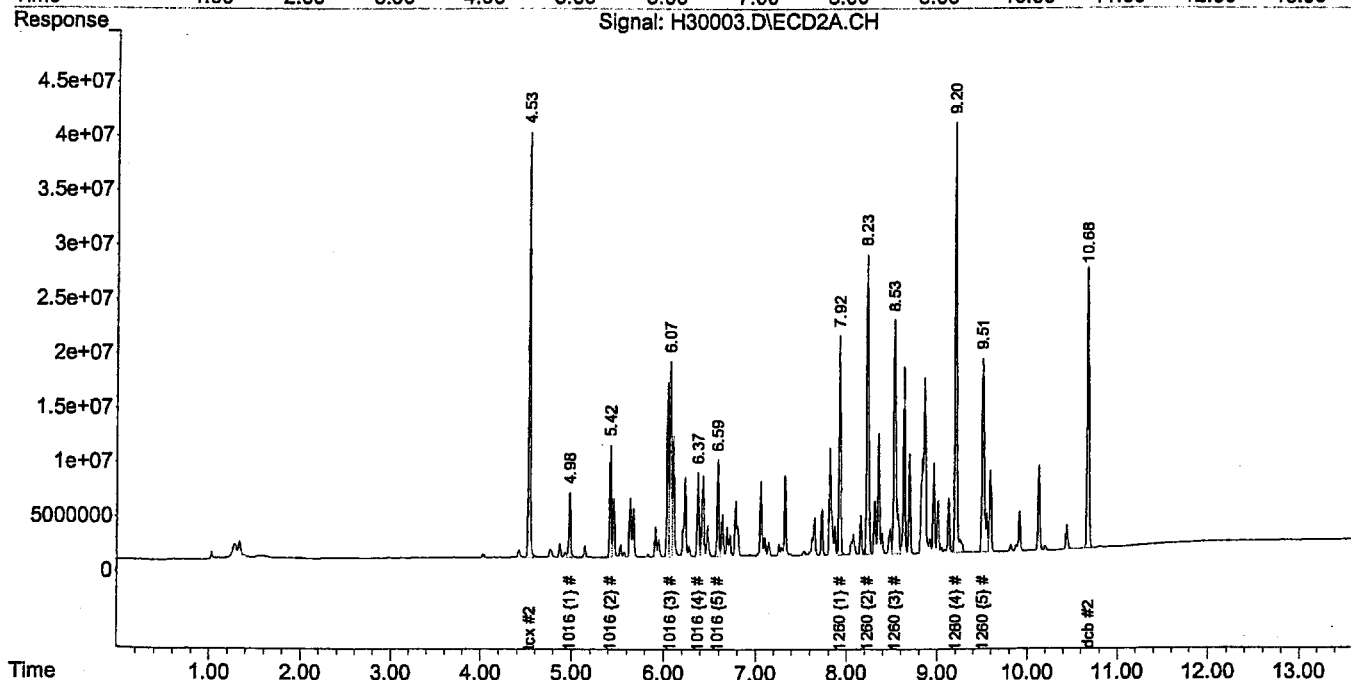
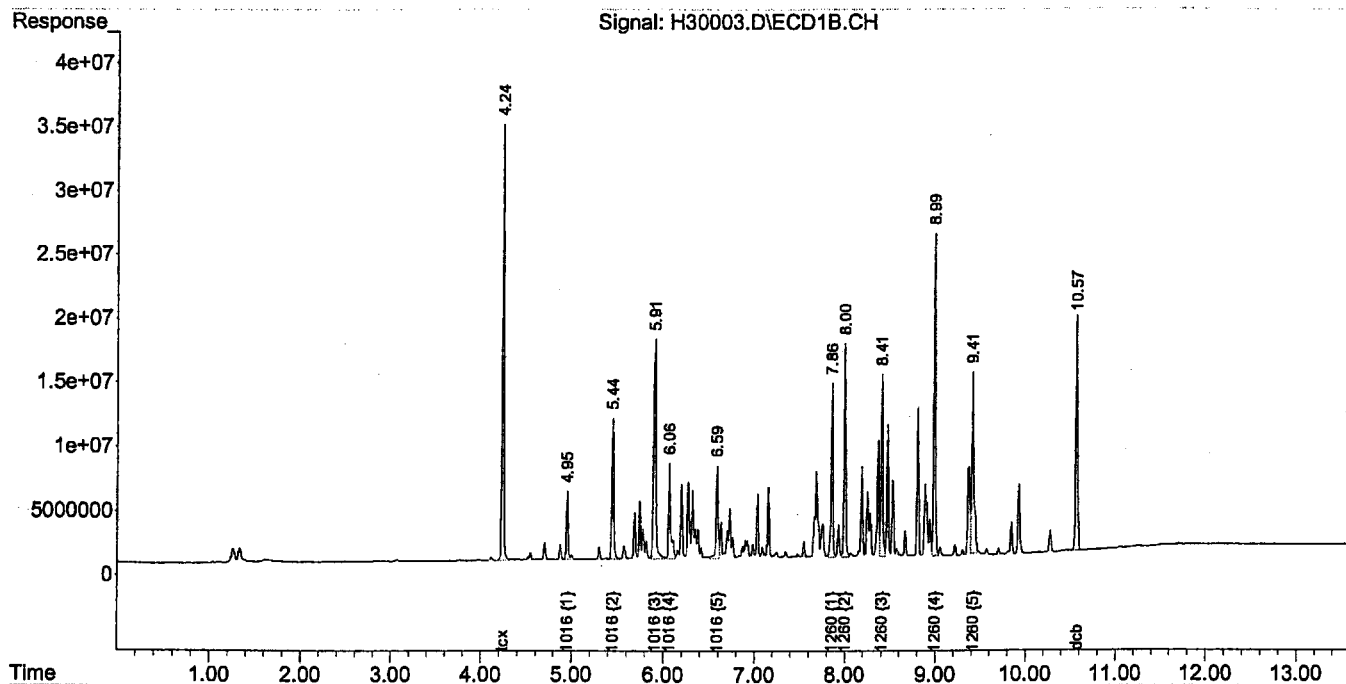
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30003.D

Acq On : 30 Aug 2005 11:47

Sample : 5H30041-CCV1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 05:59:54 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

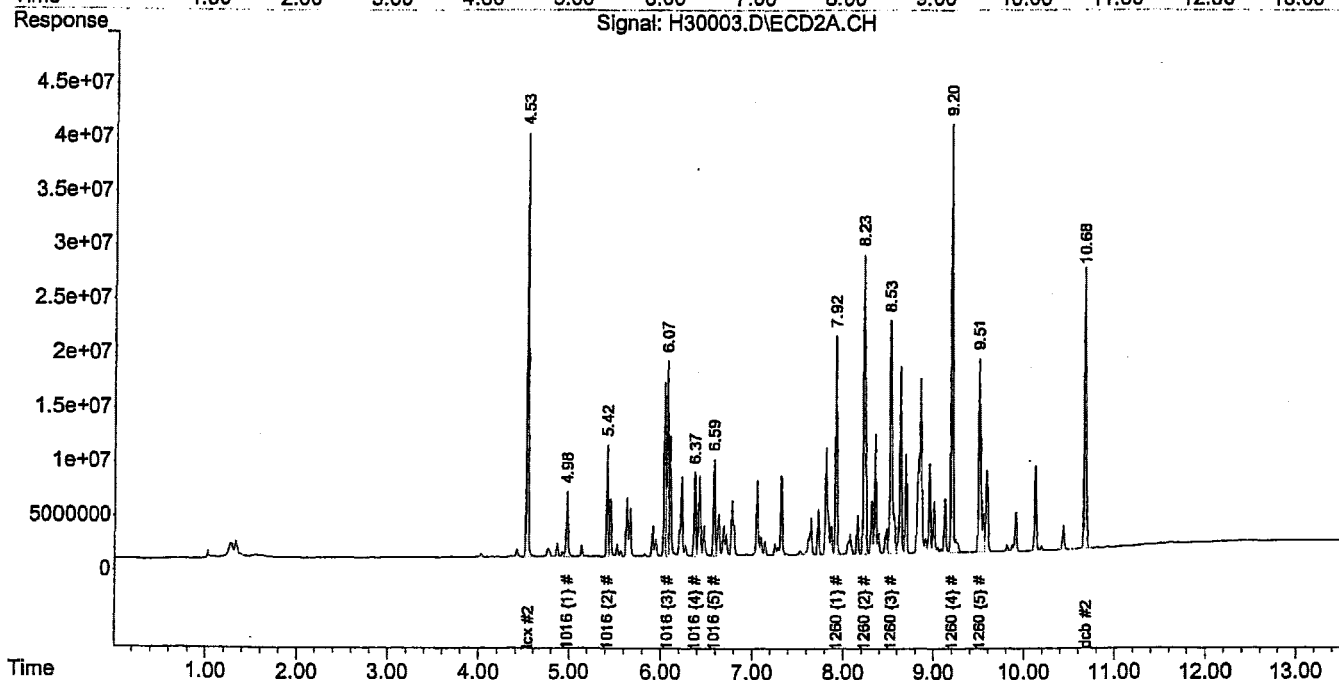
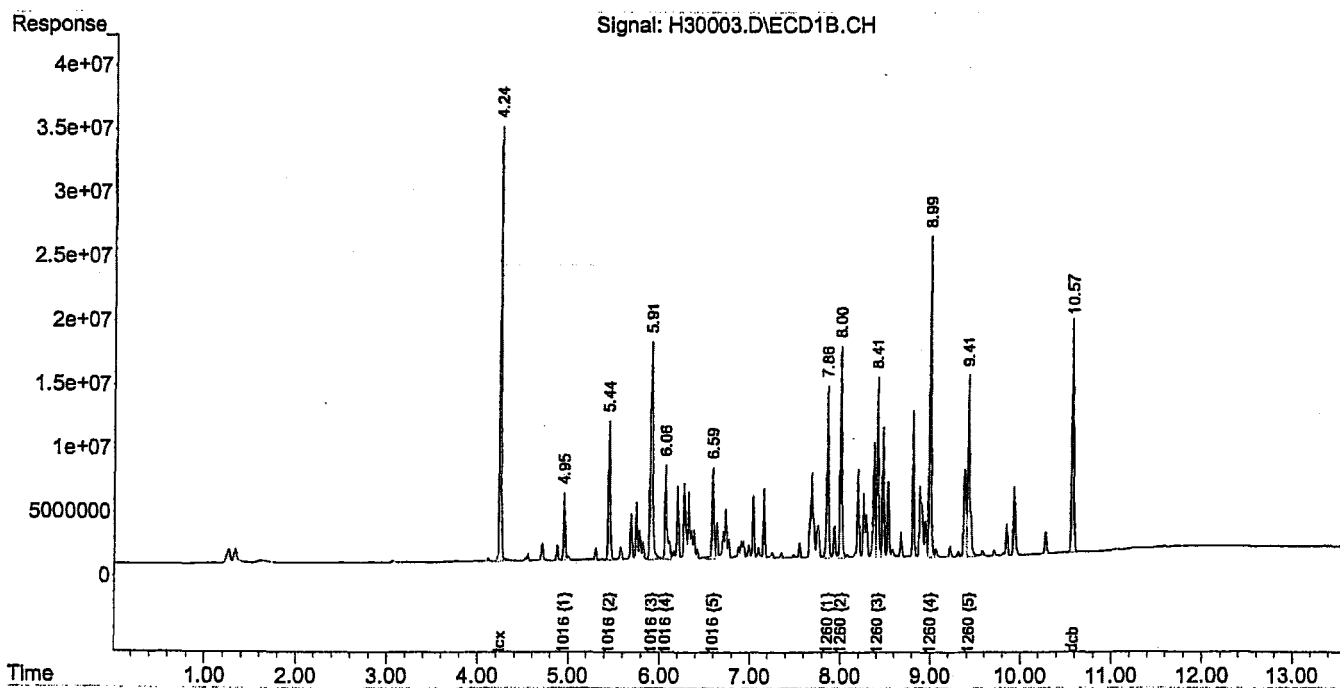
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30004.D

Acq On : 30 Aug 2005 12:20

Sample : 5H29033-BLK1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:27:58 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

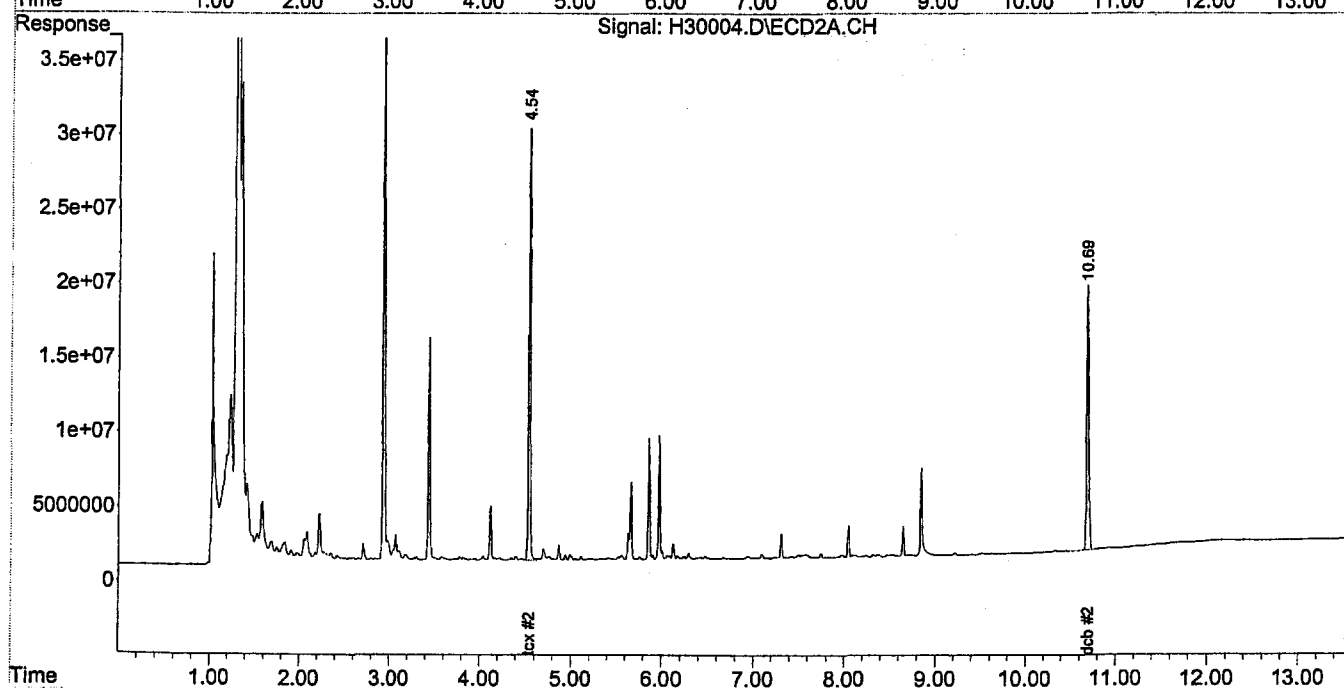
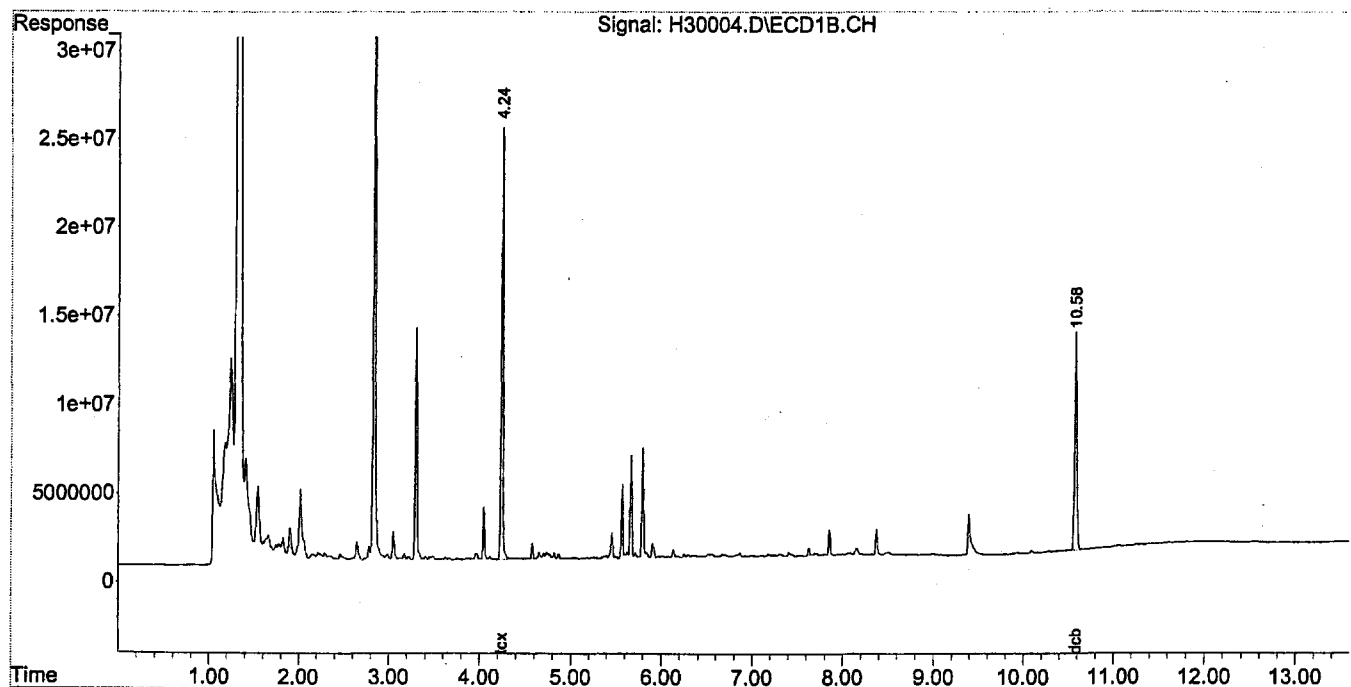
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30004.D

Acq On : 30 Aug 2005 12:20

Sample : 5H29033-BLK1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:04 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

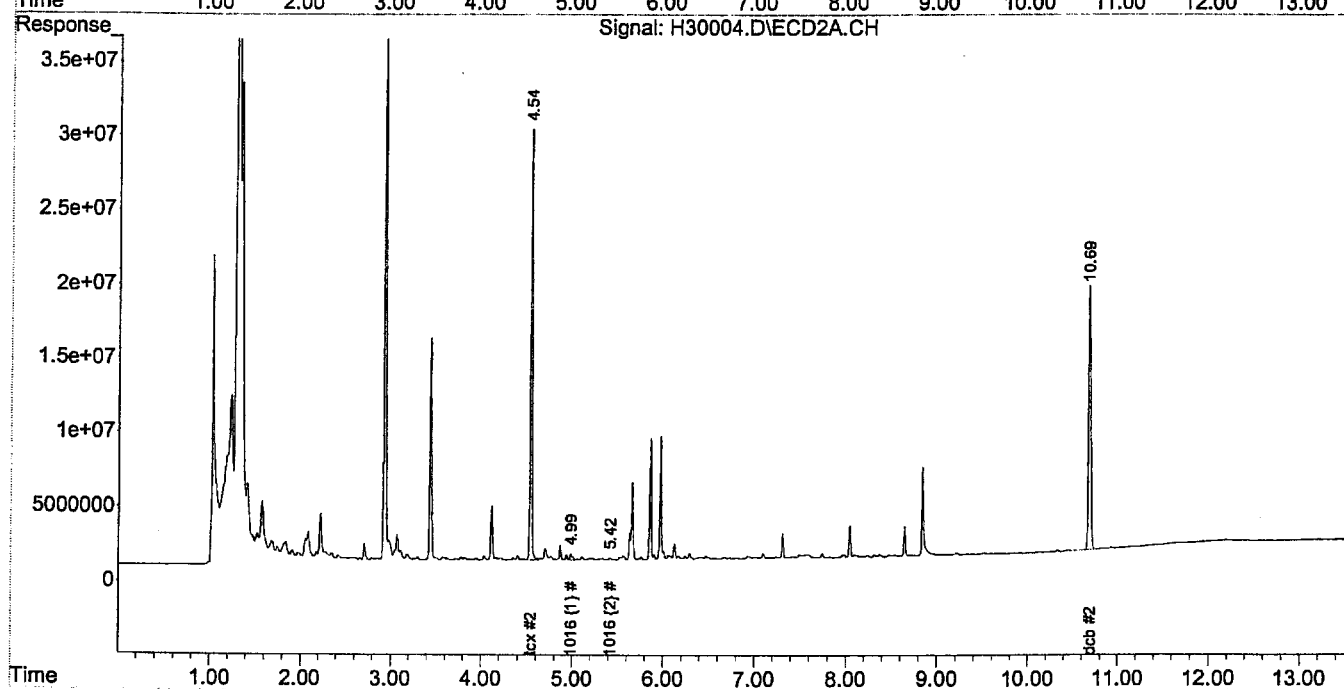
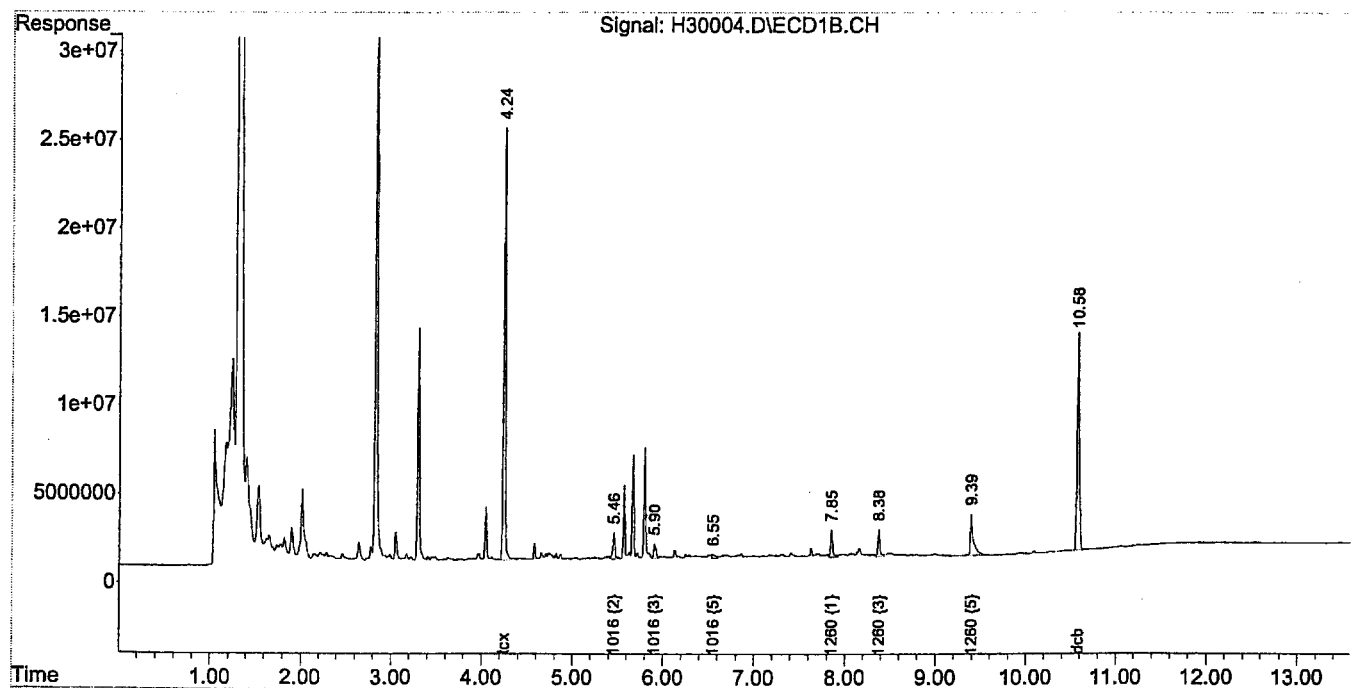
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30005.D

Acq On : 30 Aug 2005 12:38

Sample : 5H29033-BS1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:28:39 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

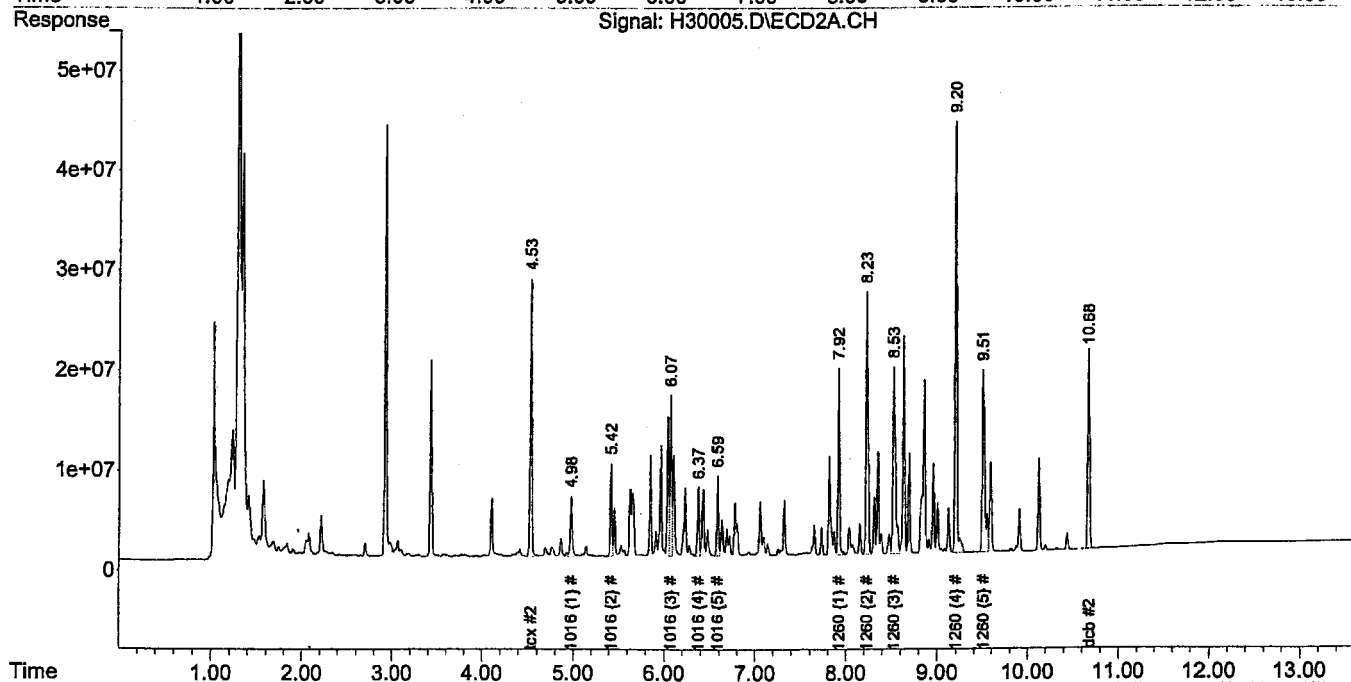
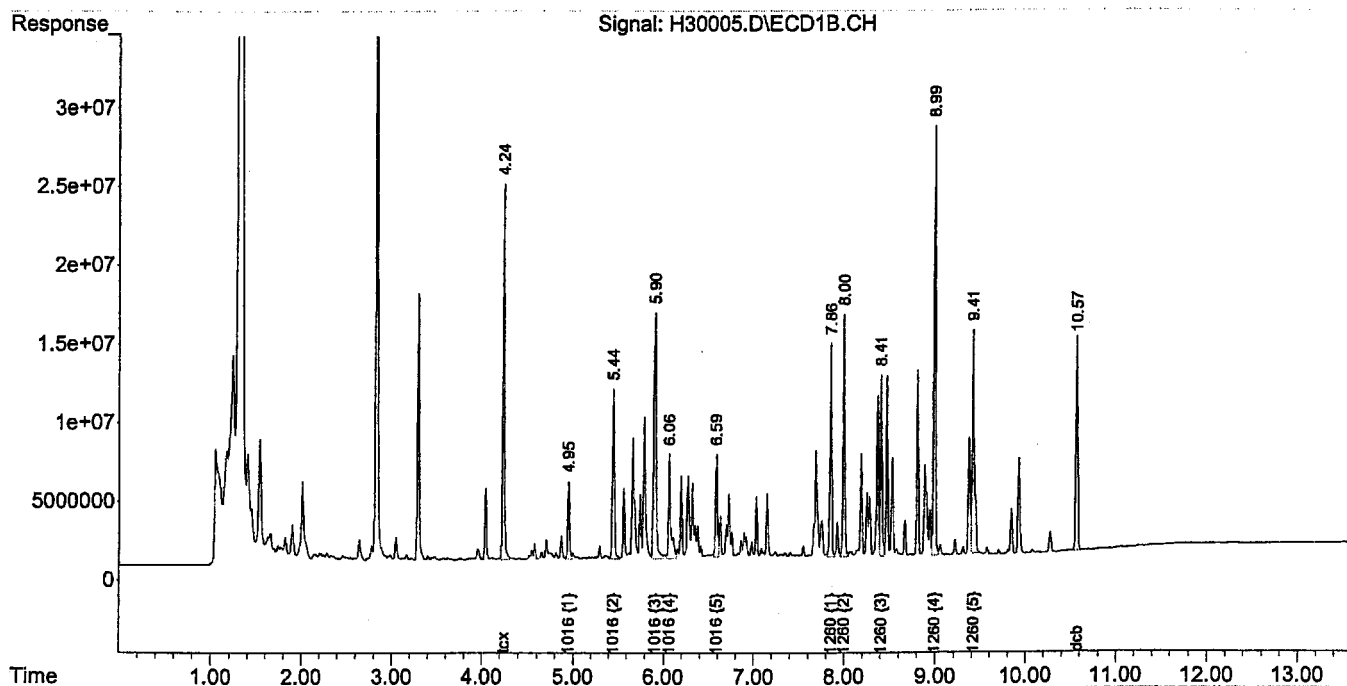
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30005.D

Acq On : 30 Aug 2005 12:38

Sample : 5H29033-BS1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:14 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

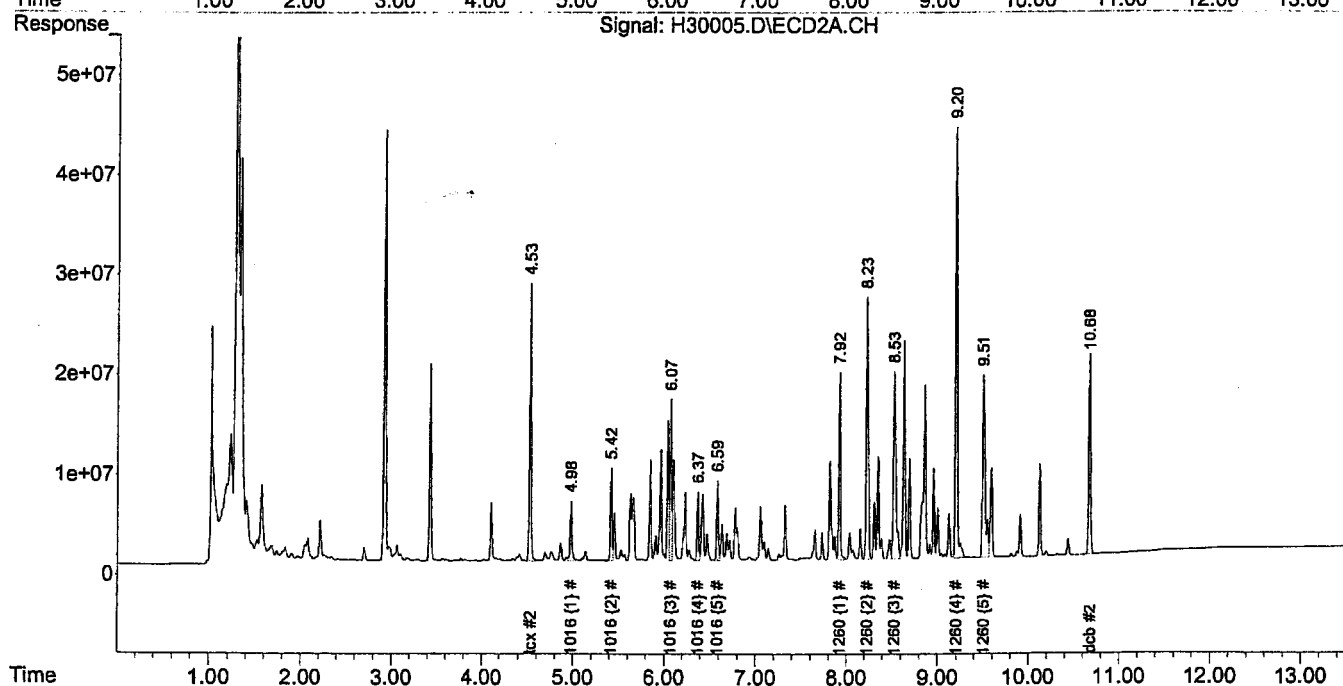
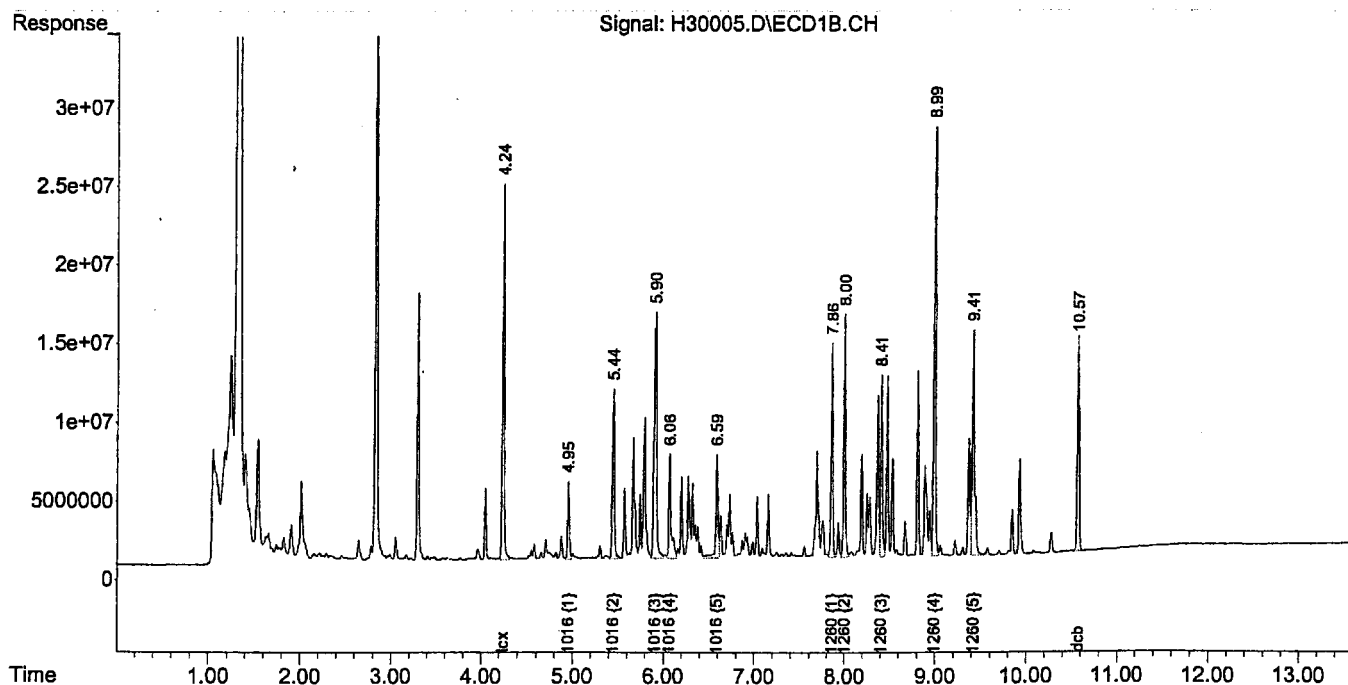
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30006.D

Acq On : 30 Aug 2005 12:57

Sample : 5H29033-BSD1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:29:06 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

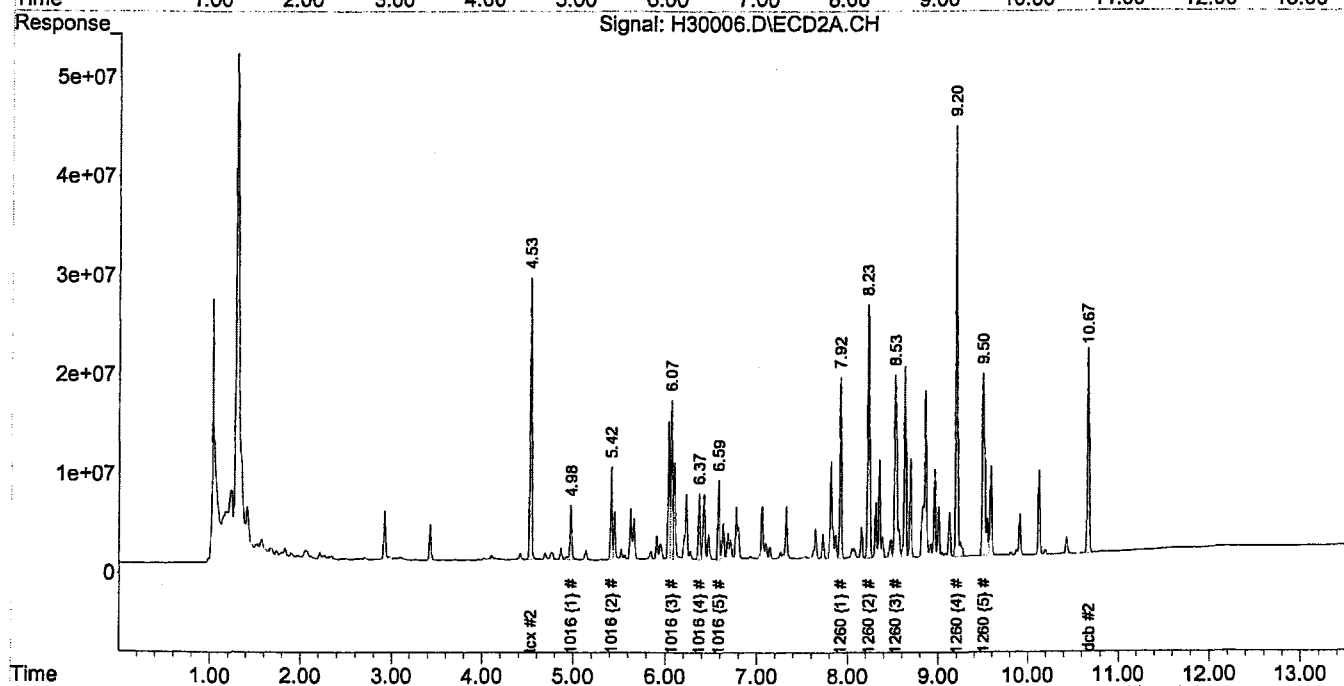
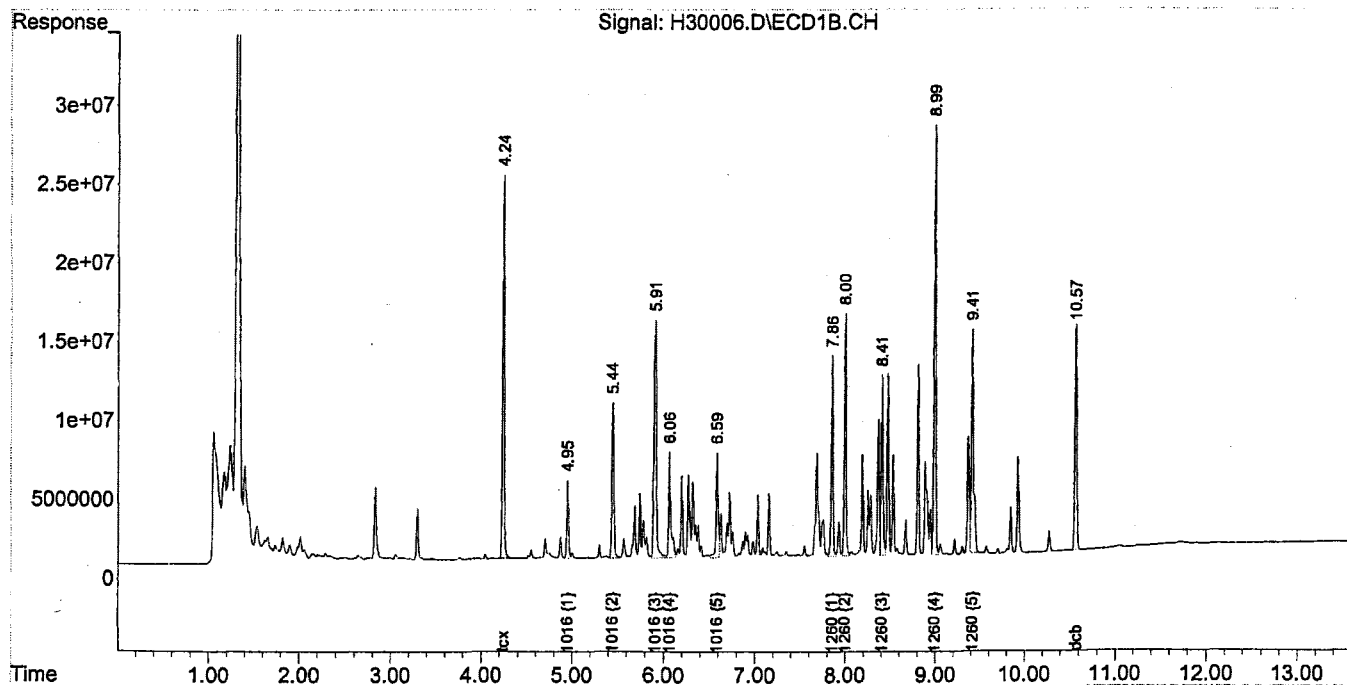
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30006.D

Acq On : 30 Aug 2005 12:57

Sample : 5H29033-BSD1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:24 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

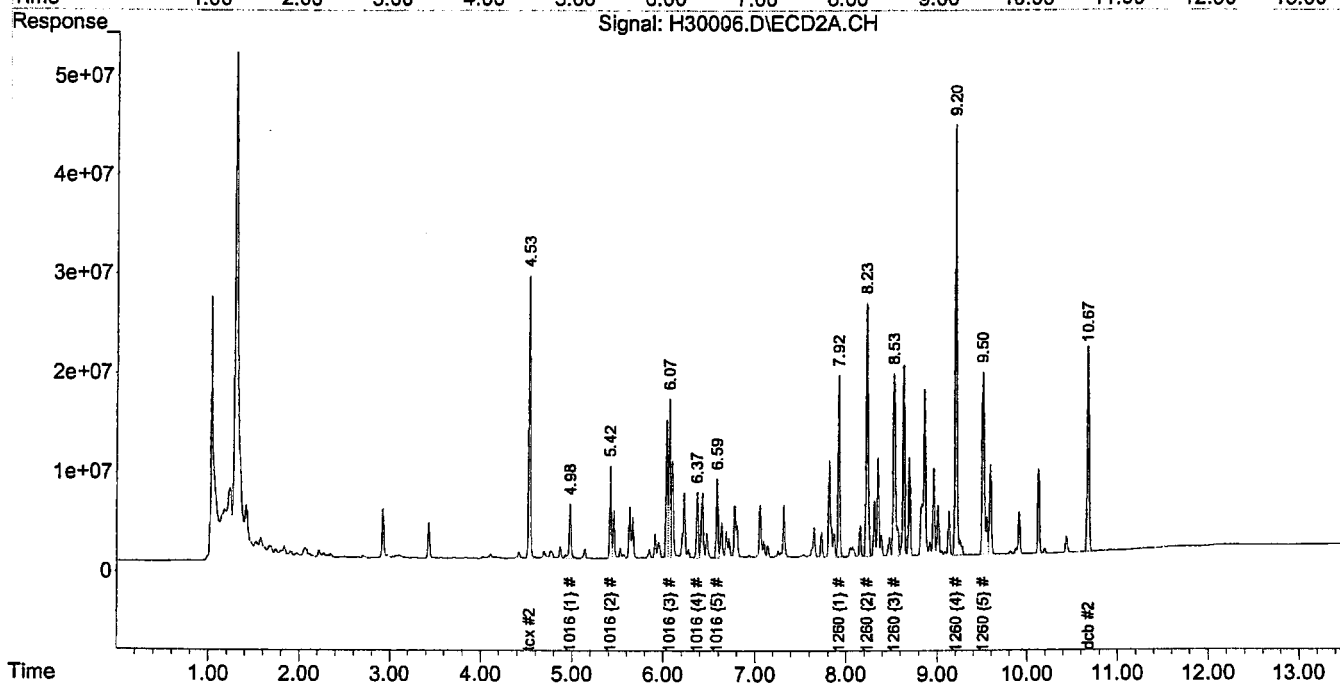
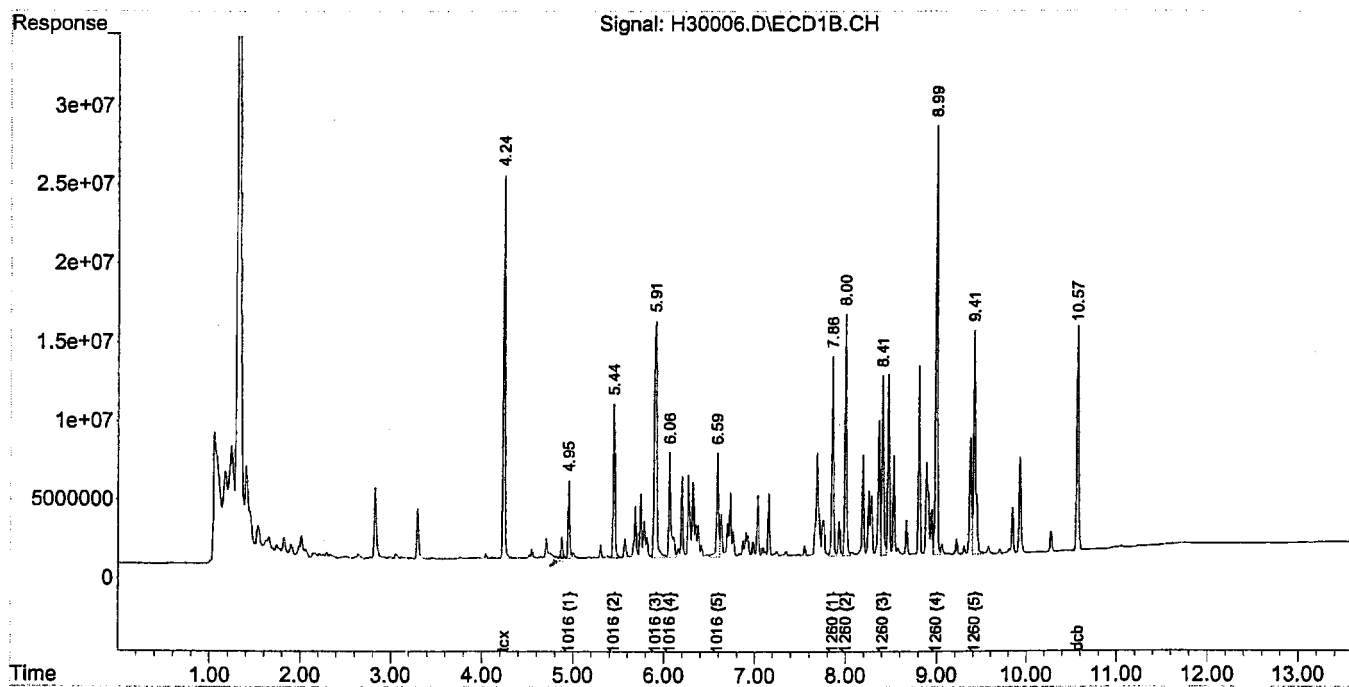
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30007.D

Acq On : 30 Aug 2005 13:15

Sample : 5H29033-MS1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:29:35 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

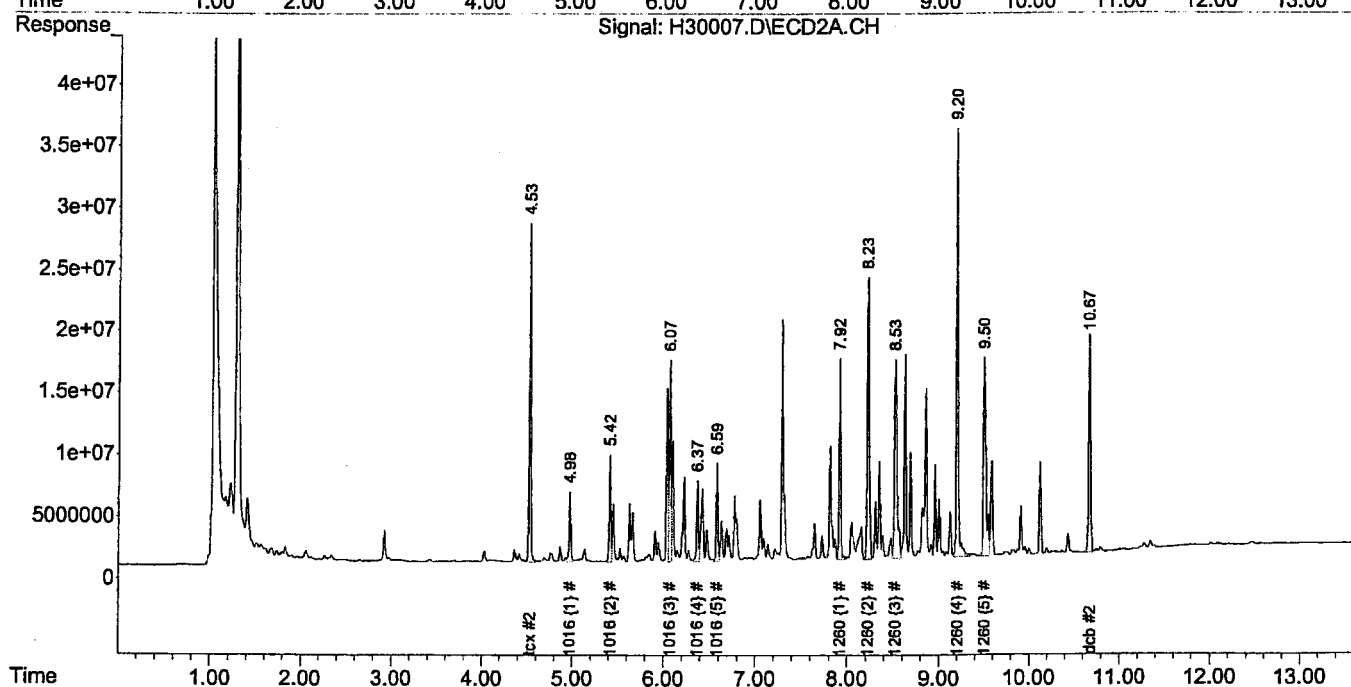
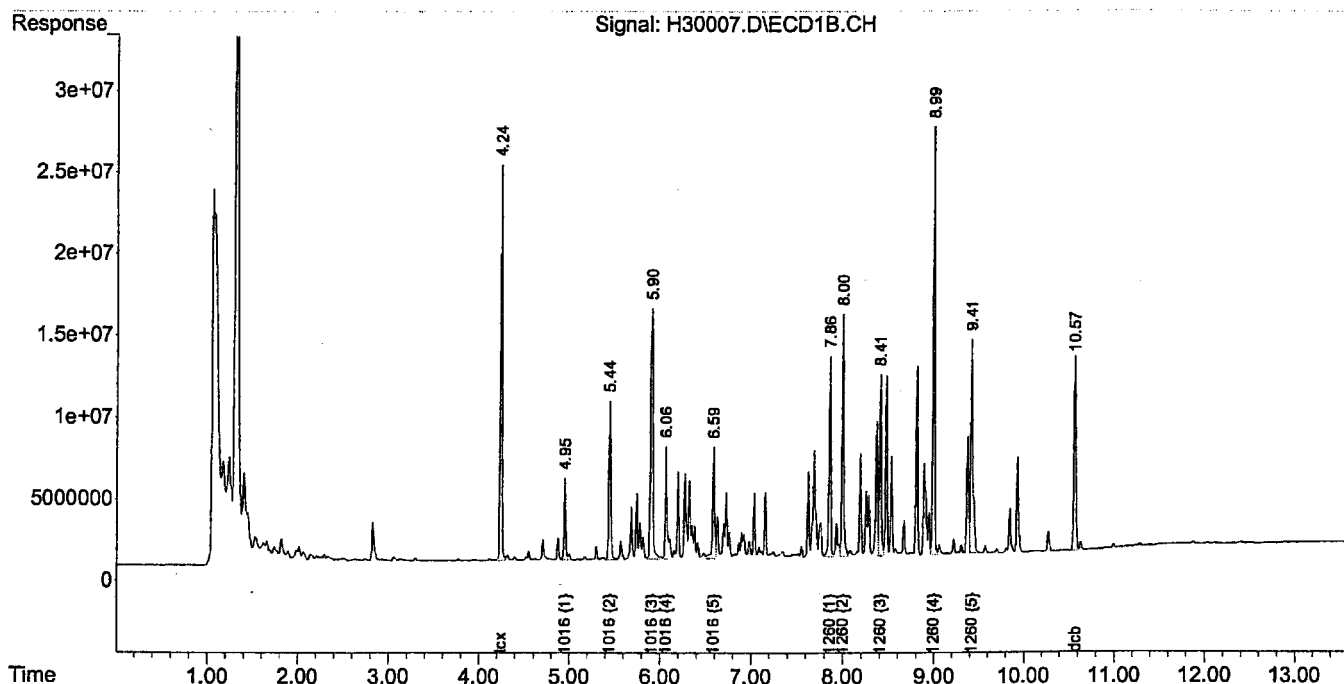
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30007.D

Acq On : 30 Aug 2005 13:15

Sample : 5H29033-MS1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:34 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

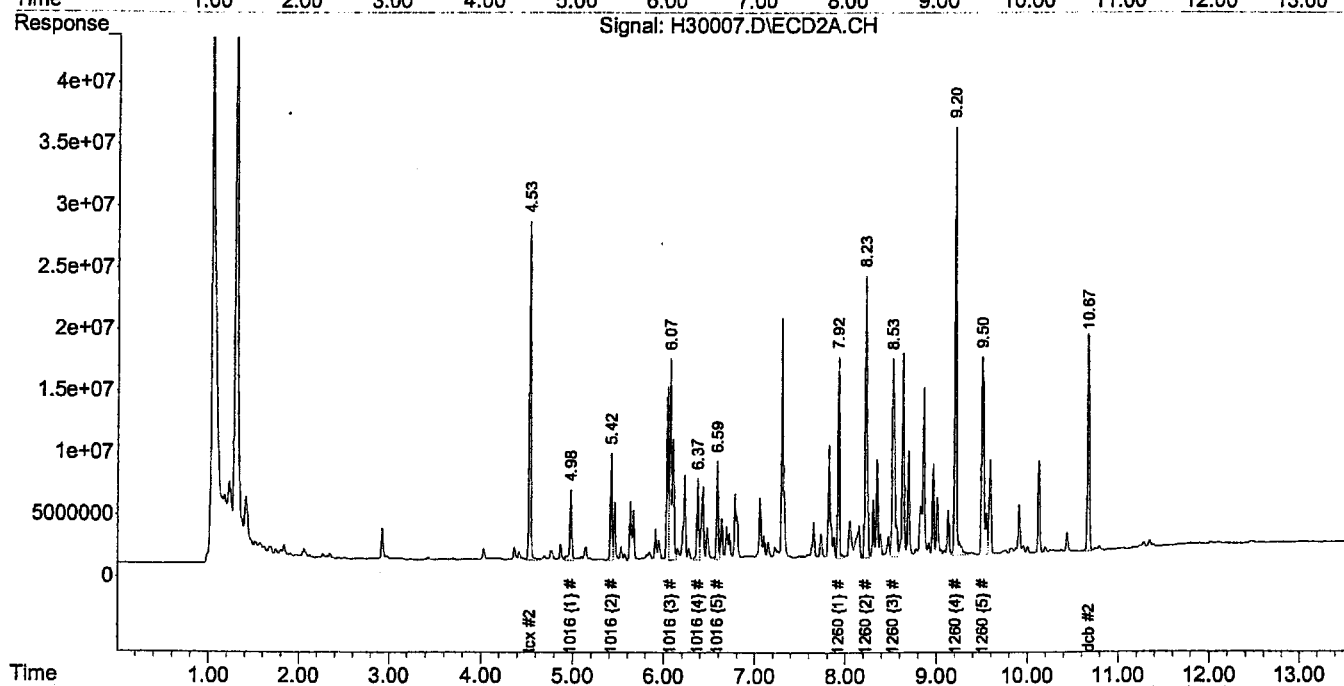
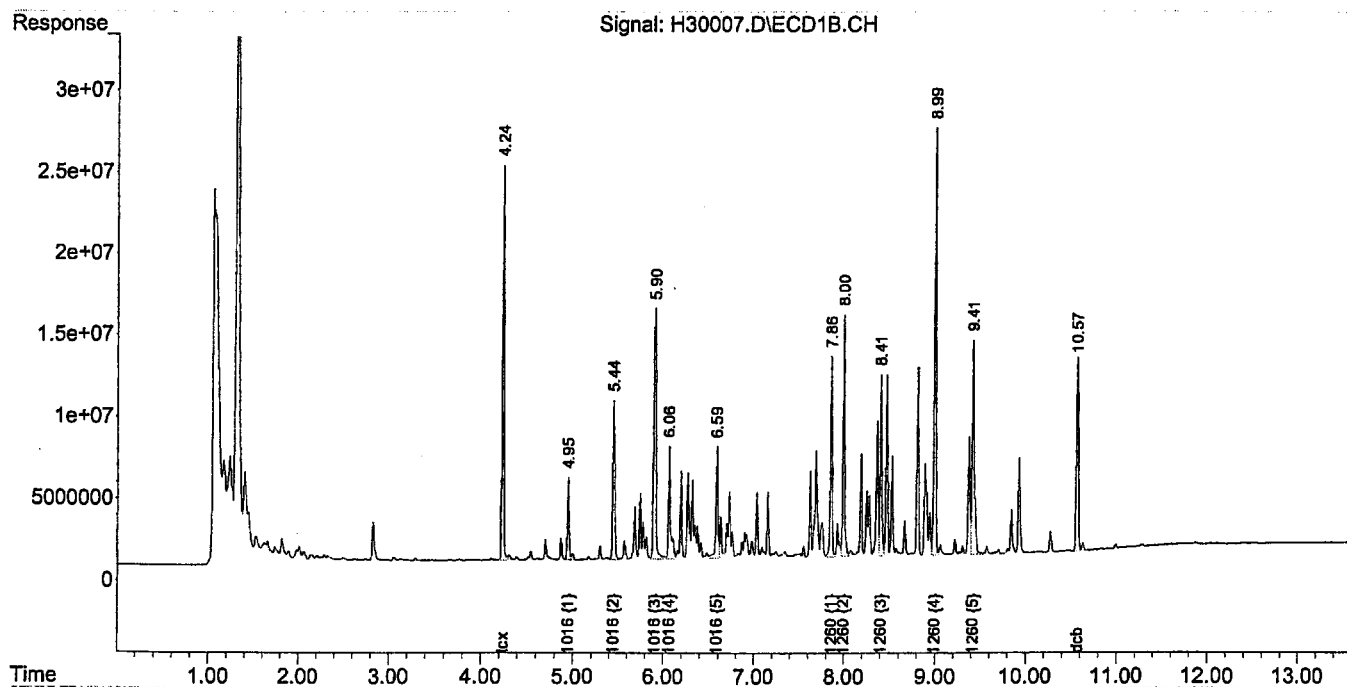
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30008.D

Acq On : 30 Aug 2005 13:33

Sample : 5H29033-MSD1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:29:54 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

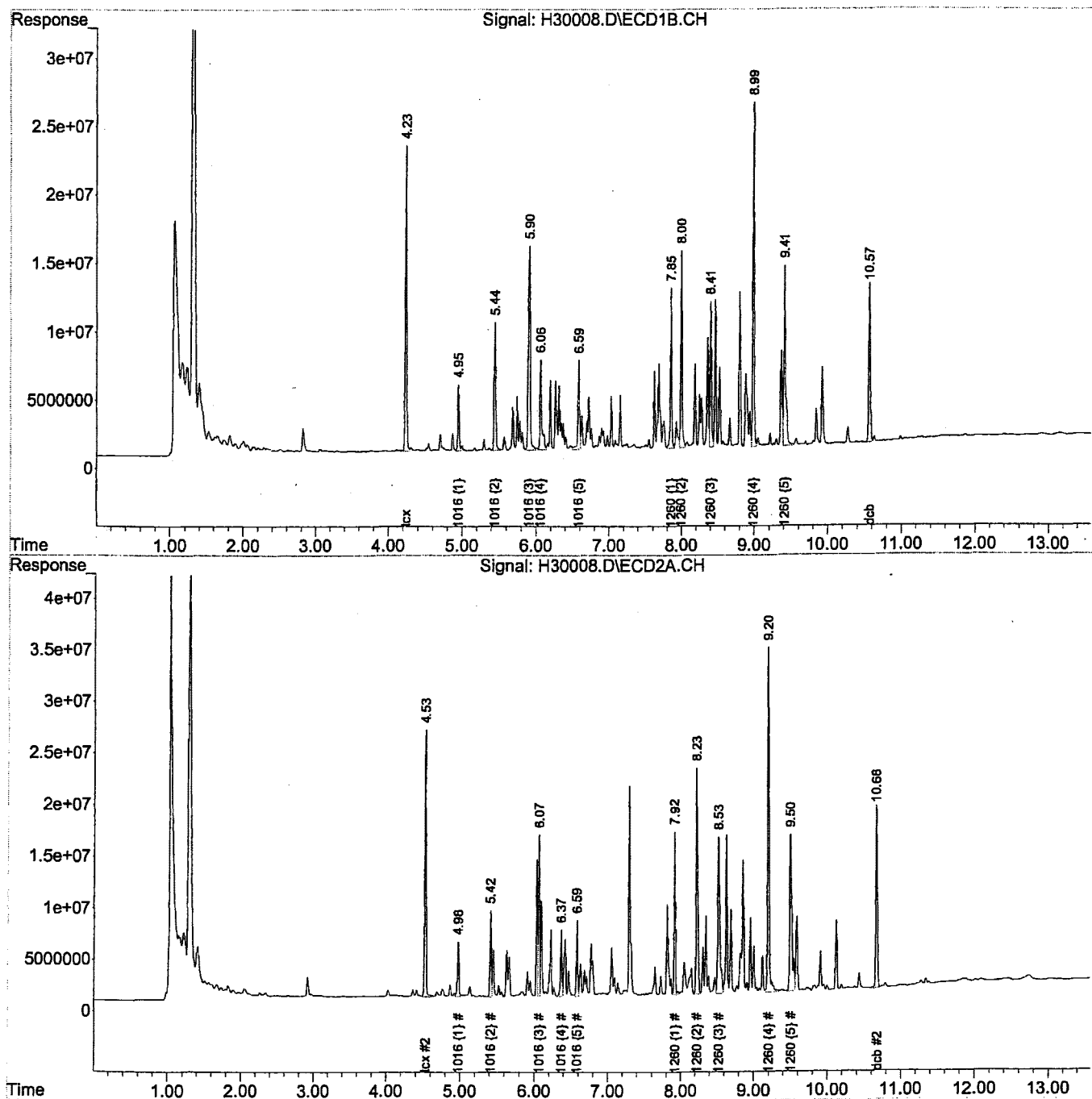
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30008.D

Acq On : 30 Aug 2005 13:33

Sample : 5H29033-MSD1

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:44 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

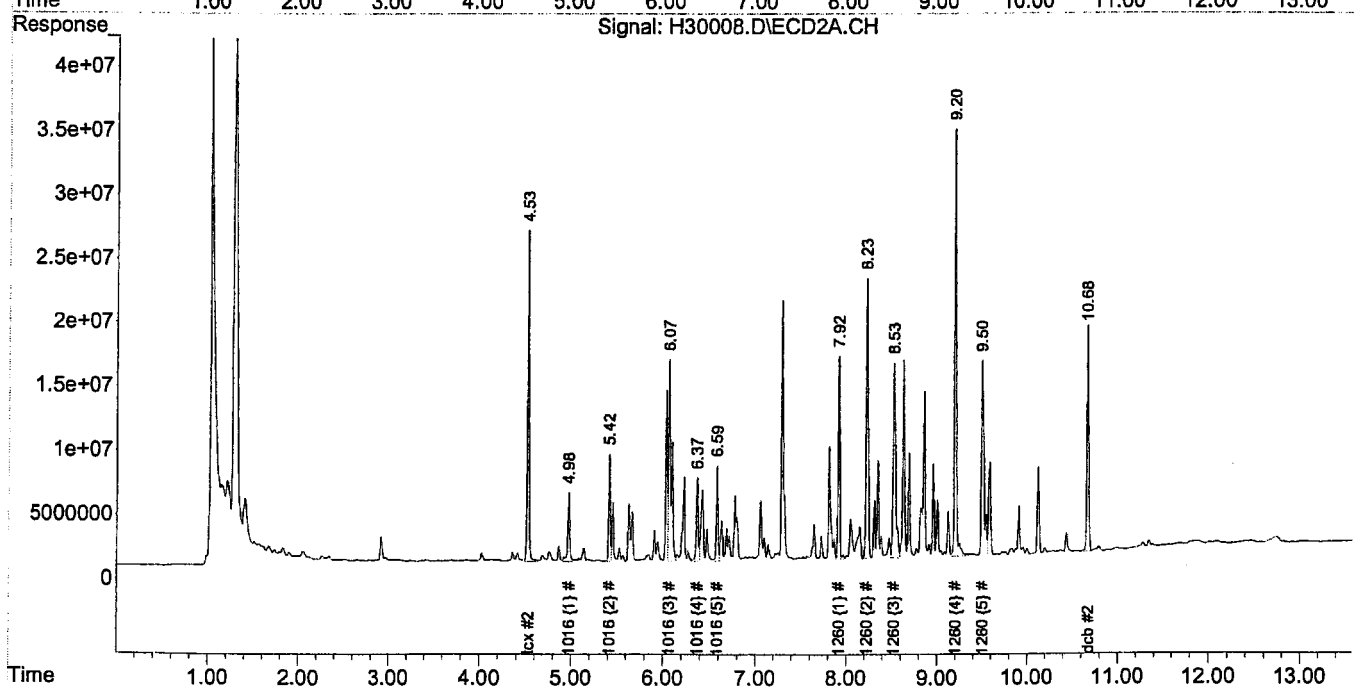
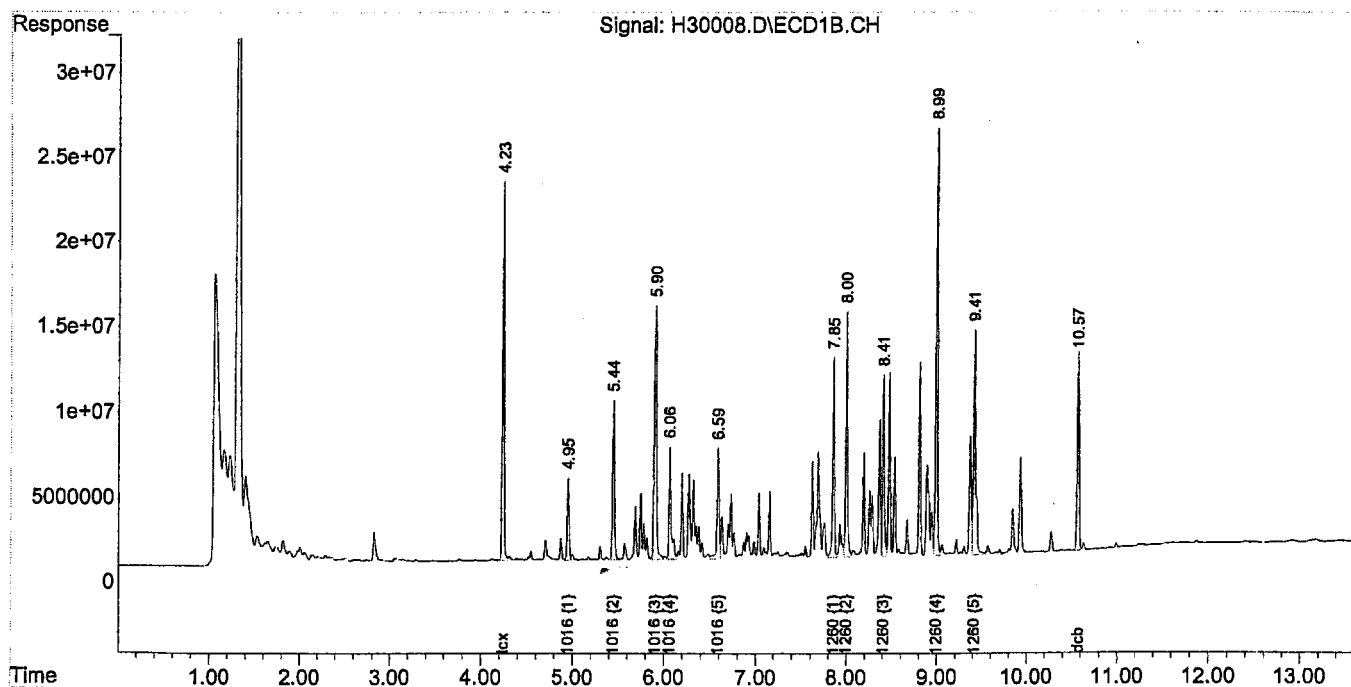
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30009.D

Acq On : 30 Aug 2005 13:52

Sample : B5H0591-01

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:30:25 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

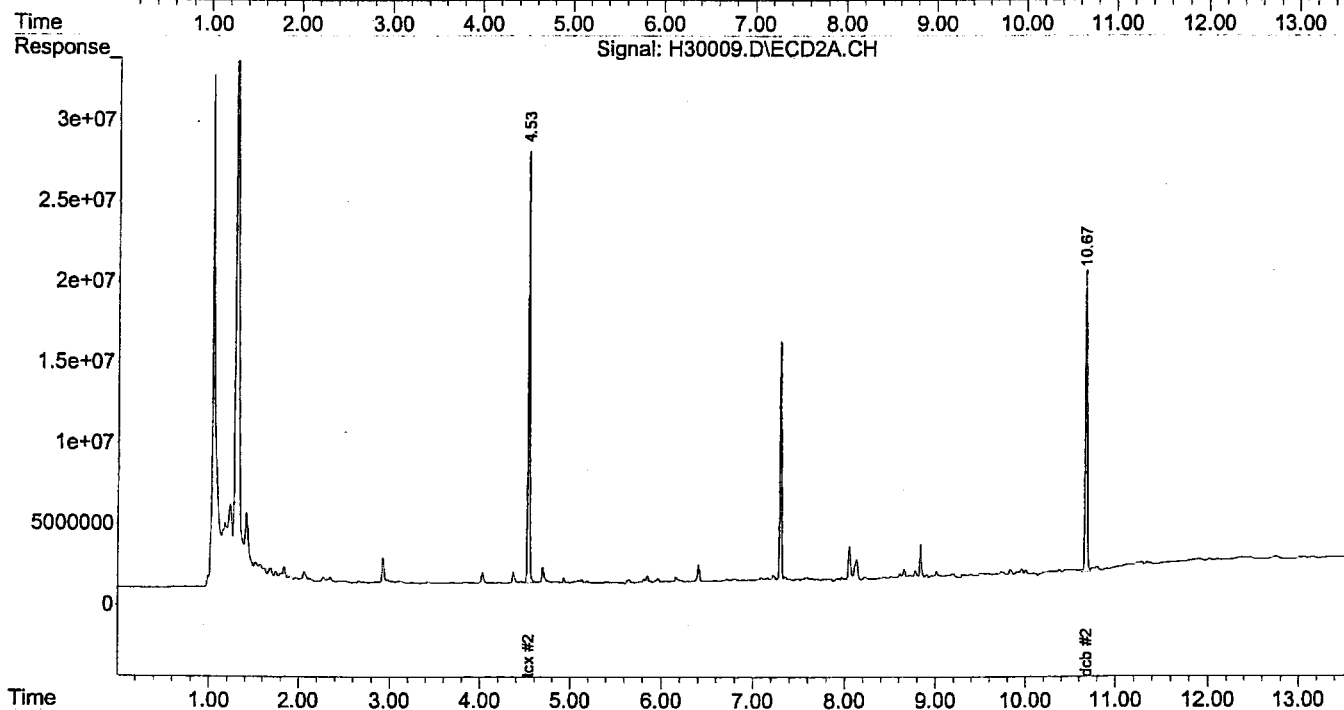
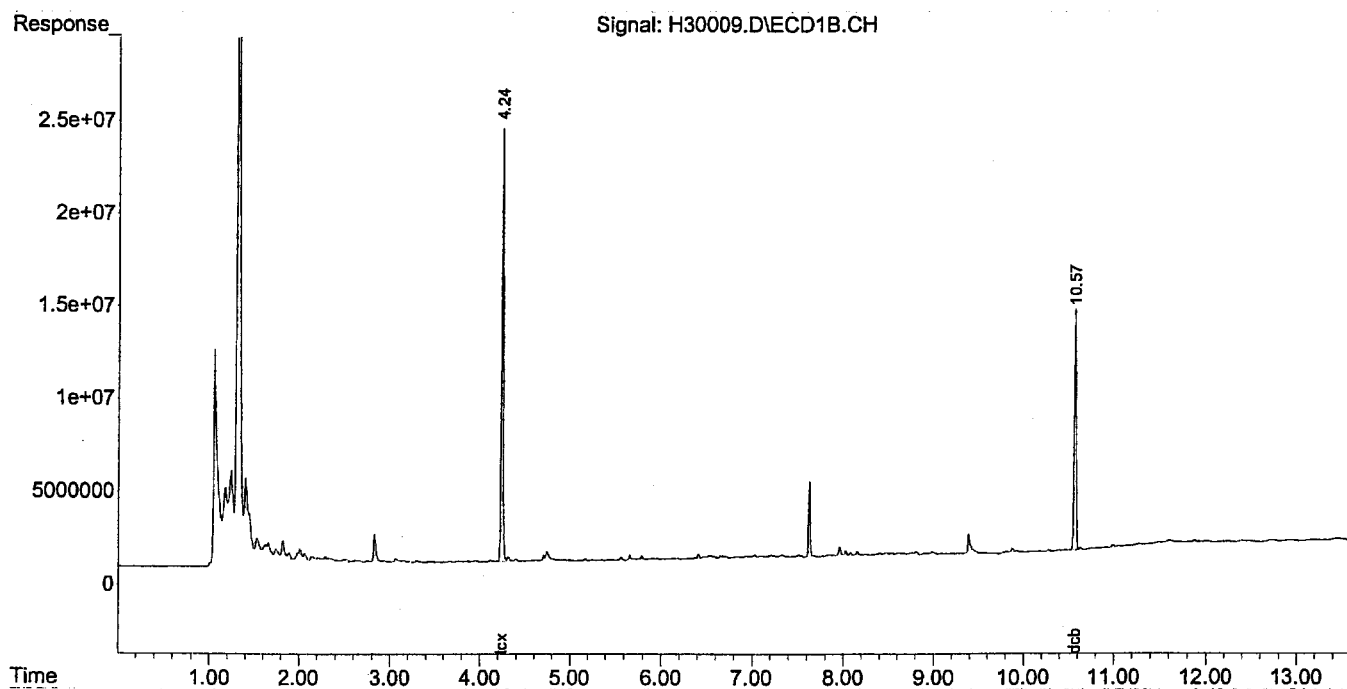
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30009.D

Acq On : 30 Aug 2005 13:52

Sample : B5H0591-01

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:00:54 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

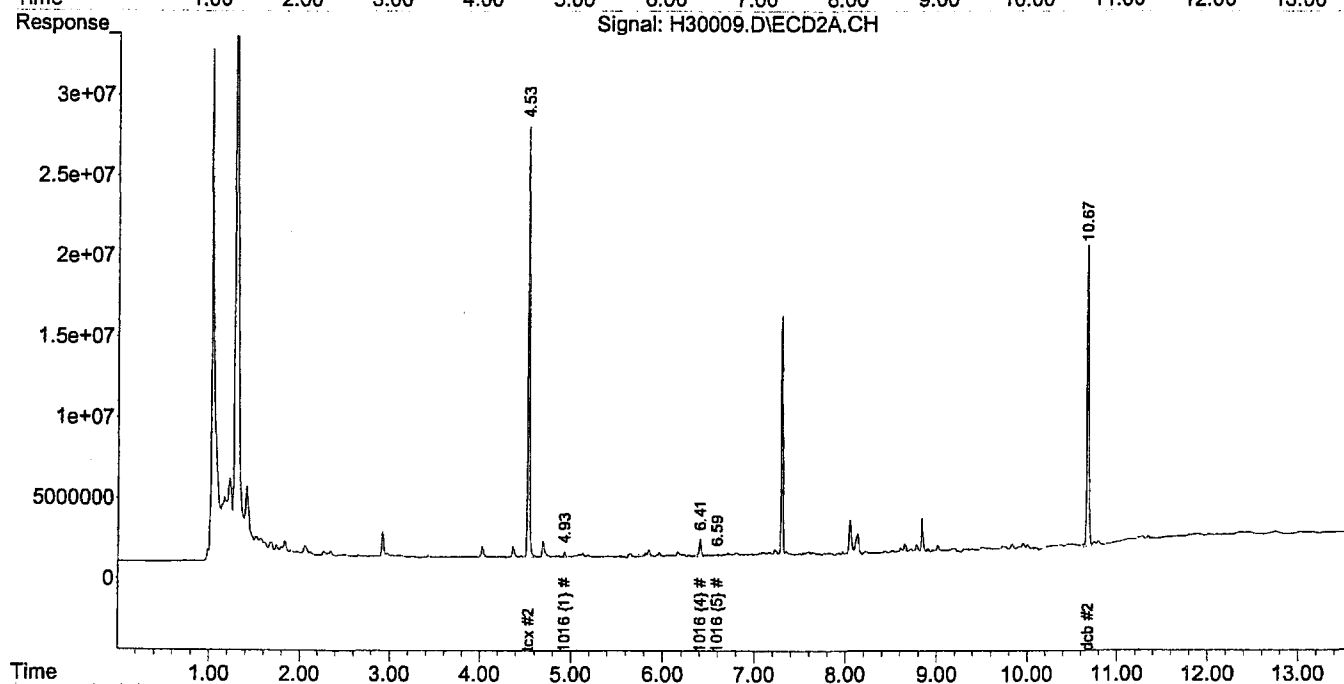
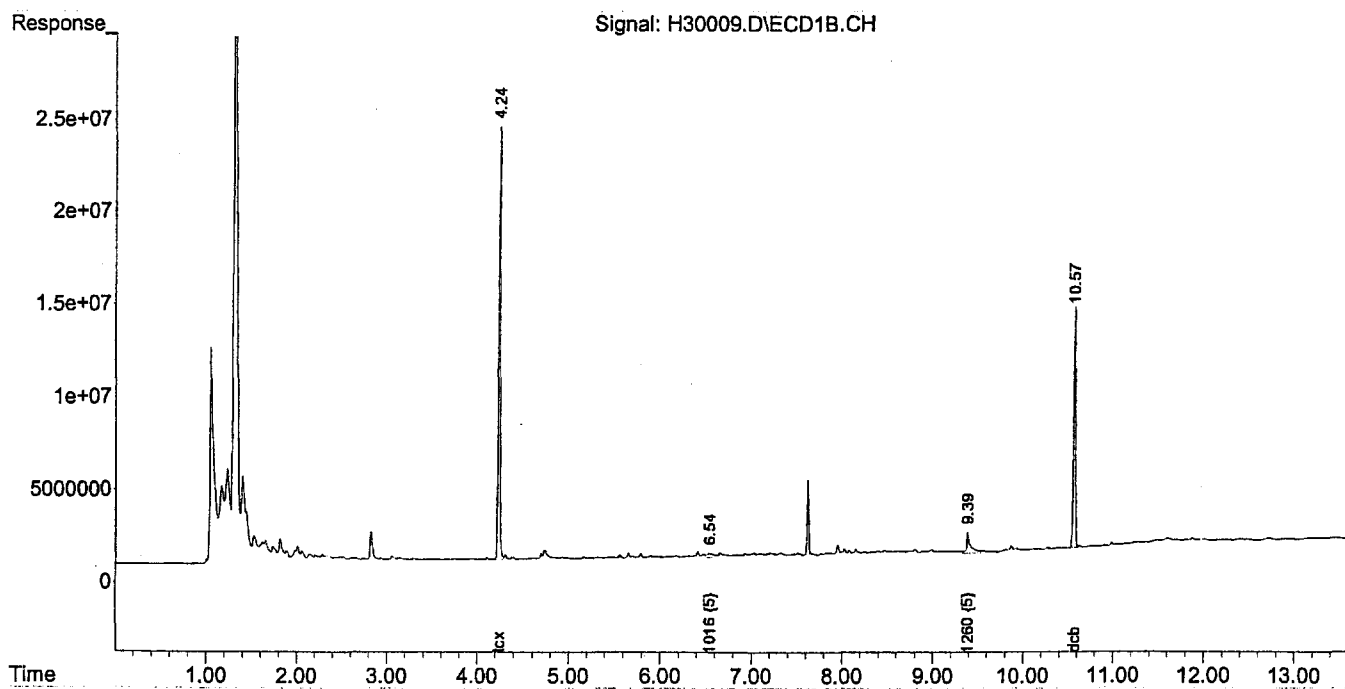
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30015.D

Acq On : 30 Aug 2005 15:41

Sample : 5H30041-CCV3

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:12:55 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

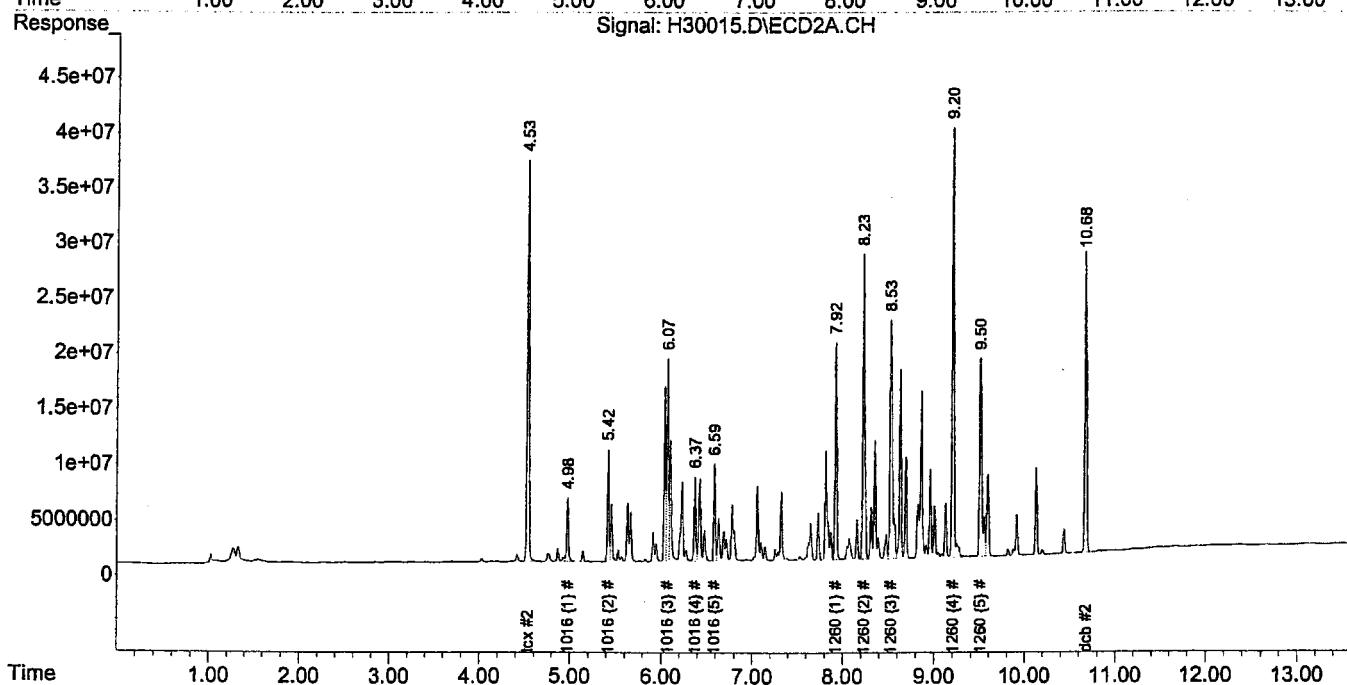
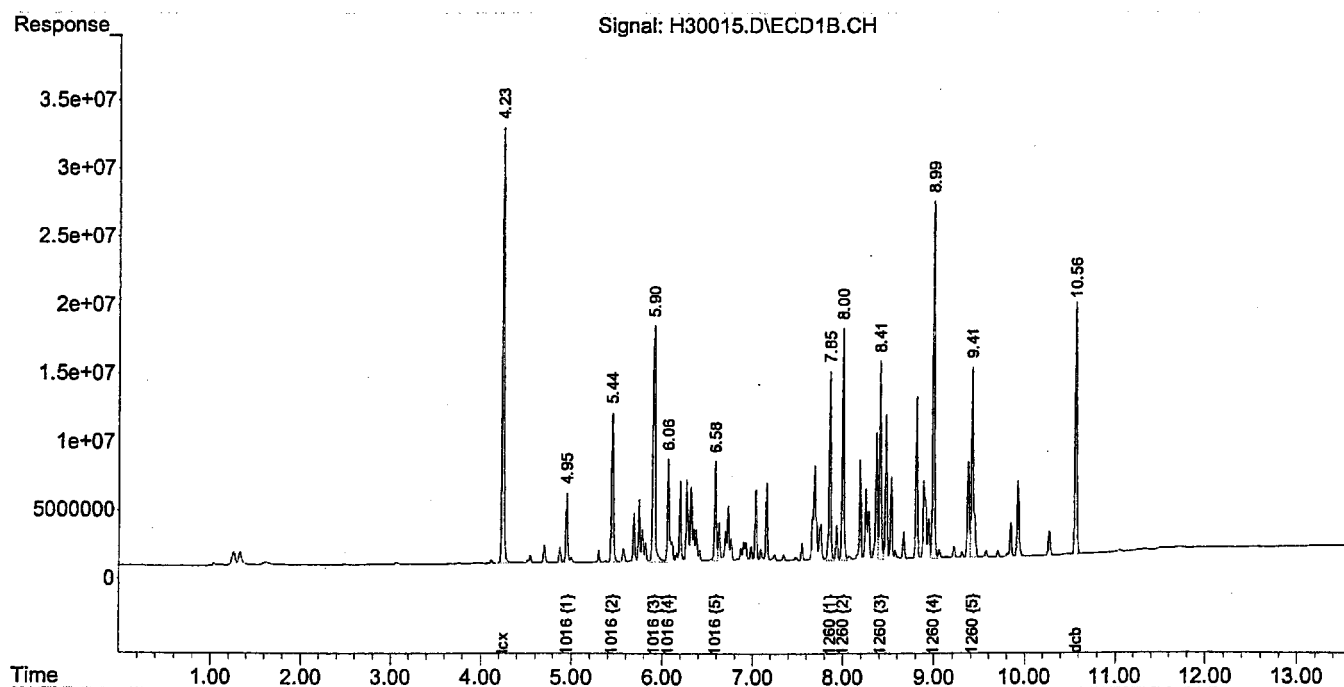
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30015.D

Acq On : 30 Aug 2005 15:41

Sample : 5H30041-CCV3

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:01:53 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

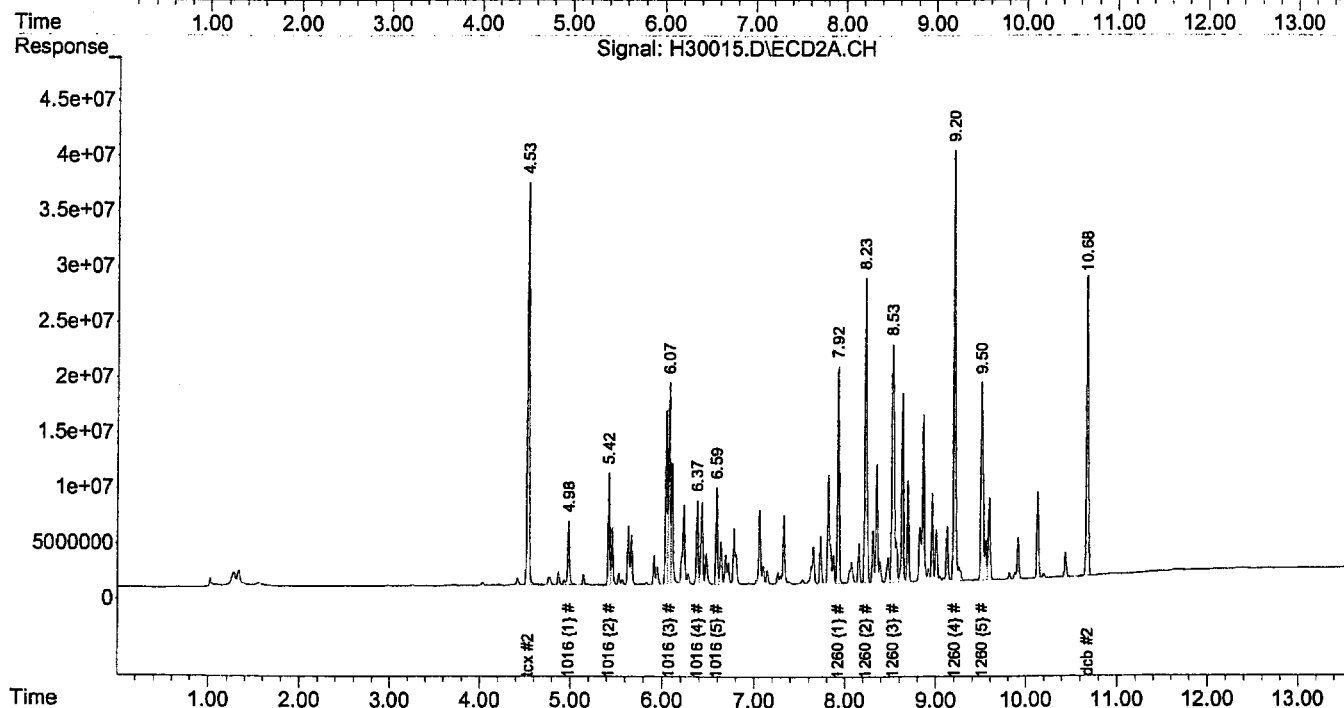
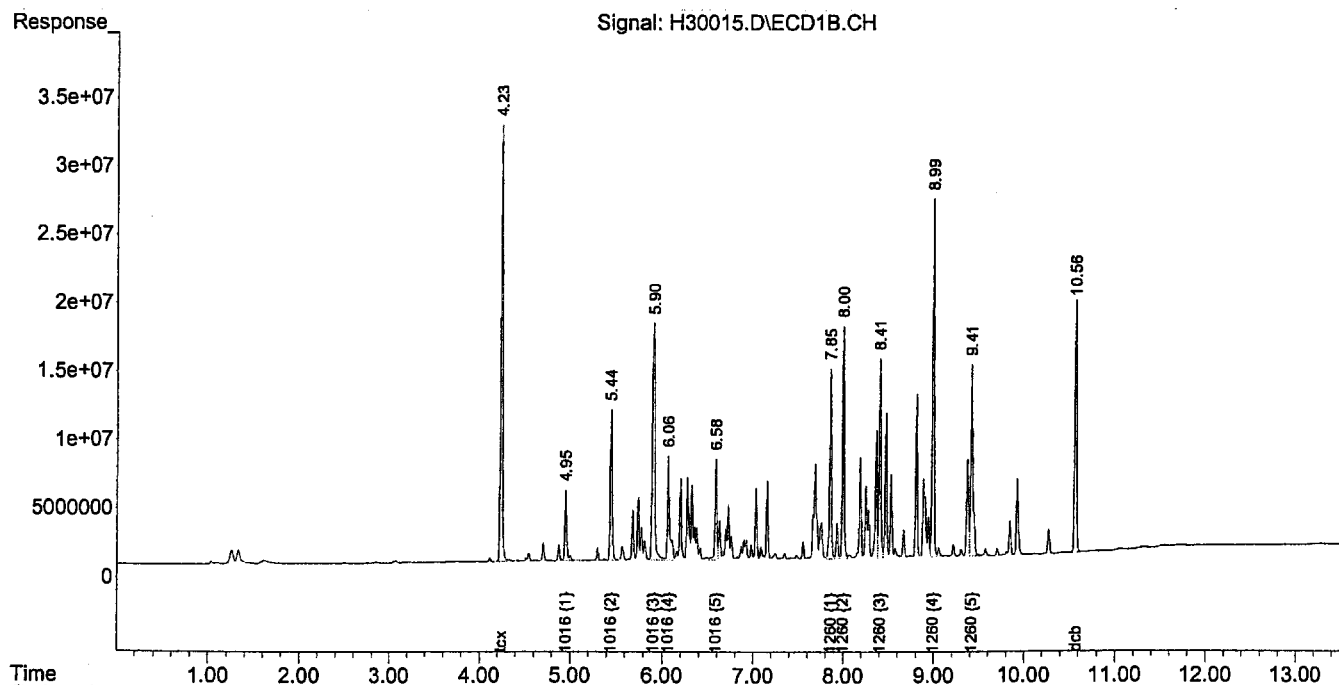
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30020.D

Acq On : 30 Aug 2005 17:13

Sample : B5H0640-01

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:36:18 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

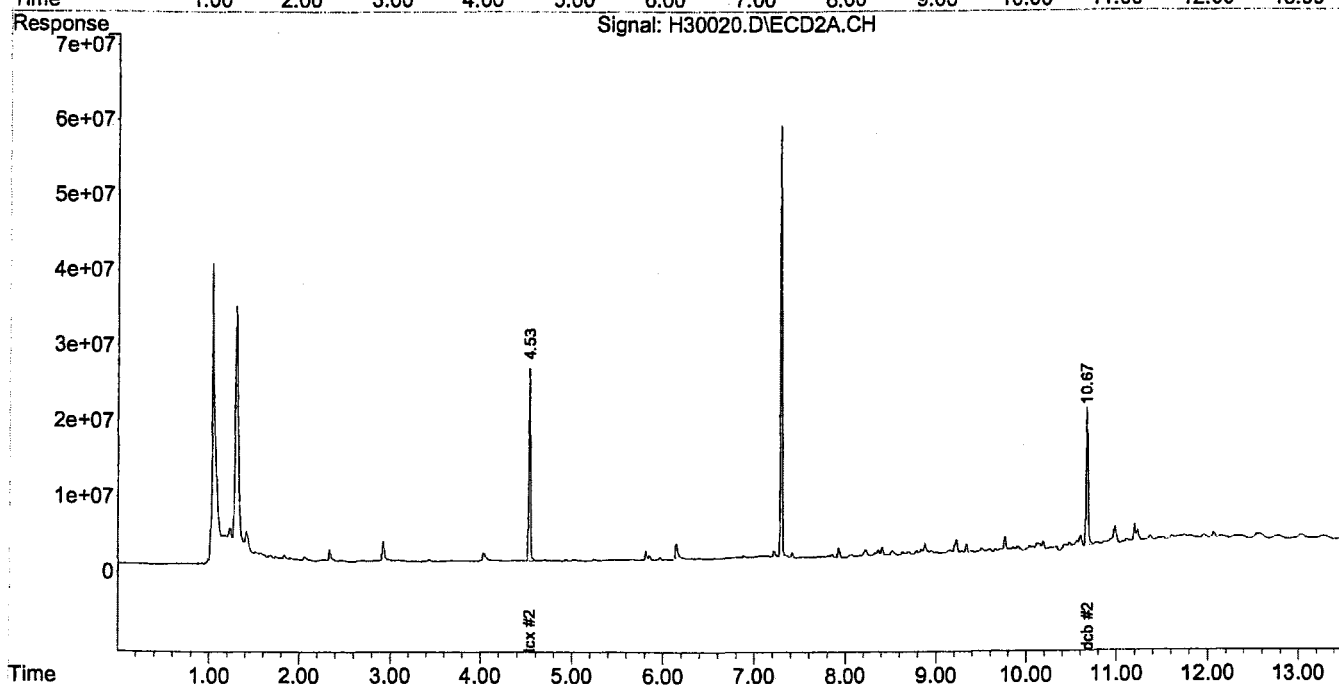
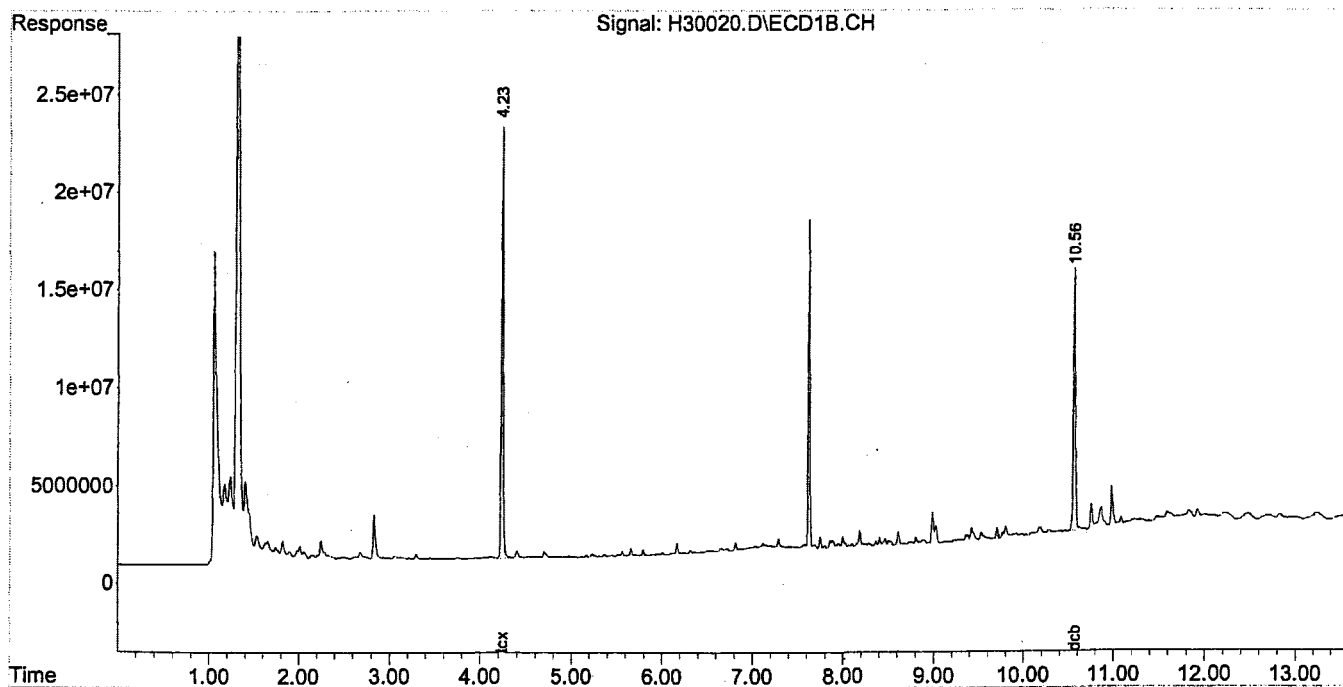
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30020.D

Acq On : 30 Aug 2005 17:13

Sample : B5H0640-01

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:02:41 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

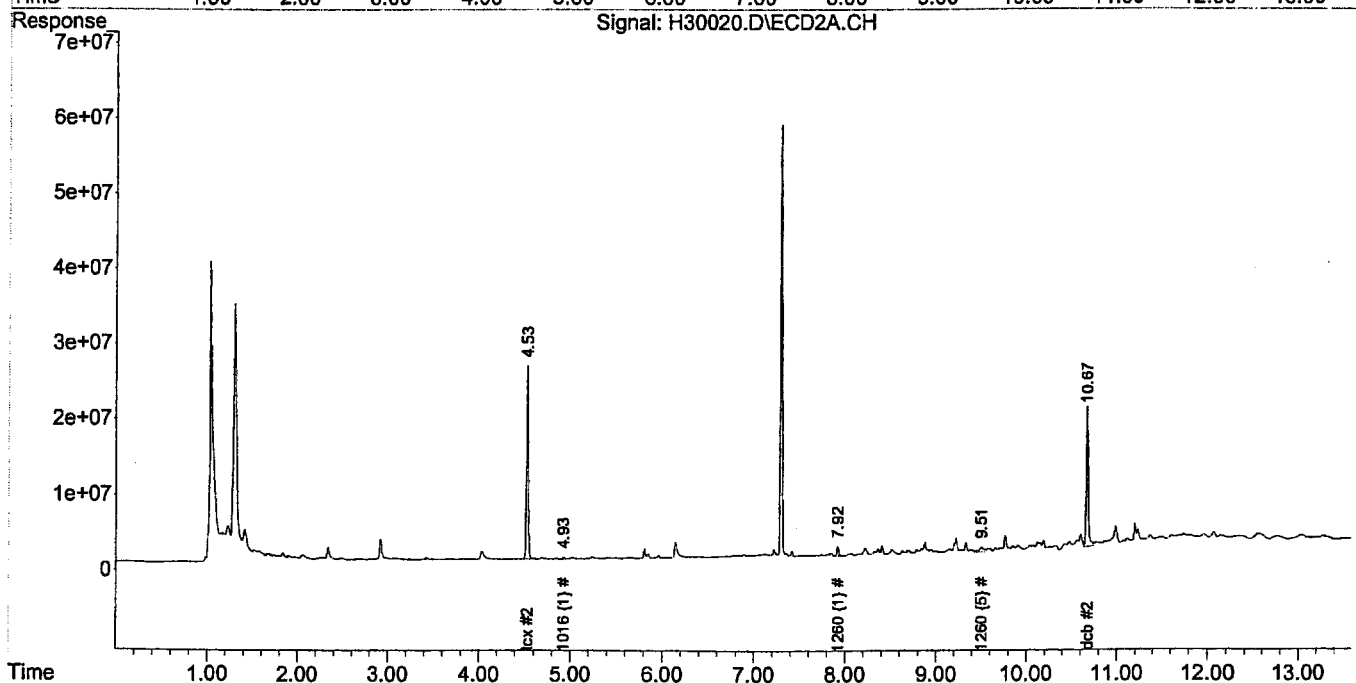
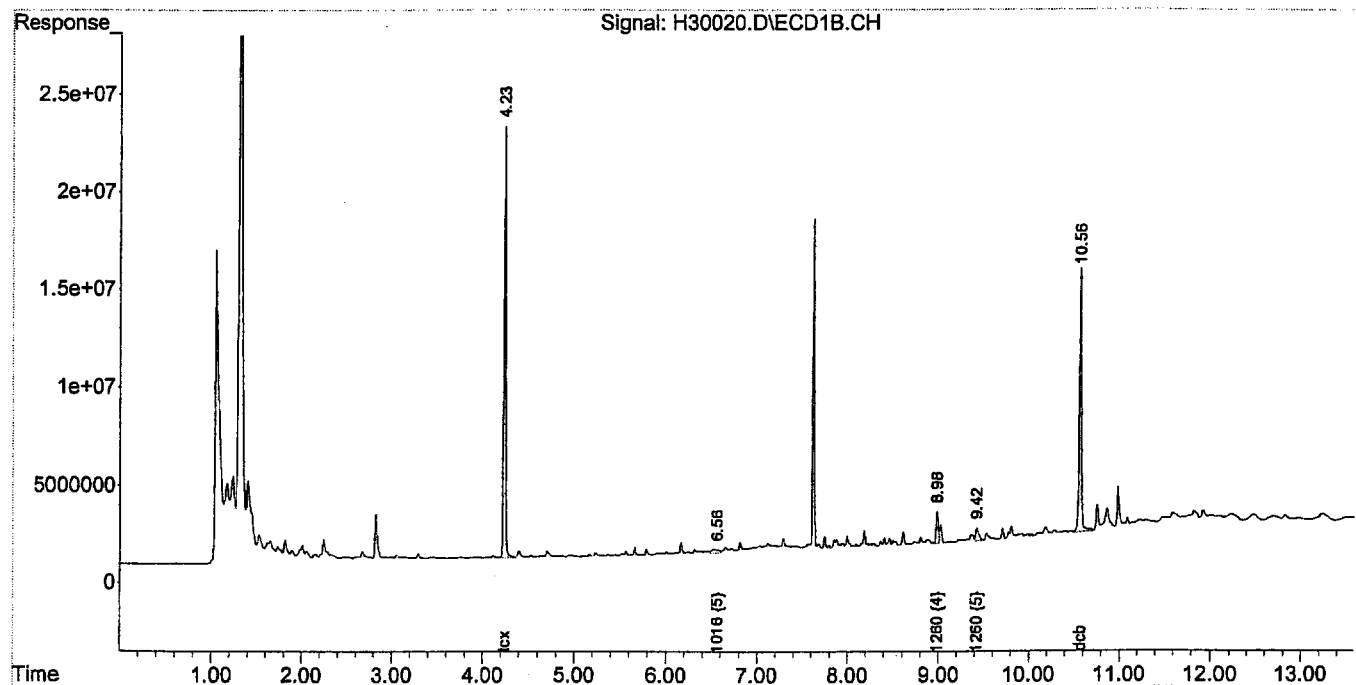
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30021.D

Acq On : 30 Aug 2005 17:31

Sample : B5H0640-02

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:36:51 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

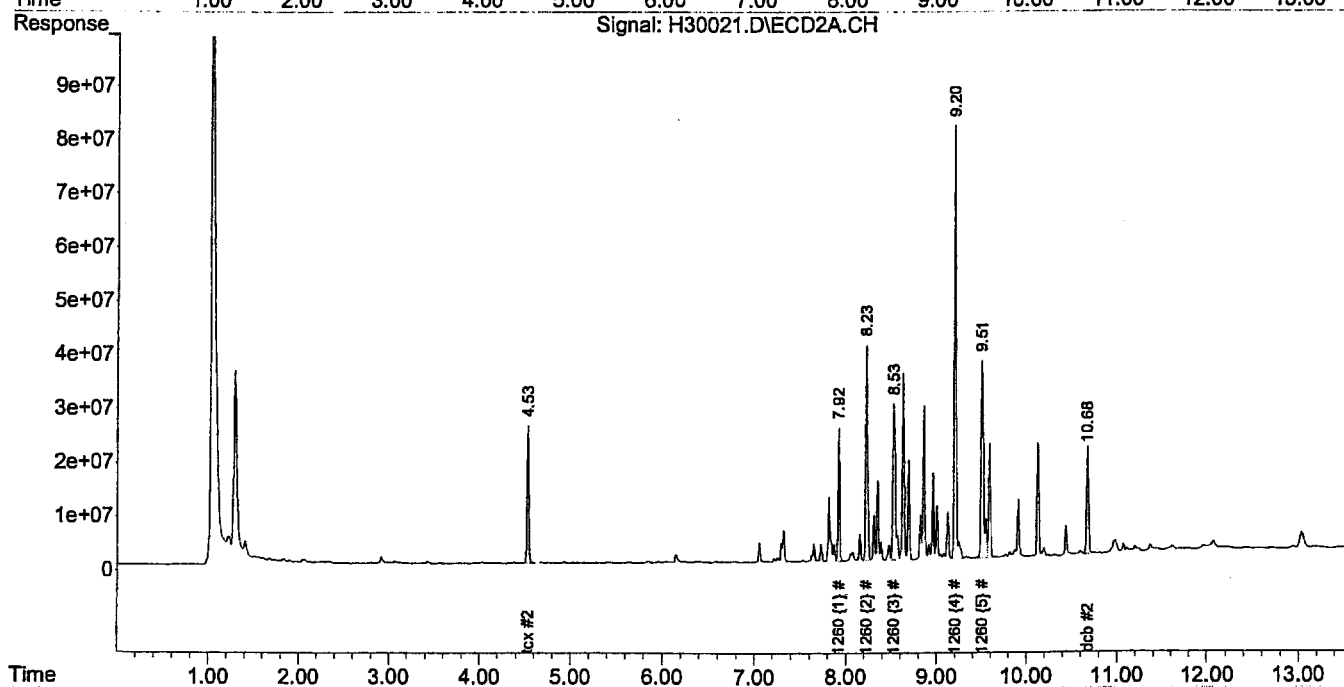
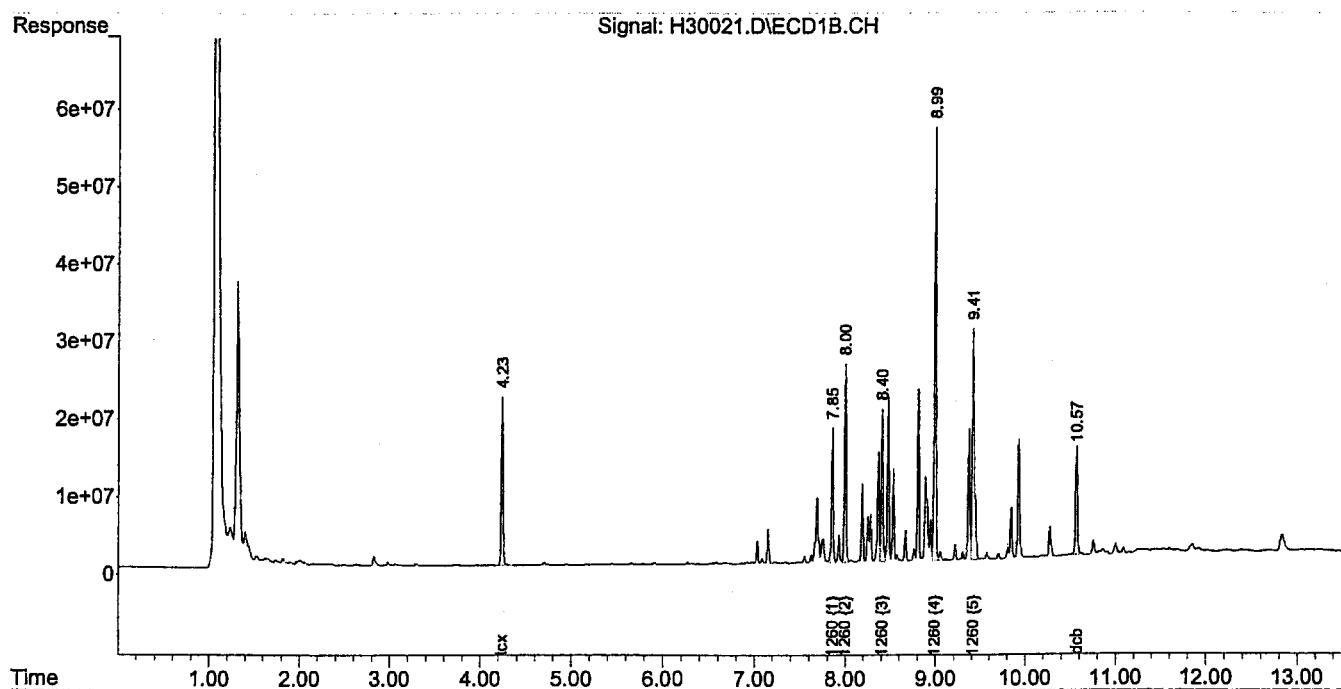
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30021.D

Acq On : 30 Aug 2005 17:31

Sample : B5H0640-02

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:02:50 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

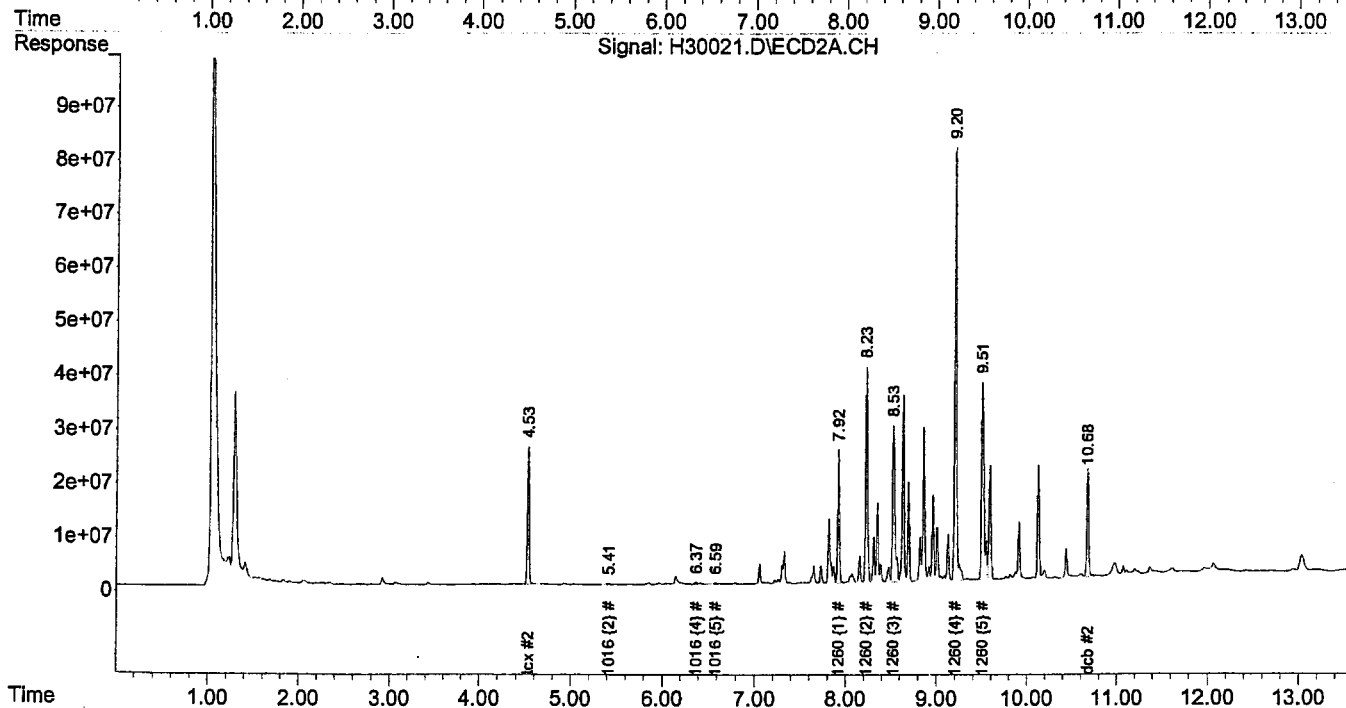
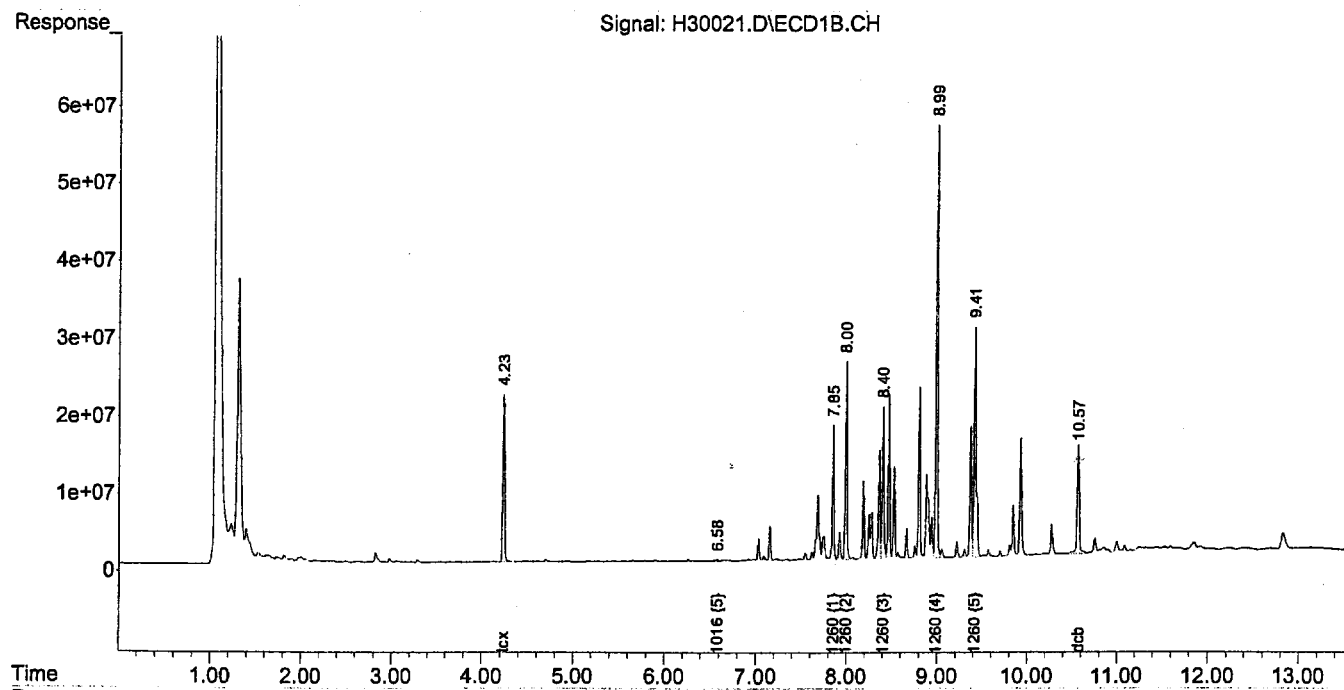
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30024.D

Acq On : 30 Aug 2005 18:26

Sample : 5H30041-CCV5

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:13:57 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

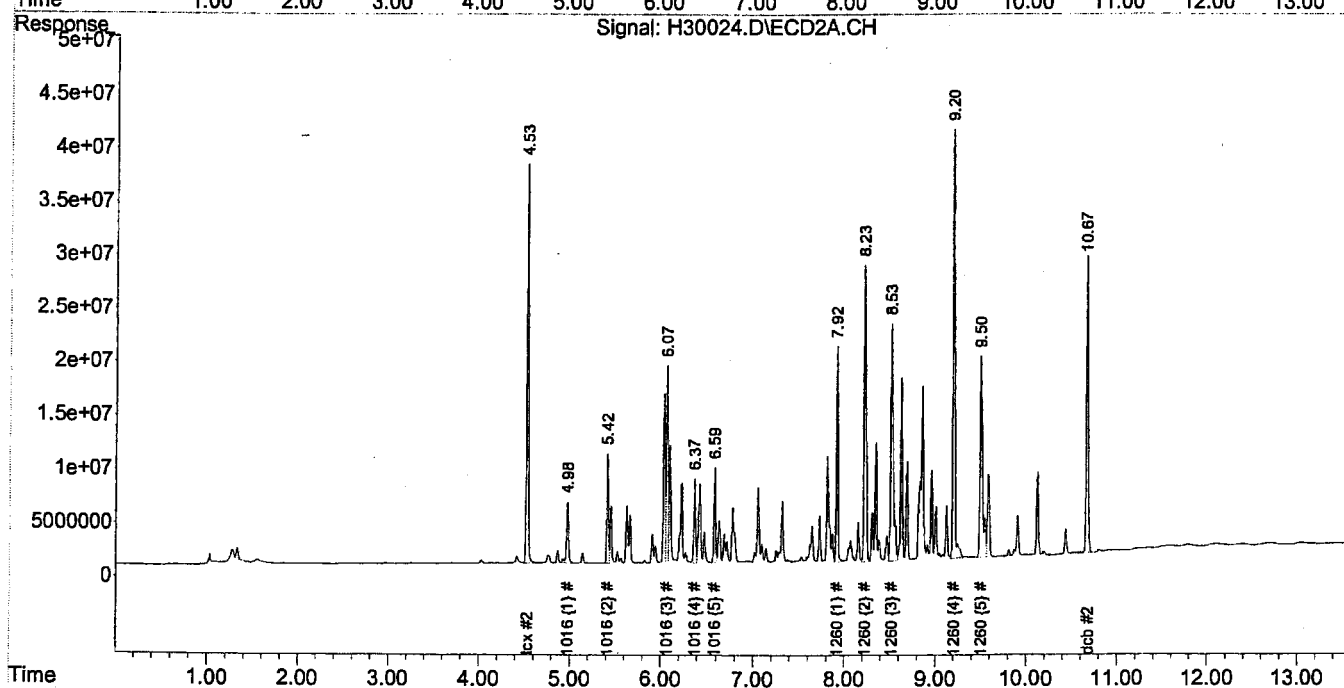
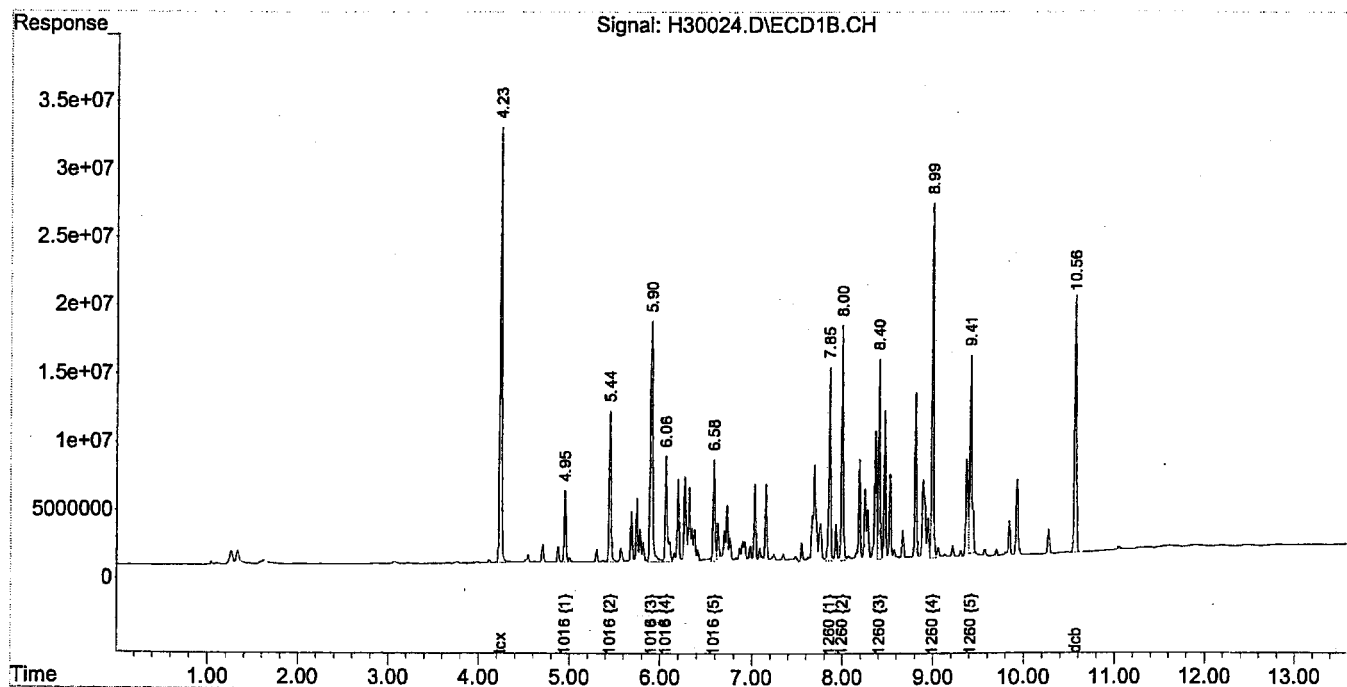
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\083005\

Data File : H30024.D

Acq On : 30 Aug 2005 18:26

Sample : 5H30041-CCV5

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080100 500ug/L

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705B.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 31 06:03:19 2005

QLast Update : Wed Aug 24 13:56:19 2005

Response via : Initial Calibration

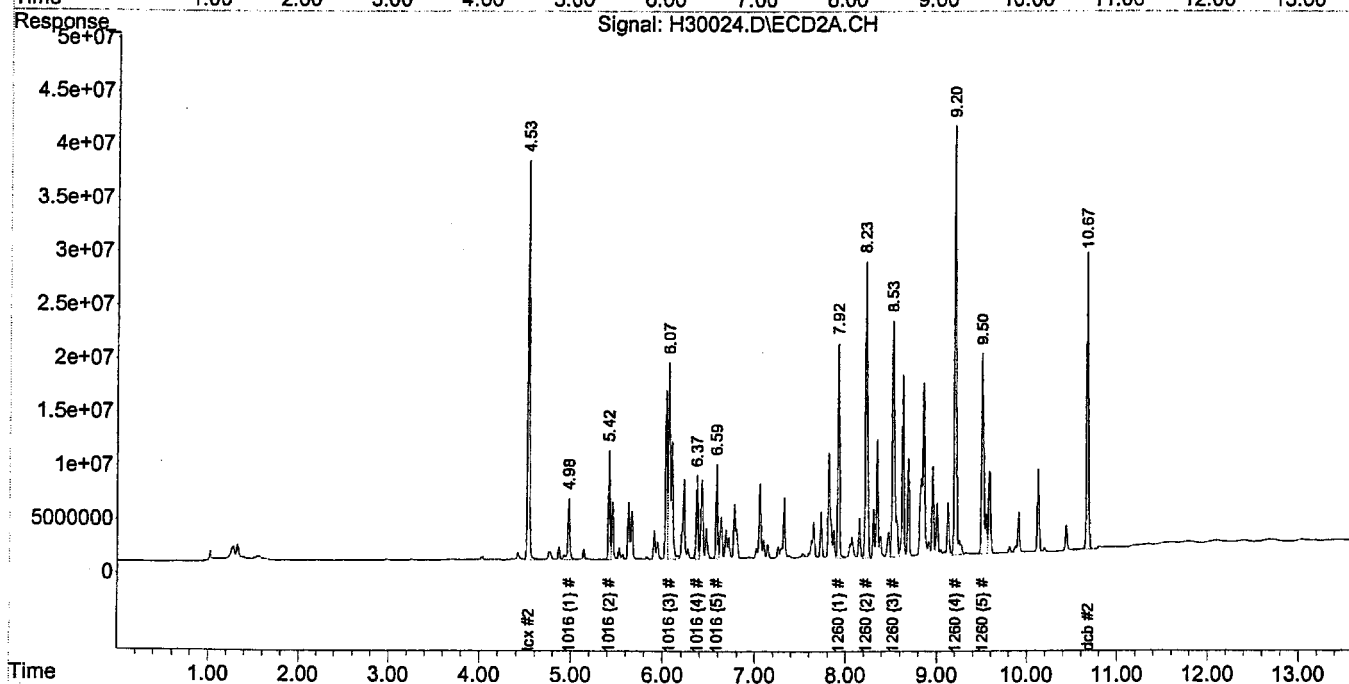
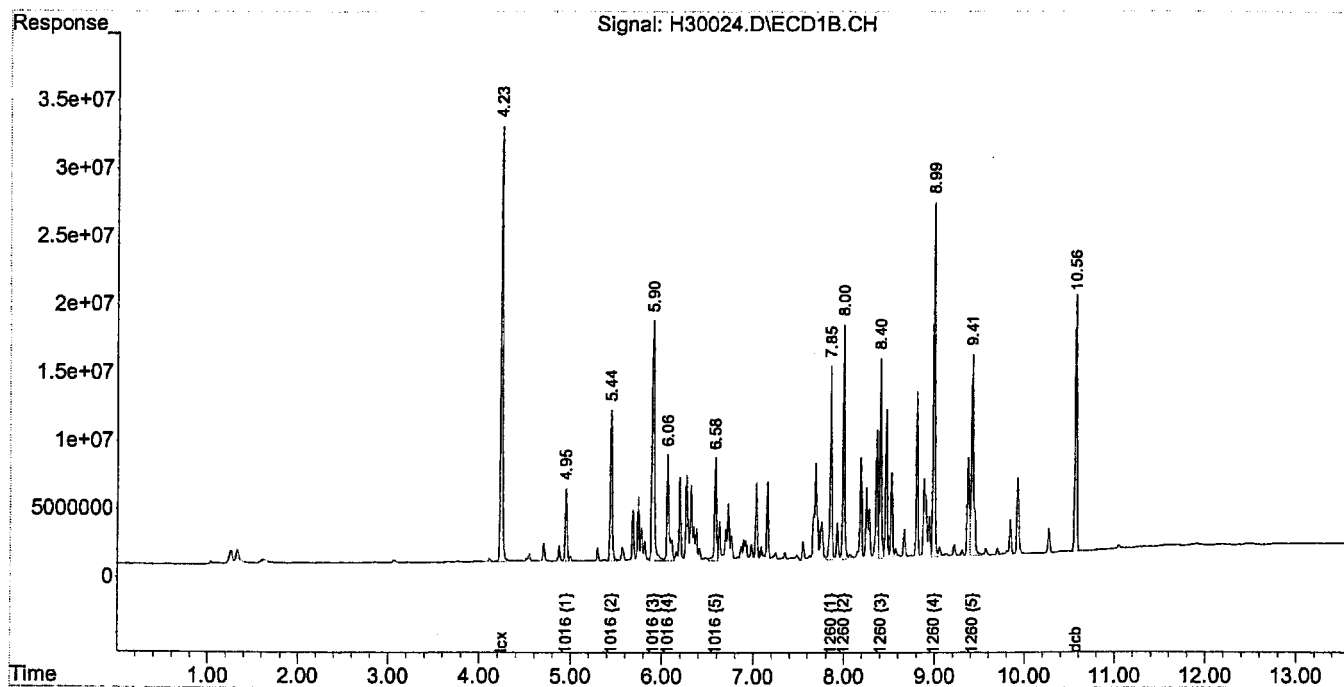
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Review Item	Yes	No	NA
<b>GC</b>			
Are at least 5 standard levels available for each analyte?	/		
Are at least 6 standard levels available for each quadratic fit?	/		
Is the %RSD for each target compound $\leq 20$ or is $r \geq 0.995$ ( $r^2 \geq 0.990$ for quad)? Note exceptions on back.	/		
If using $r$ , is the intercept $<$ than the RL? (Note exceptions on reverse side)	/		
Reprocess each calibration standard against the new curve.	/		
Does the calculated value fall within $\pm 20\%$ of the true value? (Note exceptions on reverse side)	/		
Is an ICAL summary sheet (Form VI or equiv, signed & dated by analyst) present, documenting passing linearity criteria and an accurate calibration file name?	/		
Review chromatography. Are the baselines consistently drawn?	/		
Is the low standard at or below the reporting limit?	/		
Can an RF for a target compound and a surrogate from their ICAL summaries be verified against the RF calculated from the raw data?	/		
Are hardcopy printouts of the calibration complete, do they identify all standards/concentrations and do acquisition dates and times occur before and compare favorably with Last Update dates and times?	/		
For manually integrated peaks, are before & after hardcopies of the chros included with the data?	/		
Were the manual integrations initialed and dated by the analyst?	/		
Was a second source standard analyzed after the calibration curve?	/		
Did the second source standard pass the 80-120% recovery criteria, allowing for sporadic marginal failures of 70-130% (SMFs generally apply to compound lists with more than 15 analytes, at rate of 1 SMF per 15 analytes)?	/		
<b>GC/MS</b>			
Did the instrument pass appropriate tuning criteria (including tailing factor & degradation checks for 625/8270)?			
Are at least 5 standard levels available for each analyte?			
Are at least 6 standard levels available for each quadratic fit?			
Did the CCCs pass the %RSD criteria of $\leq 30$ ?			
Did the SPOCs pass the RF criteria?			
Is the %RSD for each target compound $\leq 15$ or is $r \geq 0.995$ ( $r^2 \geq 0.990$ for quad)? Note exceptions on back.			
If using $r$ , is the intercept $<$ than the RL? (Note exceptions on reverse side)			
Reprocess each calibration standard against the new curve.			
Does the calculated value fall within $\pm 20\%$ of the true value? (Note exceptions on reverse side)			
Is an ICAL summary sheet (Form VI or equiv, signed & dated by analyst) present, documenting passing linearity criteria and an accurate calibration file name?			
Review chromatograph. Are the compounds (especially isomers) properly identified and are the baselines consistently drawn?			
Is the low standard at or below the reporting limit?			
Can an RF for a target compound and a surrogate from their ICAL summaries be verified against the RF calculated from the raw data?			
Are hardcopy printouts of the calibration complete, do they identify all standards/concentrations and do acquisition dates and times occur before and compare favorably with Last Update dates and times?			
For manually integrated peaks, are before & after hardcopies of the chros included with the data?			
Were the manual integrations initialed and dated by the analyst?			
Was a second source standard analyzed after the calibration curve?			
Did the second source standard pass the 75-125% recovery criteria (80-120% required for DOD projects), allowing for sporadic marginal failures of 60-140% (1 SMF per 15 analytes)			

I certify that this instrument calibration meets all the requirements set forth in the appropriate SOPs with the exceptions noted above.

Analyst Signature: [Signature]

Date: 5-1-05

I certify that this instrument calibration has been thoroughly reviewed and meets the requirements set forth in the appropriate SOPs with the exceptions noted above.

Reviewer's Signature: [Signature]

Date: 05/01/05

Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCH0705.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Mon Aug 08 07:47:31 2005  
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	50	5	0	C:\MSDCHEM\2\DATA\080705\H07007.D
2	100	10	0	C:\MSDCHEM\2\DATA\080705\H07008.D
3	200	20	0	C:\MSDCHEM\2\DATA\080705\H07009.D
4	500	50	0	C:\MSDCHEM\2\DATA\080705\H07010.D
5	1500	150	0	C:\MSDCHEM\2\DATA\080705\H07012.D
6	2000	200	0	C:\MSDCHEM\2\DATA\080705\H07013.D
7	1000	100	0	C:\MSDCHEM\2\DATA\080705\H07011.D
8	10	1	0	C:\MSDCHEM\2\DATA\080705\H07006.D

#	ID	Update Time	Quant Time	Acquisition Time
1	50	Aug 08 07:32 2005	Aug 08 07:31 2005	07 Aug 2005 11:23
2	100	Aug 08 07:32 2005	Aug 08 07:32 2005	07 Aug 2005 11:42
3	200	Aug 08 07:33 2005	Aug 08 07:33 2005	07 Aug 2005 12:00
4	500	Aug 08 07:37 2005	Aug 08 07:30 2005	07 Aug 2005 12:18
5	1500	Aug 08 07:38 2005	Aug 08 07:38 2005	07 Aug 2005 12:55
6	2000	Aug 08 07:38 2005	Aug 08 07:38 2005	07 Aug 2005 13:13
7	1000	Aug 08 07:38 2005	Aug 08 07:30 2005	07 Aug 2005 12:36
8	10	Aug 08 07:40 2005	Aug 08 07:40 2005	07 Aug 2005 11:05

PCH0705.M Mon Aug 08 12:15:01 2005

## Calibration Table Report

Method: PCH0705.M

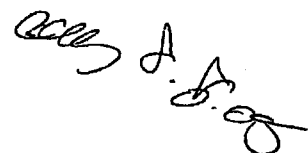
Title: Method 8082 - 1016/1260 Initial Calibration

Last Calibration: Mon Aug 08 07:47:31 2005

## Calibration Files

Compound	50 H07007.D	100 H07008.D	200 H07009.D	500 H07010.D	1500 H07012.D	2000 H07013.D	1000 H07011.D	10 H07006.D	Avg	%RSD
tcx	8369981.450	8666668.577	8389280.251	8297680.420	8389554.750	8285477.569	8491790.897	9712559.387	8575370.000	5.542
1016 {1}	151196.756	163372.525	141910.162	129873.606	125669.080	124026.757	128039.618	184357.359	143556.000	15.005
1016 {2}	406960.277	383089.840	347303.310	319419.692	317709.936	314345.736	321164.730	467312.472	359663.000	15.388
1016 {3}	747120.879	716855.228	675182.260	640150.526	643523.472	635046.707	647912.930	936633.665	705303.000	14.439
1016 {4}	338432.508	297470.699	273877.490	245668.671	234124.853	230396.131	239534.376	391761.203	281408.000	20.639
1016 {5}	242576.244	236780.179	215820.860	198530.829	194371.119	191295.251	195582.059	268294.198	217906.000	13.031
1260 {1}	592421.055	497420.573	407448.899	376048.150	346775.160	335802.624	356255.496	1616401.757	566072.000	76.567
1260 {2}	695237.635	621771.762	506159.846	462991.414	420734.229	408460.692	432898.809	1814987.271	670405.000	70.651
1260 {3}	542702.251	532145.794	413546.535	388765.932	355949.493	348192.025	365243.836	1400389.808	543367.000	65.265
1260 {4}	858491.623	916017.739	702551.492	676685.905	627484.323	620225.100	645544.428	2063336.497	888792.000	54.798
1260 {5}	575406.555	604525.926	458132.121	438972.744	402963.186	397710.566	413515.023	1587340.683	609821.000	66.039
dcb	6234480.349	6540861.132	5564956.522	5403381.036	5114540.432	5033982.650	5226263.420	7887899.924	5875800.000	16.587
Signal #2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
tcx #2	9727264.868	10067622.098	9835942.864	9836162.032	9690528.871	9448039.175	9890671.821	10011771.611	9813500.000	1.990
1016 {1} #2	181506.518	191427.522	167462.100	165468.205	160876.334	158774.644	163229.301	217847.734	175824.000	11.560
1016 {2} #2	289663.704	304415.077	264020.105	249883.242	248169.428	244873.462	250924.704	329292.892	272655.000	11.550
1016 {3} #2	499609.498	503432.615	477382.986	470253.082	470580.961	419475.845	474078.570	605141.796	489994.000	10.822
1016 {4} #2	248426.917	249646.625	217034.093	202402.258	198641.998	193944.733	200857.695	347062.587	232252.000	22.106
1016 {5} #2	258403.489	244628.043	230886.115	219432.420	218128.901	213221.082	219874.118	336574.445	242644.000	16.876
1260 {1} #2	723711.408	661539.534	544680.962	512629.737	486483.961	463574.930	495777.815	1683928.472	696541.000	58.757
1260 {2} #2	1329065.808	1206294.076	966608.075	900705.974	834858.652	795223.016	854976.341	3348617.563	1279540.000	66.988
1260 {3} #2	1303771.023	1223988.451	972692.354	913363.137	845659.687	813165.455	867580.027	2909409.939	1231200.000	56.981
1260 {4} #2	1549479.854	1662145.153	1285267.643	1226101.495	1103084.847	1066618.250	1152694.136	3674726.327	1590010.000	54.624
1260 {5} #2	970764.928	1016107.541	806752.239	784876.615	738988.706	718587.462	756843.172	2154478.930	993425.000	48.480
dcb #2	8679790.229	9368222.864	8571780.446	8674249.387	8181271.791	7916451.065	8487942.769	9813345.603	8711630.000	7.037

Mon Aug 08 12:15:21 2005



Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCH0705.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Mon Aug 08 07:47:31 2005  
 Response Via : Initial Calibration

## Calibration Files

50 =H07007.D 100 =H07008.D 200 =H07009.D  
 500 =H07010.D 1500 =H07012.D 2000 =H07013.D

Compound		50	100	200	500	1500	2000	Avg	%RSD	
1) s	tcx	8.370	8.667	8.389	8.298	8.390	8.285	8.575	E6	5.54
2) L1	1016 {1}	1.512	1.634	1.419	1.299	1.257	1.240	1.436	E5	15.00
3) L1	1016 {2}	4.070	3.831	3.473	3.194	3.177	3.143	3.597	E5	15.39
4) L1	1016 {3}	7.471	7.169	6.752	6.402	6.435	6.350	7.053	E5	14.44
5) L1	1016 {4}	3.384	2.975	2.739	2.457	2.341	2.304	2.814	E5	20.64
6) L1	1016 {5}	2.426	2.368	2.158	1.985	1.944	1.913	2.179	E5	13.03
7) L2	1260 {1}	0.592	0.497	0.407	0.376	0.347	0.336	0.566	E6	76.57
8) L2	1260 {2}	0.695	0.622	0.506	0.463	0.421	0.408	0.670	E6	70.65
9) L2	1260 {3}	0.543	0.532	0.414	0.389	0.356	0.348	0.543	E6	65.26
10) L2	1260 {4}	0.858	0.916	0.703	0.677	0.627	0.620	0.889	E6	54.80
11) L2	1260 {5}	0.575	0.605	0.458	0.439	0.403	0.398	0.610	E6	66.04
12) s	dcx	6.234	6.541	5.565	5.403	5.115	5.034	5.876	E6	16.59

## Signal #2 Calibration Files

50 =H07007.D 100 =H07008.D 200 =H07009.D  
 500 =H07010.D 1500 =H07012.D 2000 =H07013.D

Compound		50	100	200	500	1500	2000	Avg	%RSD	
1) s	tcx	0.973	1.007	0.984	0.984	0.969	0.945	0.981	E7	1.99
2) L1	1016 {1}	1.815	1.914	1.675	1.655	1.609	1.588	1.758	E5	11.56
3) L1	1016 {2}	2.897	3.044	2.640	2.499	2.482	2.449	2.727	E5	11.55
4) L1	1016 {3}	4.996	5.034	4.774	4.703	4.706	4.195	4.900	E5	10.82
5) L1	1016 {4}	2.484	2.496	2.170	2.024	1.986	1.939	2.323	E5	22.11
6) L1	1016 {5}	2.584	2.446	2.309	2.194	2.181	2.132	2.426	E5	16.88
7) L2	1260 {1}	0.724	0.662	0.545	0.513	0.486	0.464	0.697	E6	58.76
8) L2	1260 {2}	1.329	1.206	0.967	0.901	0.835	0.795	1.280	E6	66.99
9) L2	1260 {3}	1.304	1.224	0.973	0.913	0.846	0.813	1.231	E6	56.98
10) L2	1260 {4}	1.549	1.662	1.285	1.226	1.103	1.067	1.590	E6	54.62
11) L2	1260 {5}	0.971	1.016	0.807	0.785	0.739	0.719	0.993	E6	48.48
12) s	dcx	8.680	9.368	8.572	8.674	8.181	7.916	8.712	E6	7.04

(#) = Out of Range ### Number of calibration levels exceeded format ###

PCH0705.M Mon Aug 08 12:15:11 2005

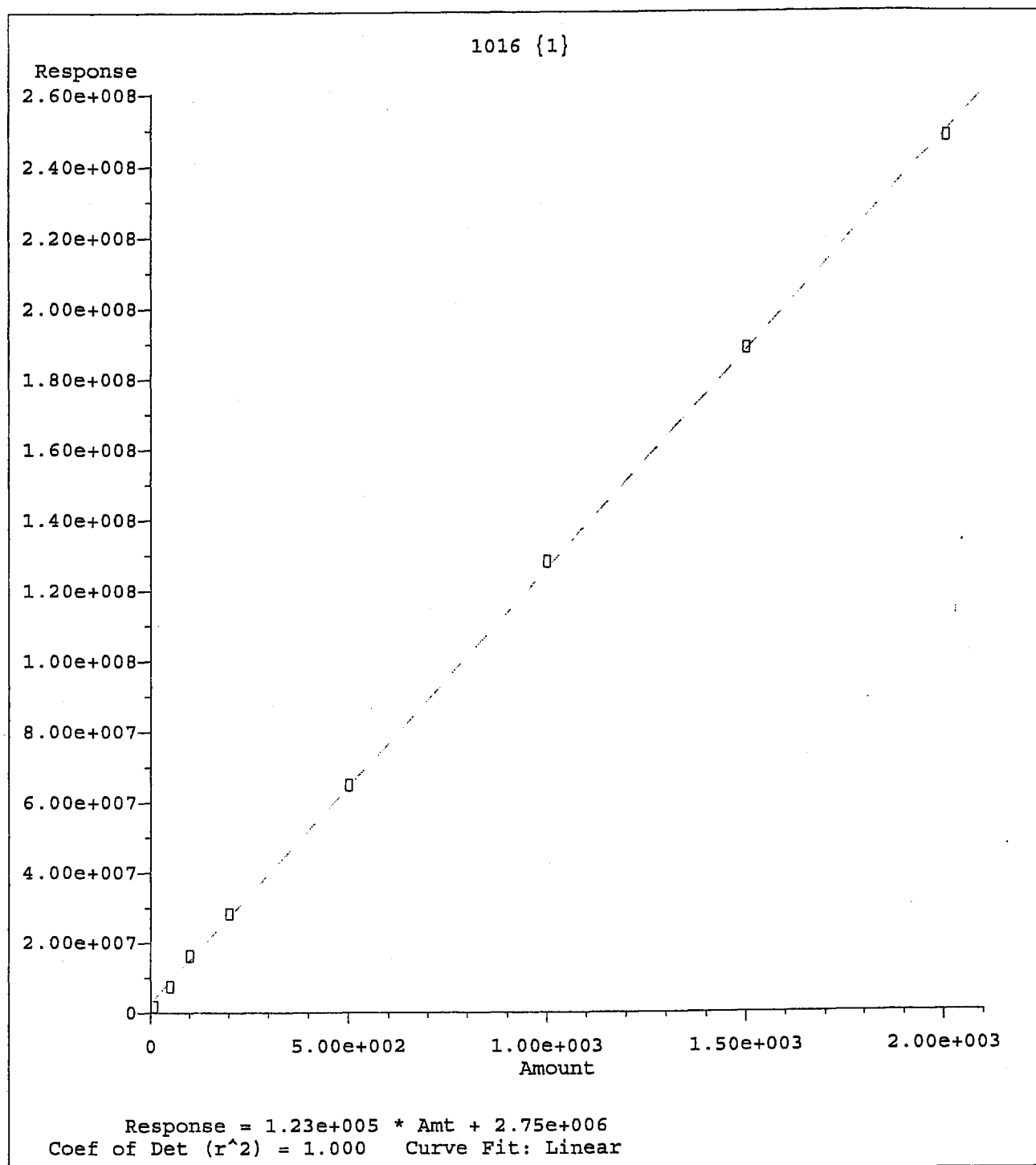
Method Path : C:\MSDCHEM\2\METHODS\  
 Method File : PCH0705.M  
 Title : Method 8082 - 1016/1260 Initial Calibration  
 Last Update : Mon Aug 08 07:47:31 2005  
 Response Via : Initial Calibration

Total Cpnds : 25

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S tcx	4.32	1.000	A	A	R
2	L1 1016 {1}	5.04	1.000	L	A	R
3	L1 1016 {2}	5.53	1.000	L	A	R
4	L1 1016 {3}	5.99	1.000	L	A	R
5	L1 1016 {4}	6.15	1.000	L	A	R
6	L1 1016 {5}	6.68	1.000	L	A	R
7	L2 1260 {1}	7.95	1.000	L	A	R
8	L2 1260 {2}	8.09	1.000	L	A	R
9	L2 1260 {3}	8.50	1.000	L	A	R
10	L2 1260 {4}	9.08	1.000	L	A	R
11	L2 1260 {5}	9.51	1.000	L	A	R
12	S dcb	10.66	1.000	L	A	R
13	Signal #2	15.67	1.000	A	A	R
14	S tcx #2	4.57	1.000	A	A	R
15	L1 1016 {1} #2	5.01	1.000	L	A	R
16	L1 1016 {2} #2	5.45	1.000	L	A	R
17	L1 1016 {3} #2	6.11	1.000	L	A	R
18	L1 1016 {4} #2	6.41	1.000	L	A	R
19	L1 1016 {5} #2	6.62	1.000	L	A	R
20	L2 1260 {1} #2	7.96	1.000	L	A	R
21	L2 1260 {2} #2	8.27	1.000	L	A	R
22	L2 1260 {3} #2	8.56	1.000	L	A	R
23	L2 1260 {4} #2	9.24	1.000	L	A	R
24	L2 1260 {5} #2	9.54	1.000	L	A	R
25	S dcb #2	10.71	1.000	A	A	R

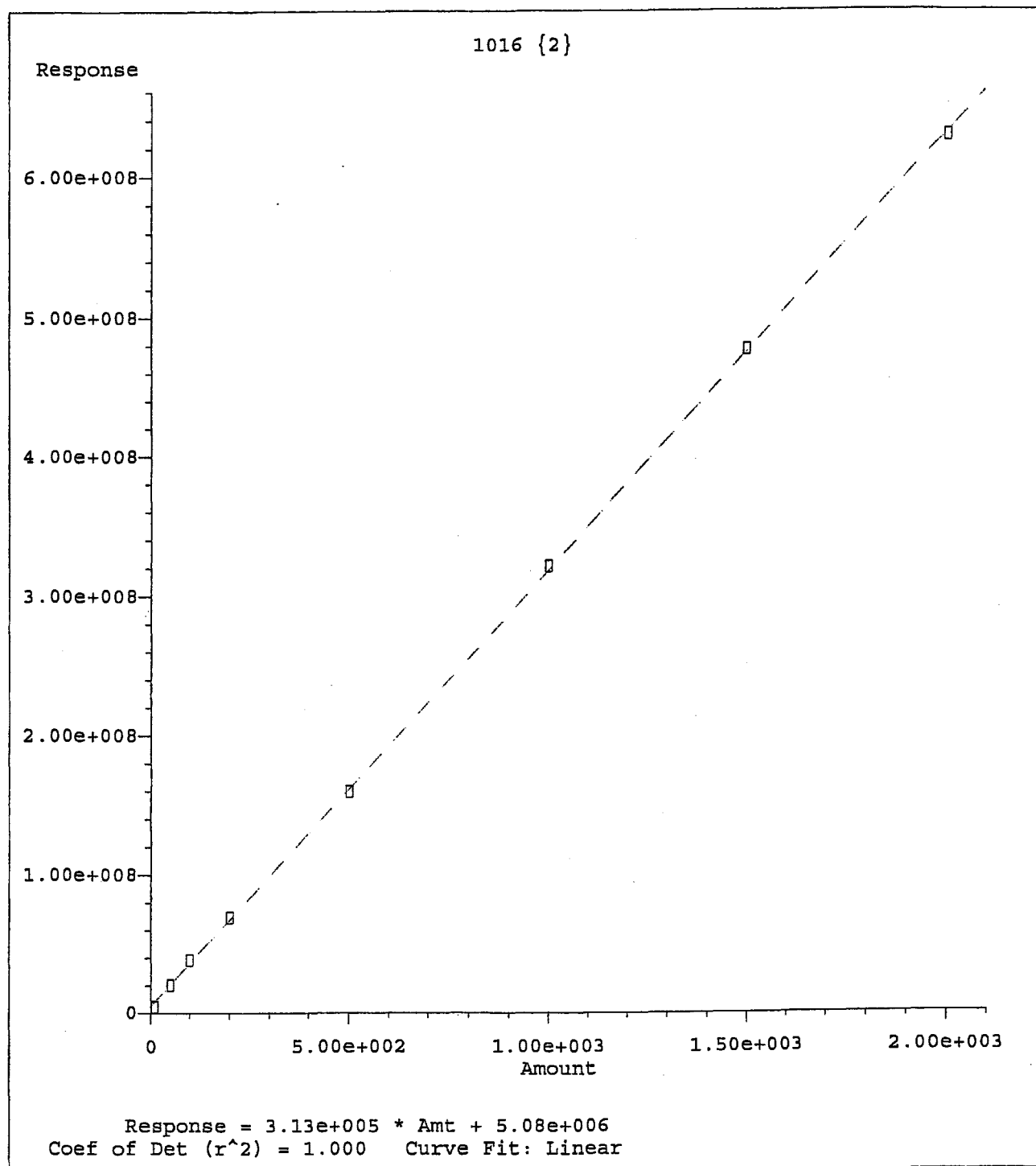
Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin  
 A/H = Area or Height  
 ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

PCH0705.M Mon Aug 08 12:14:53 2005

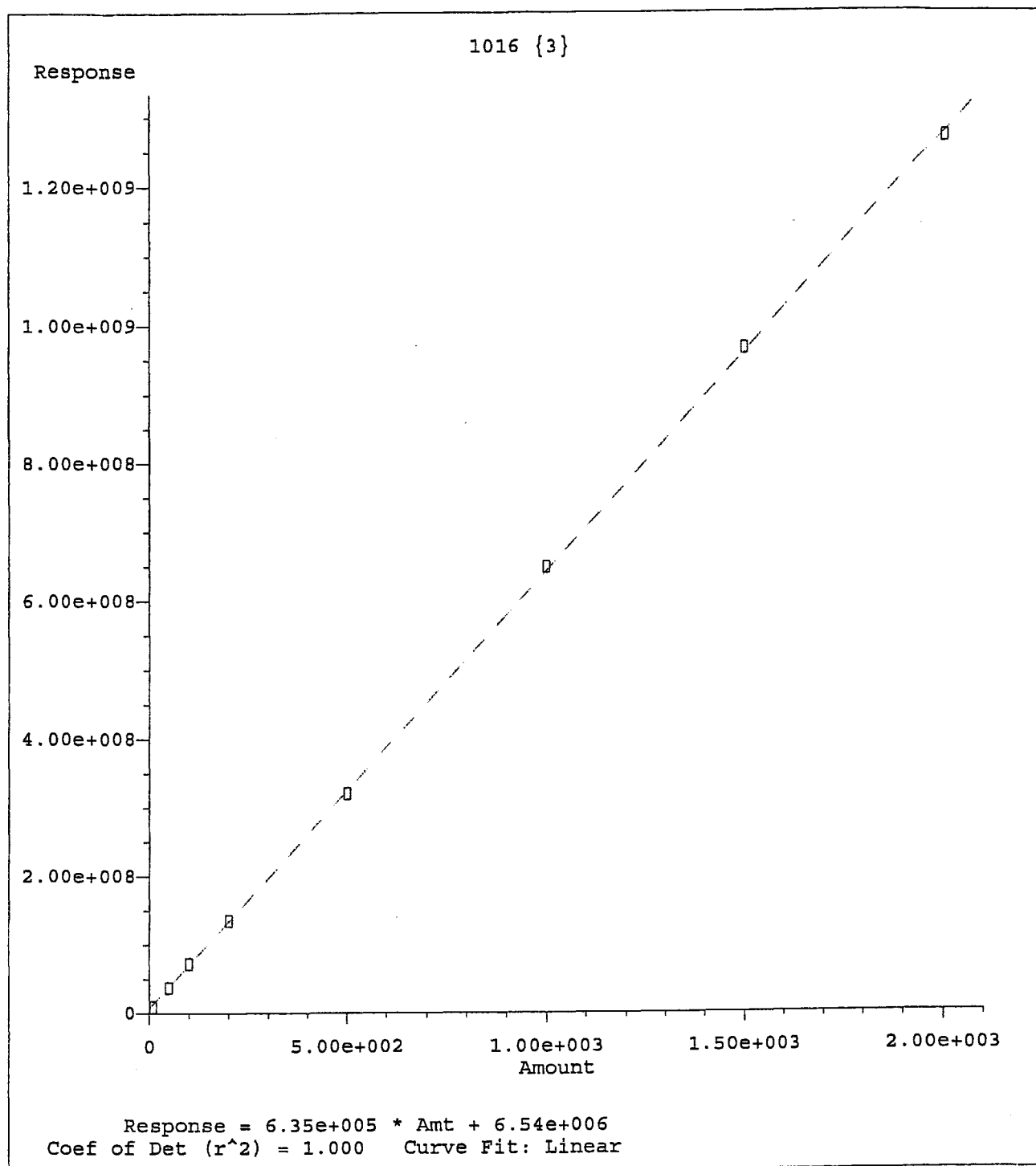


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

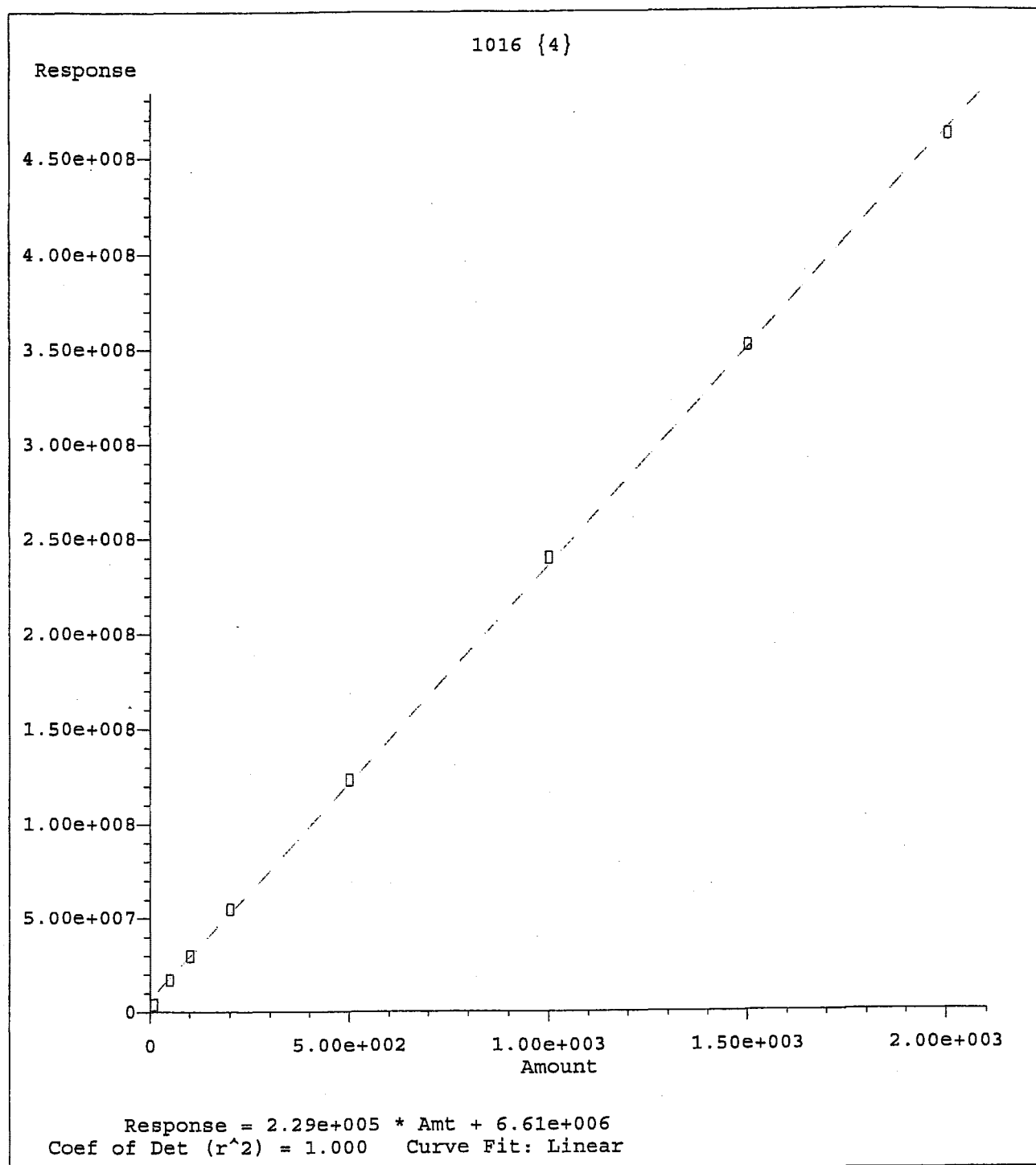




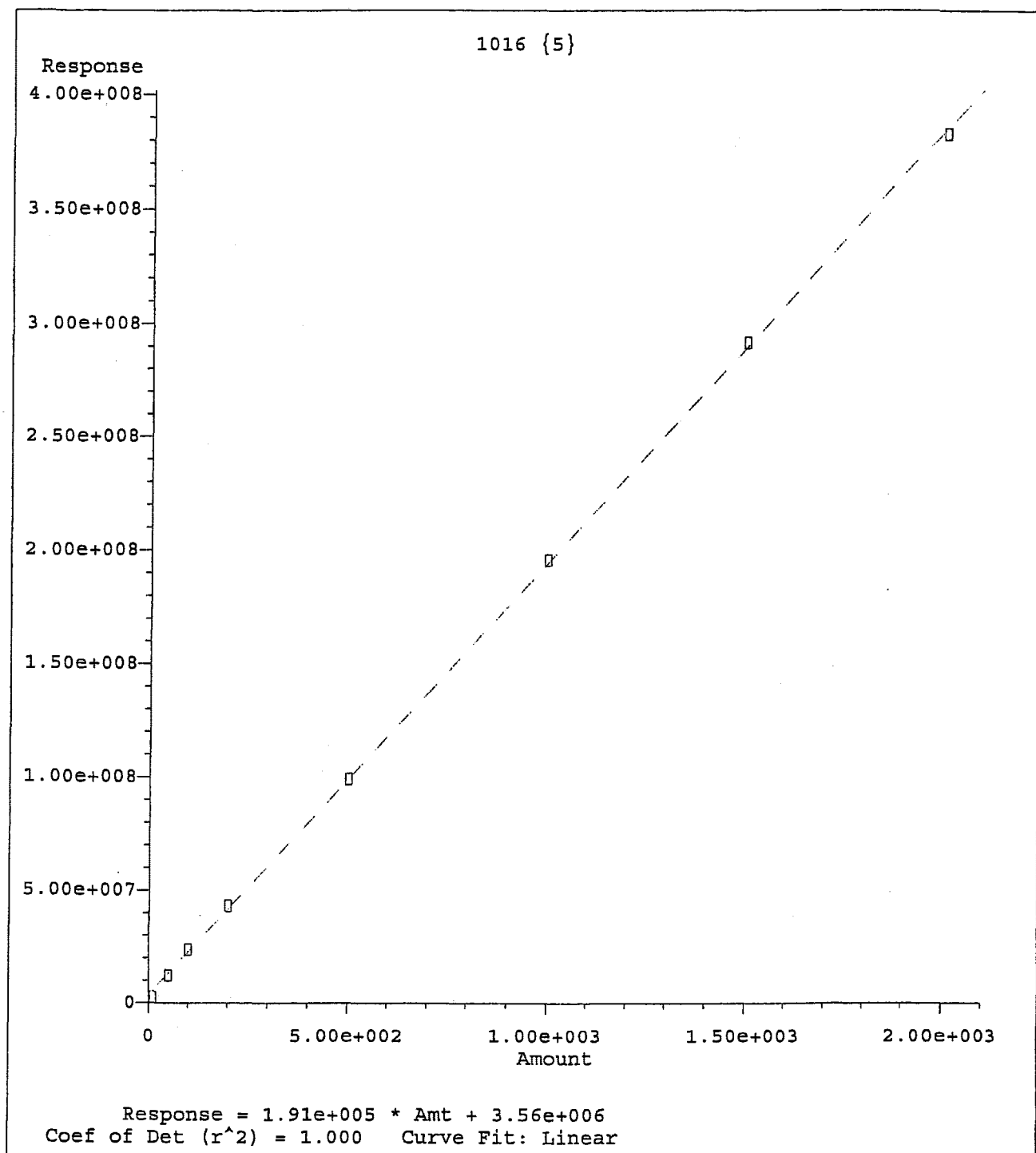
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Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



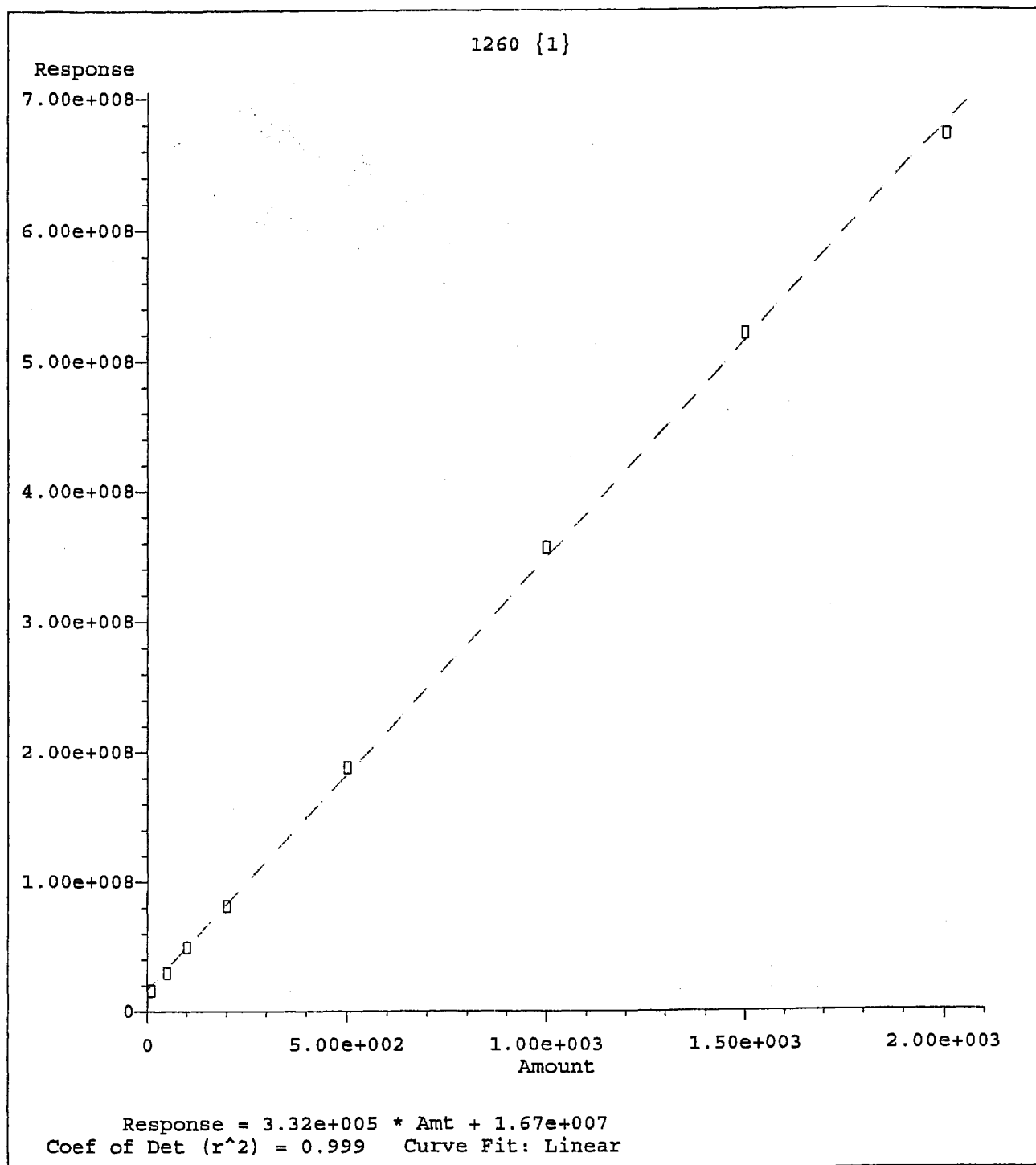
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



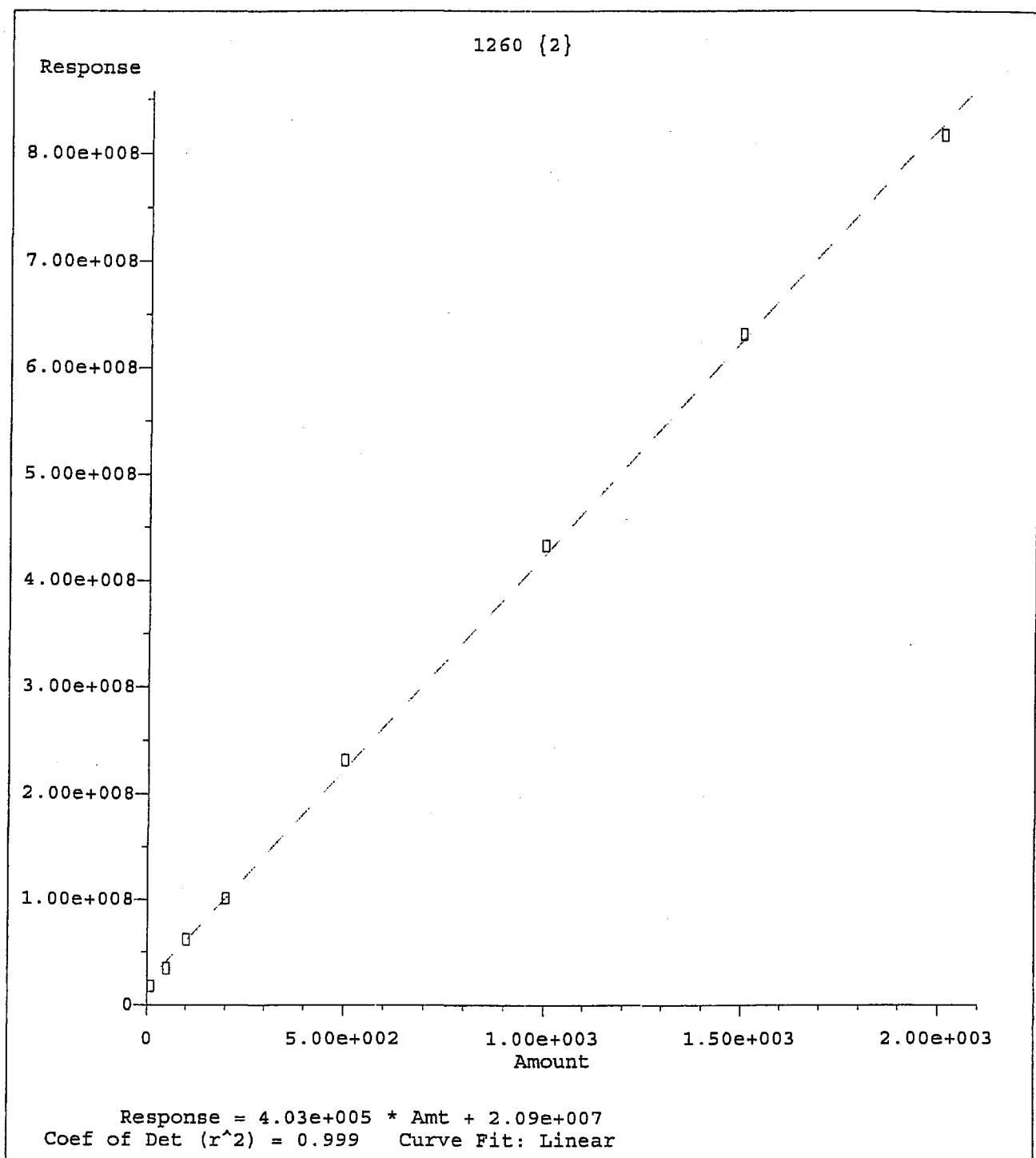
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



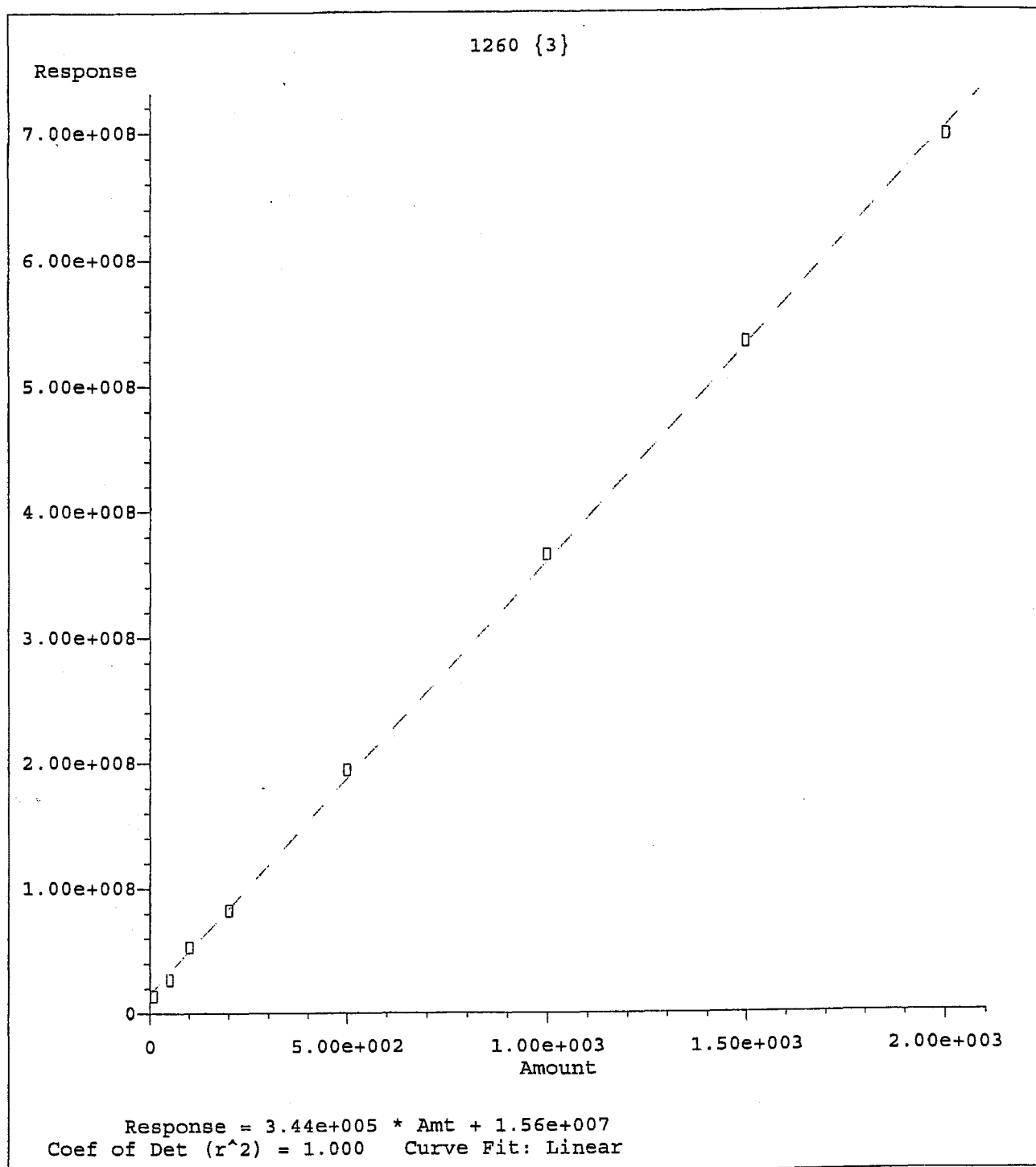
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



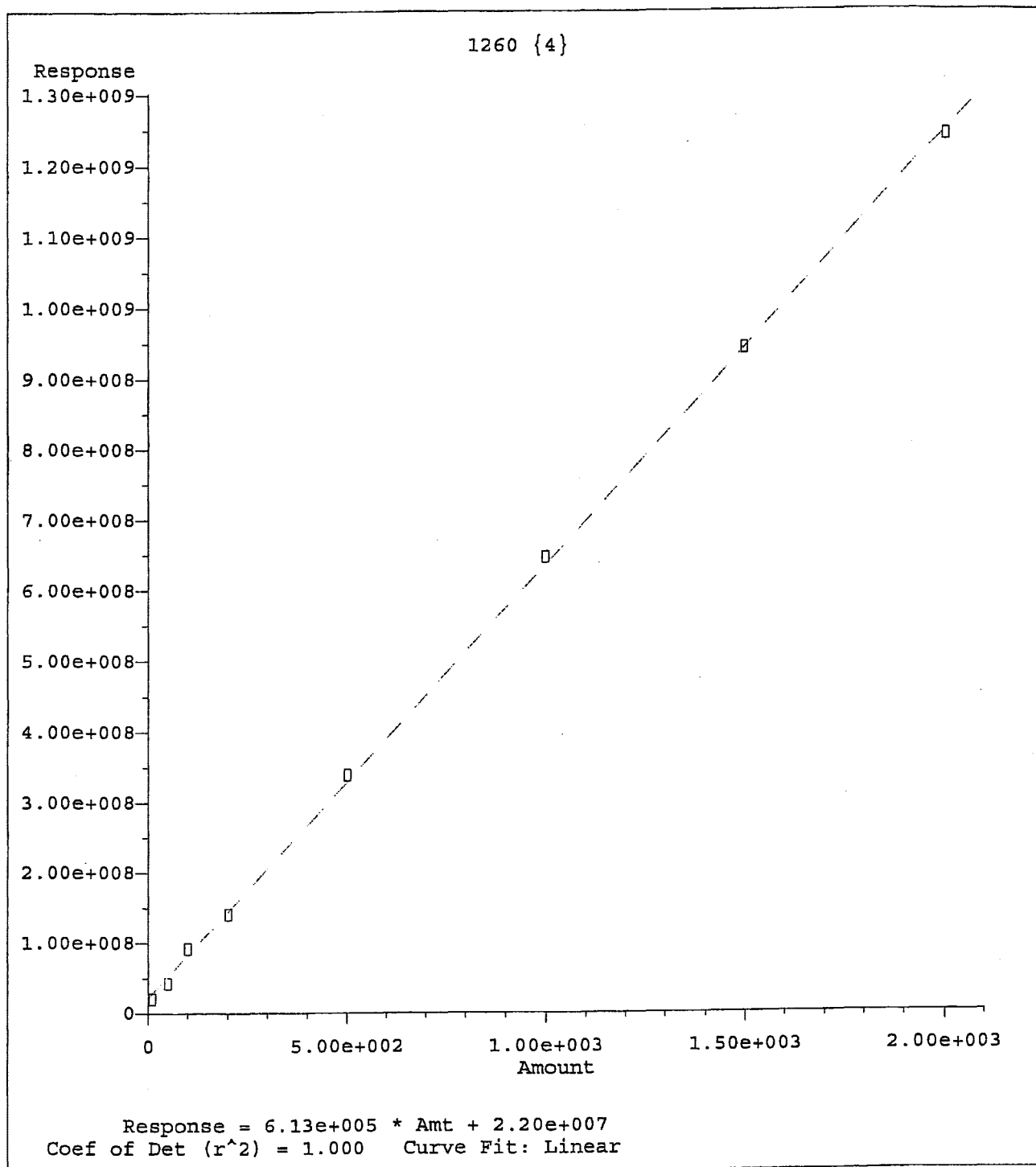
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

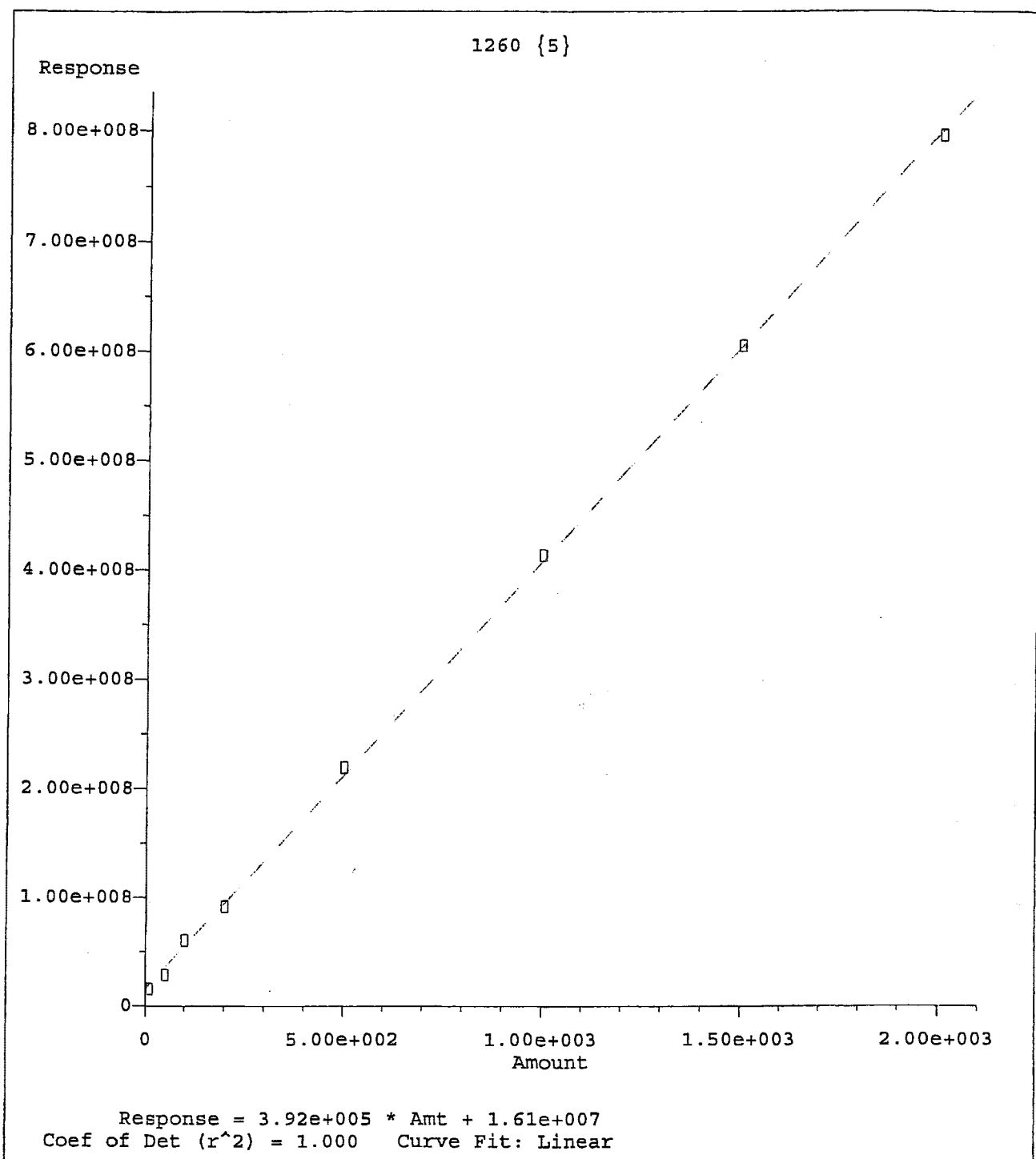


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

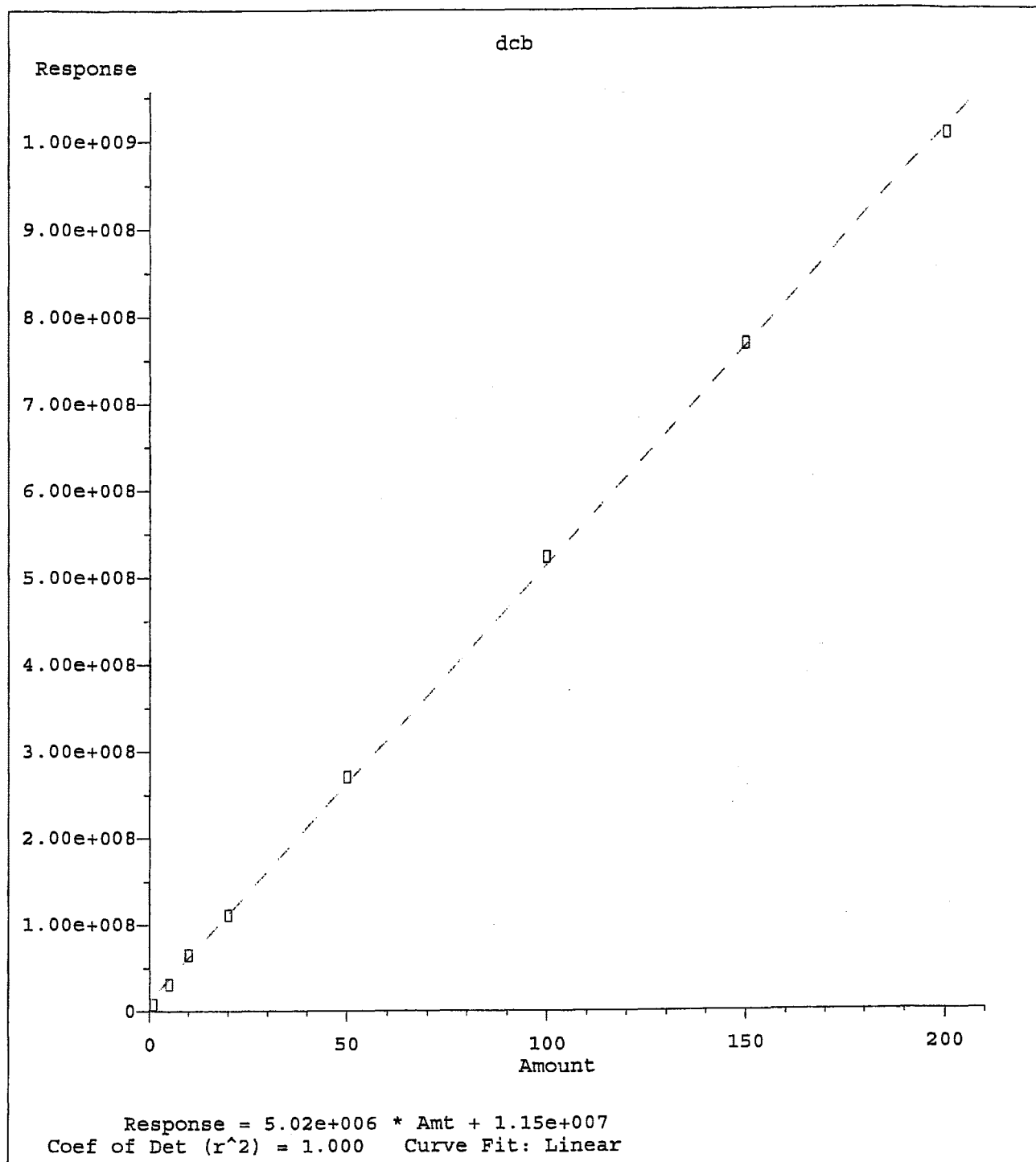


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

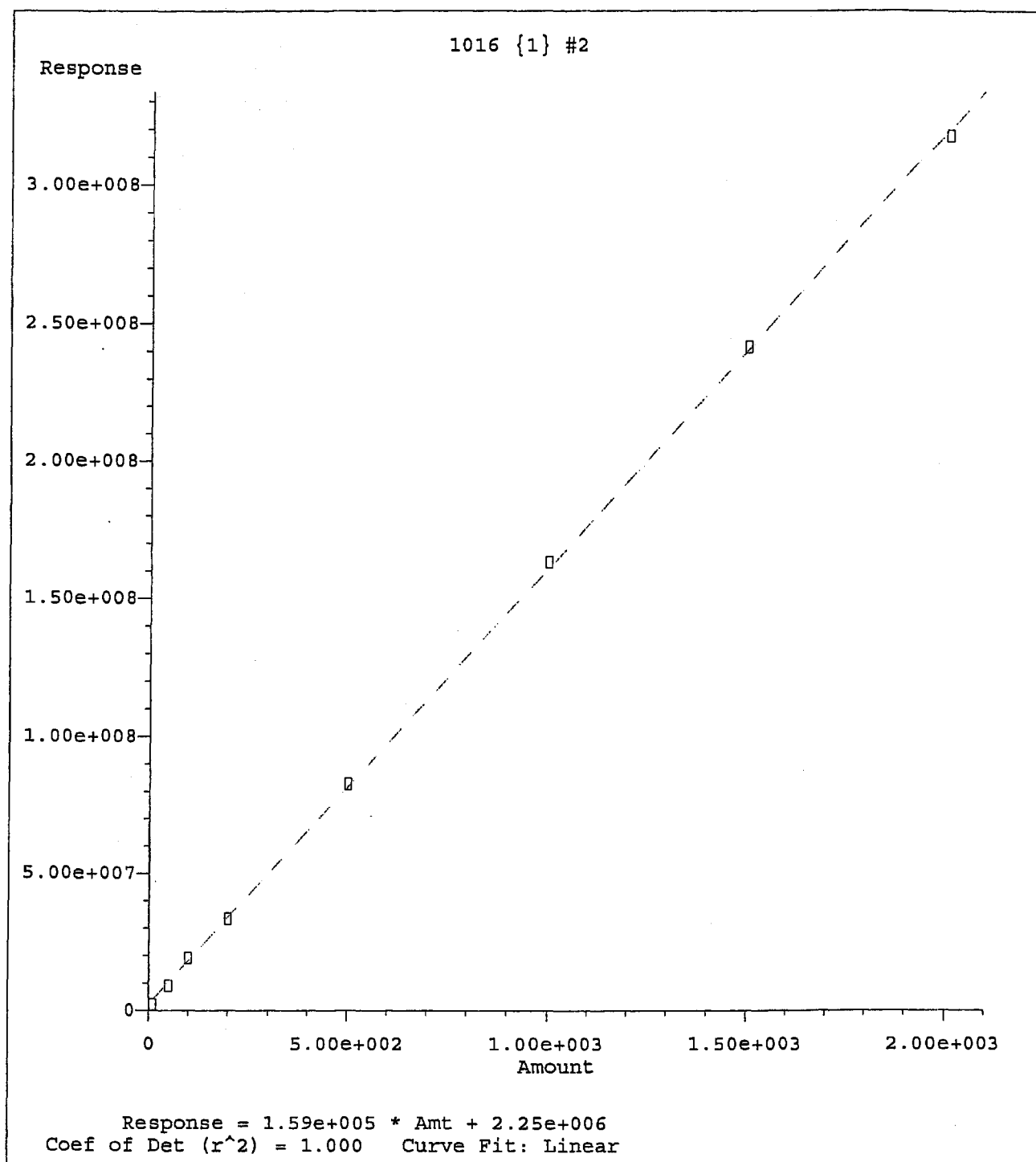




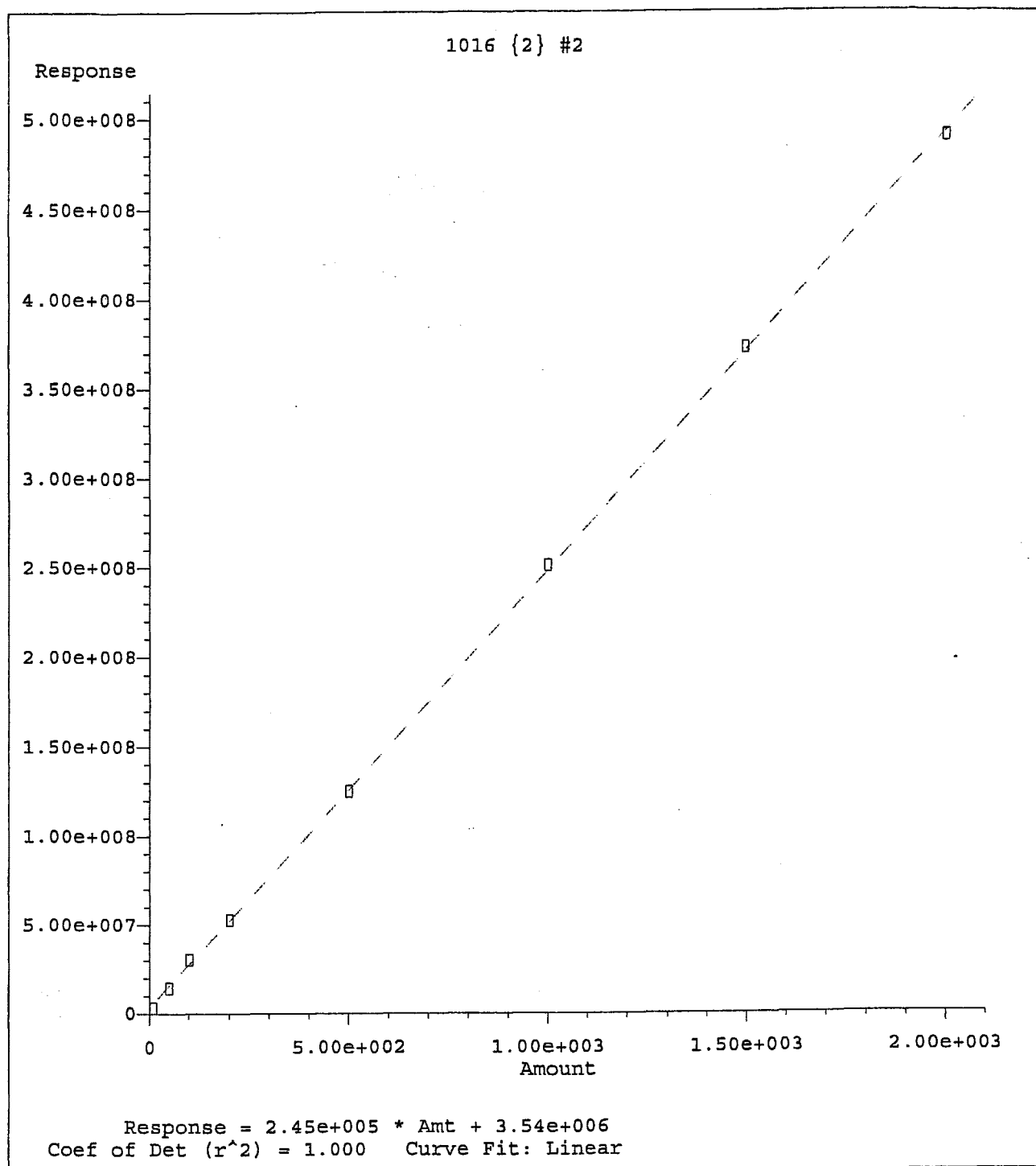
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



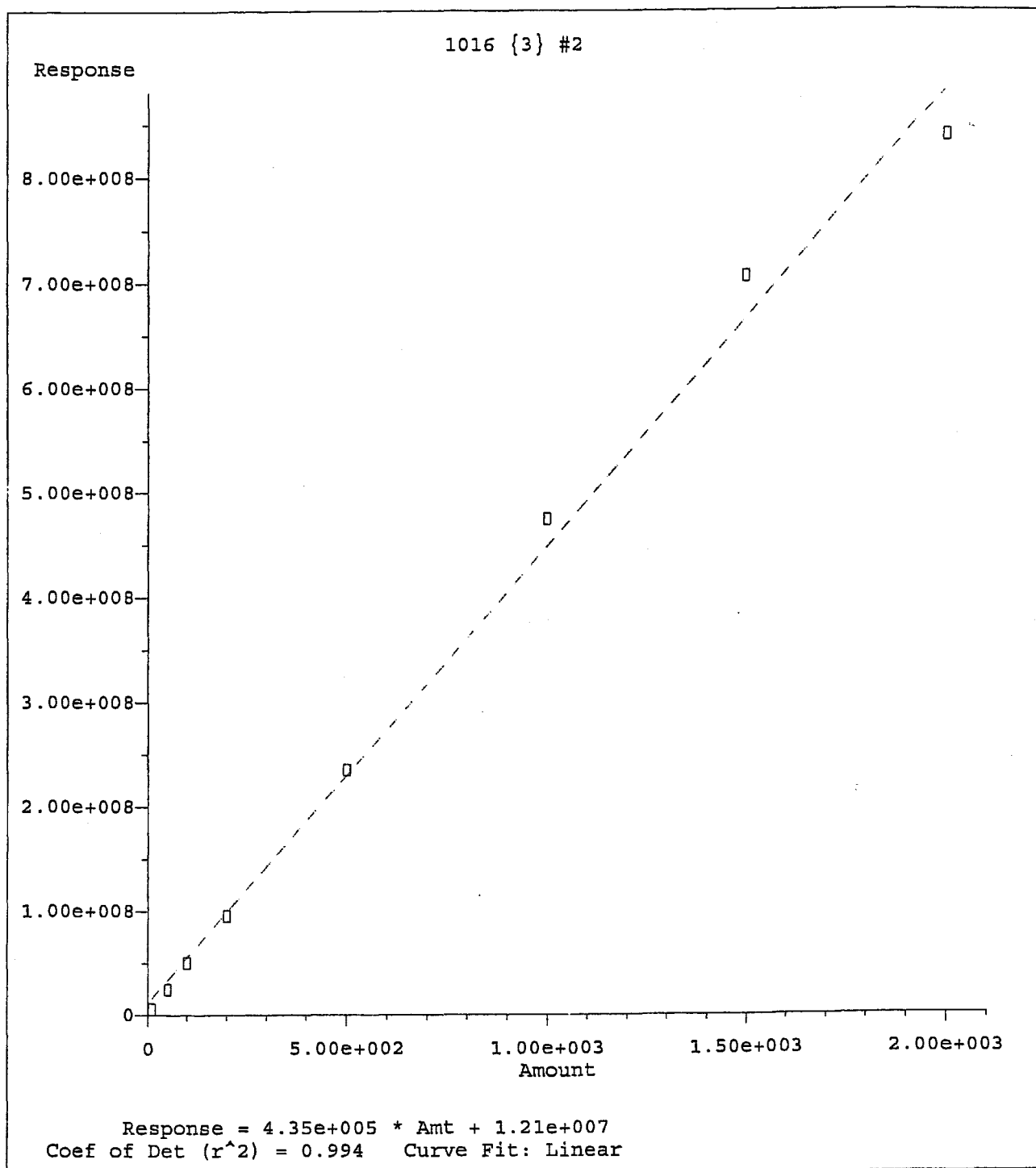
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

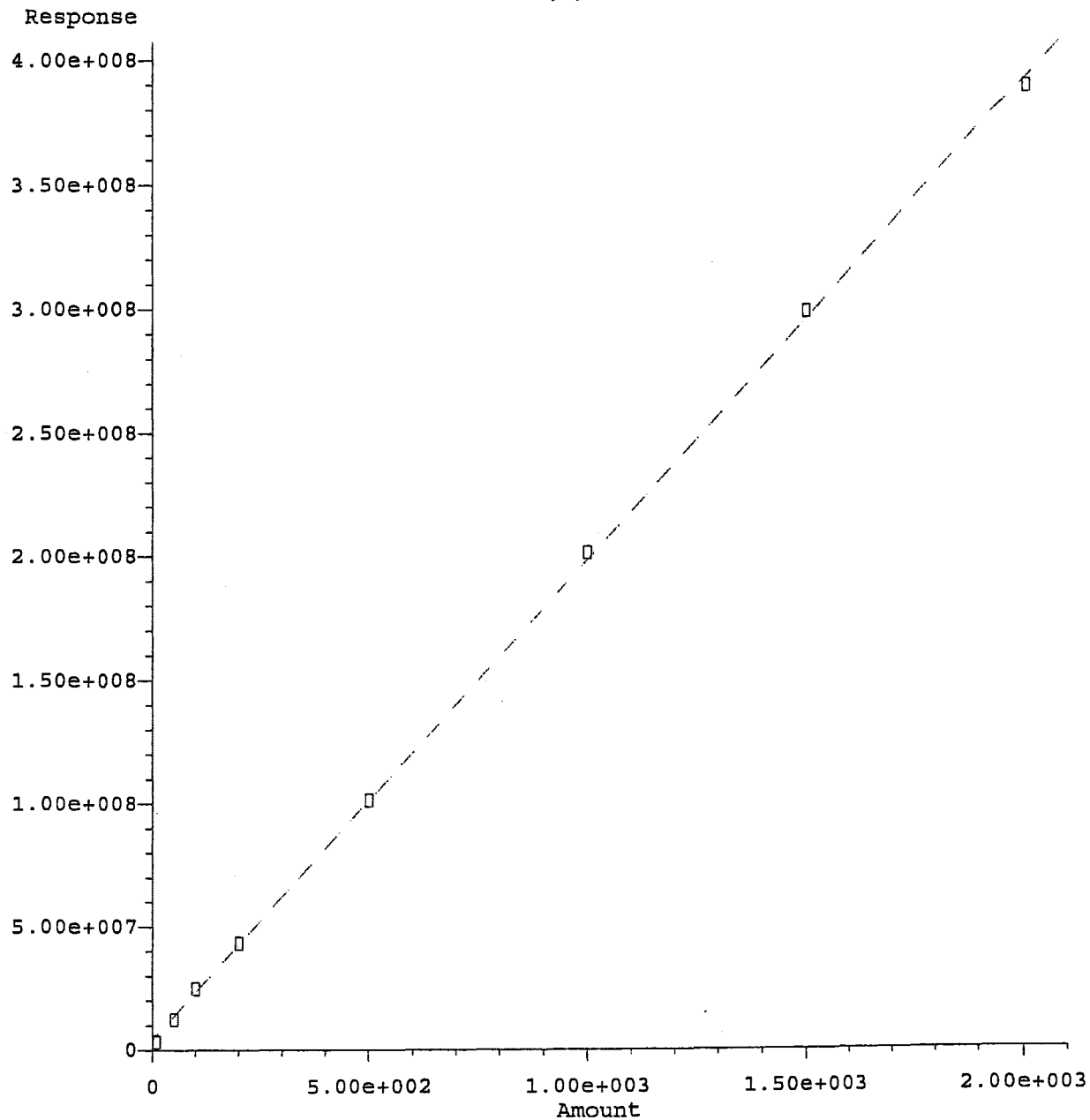


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



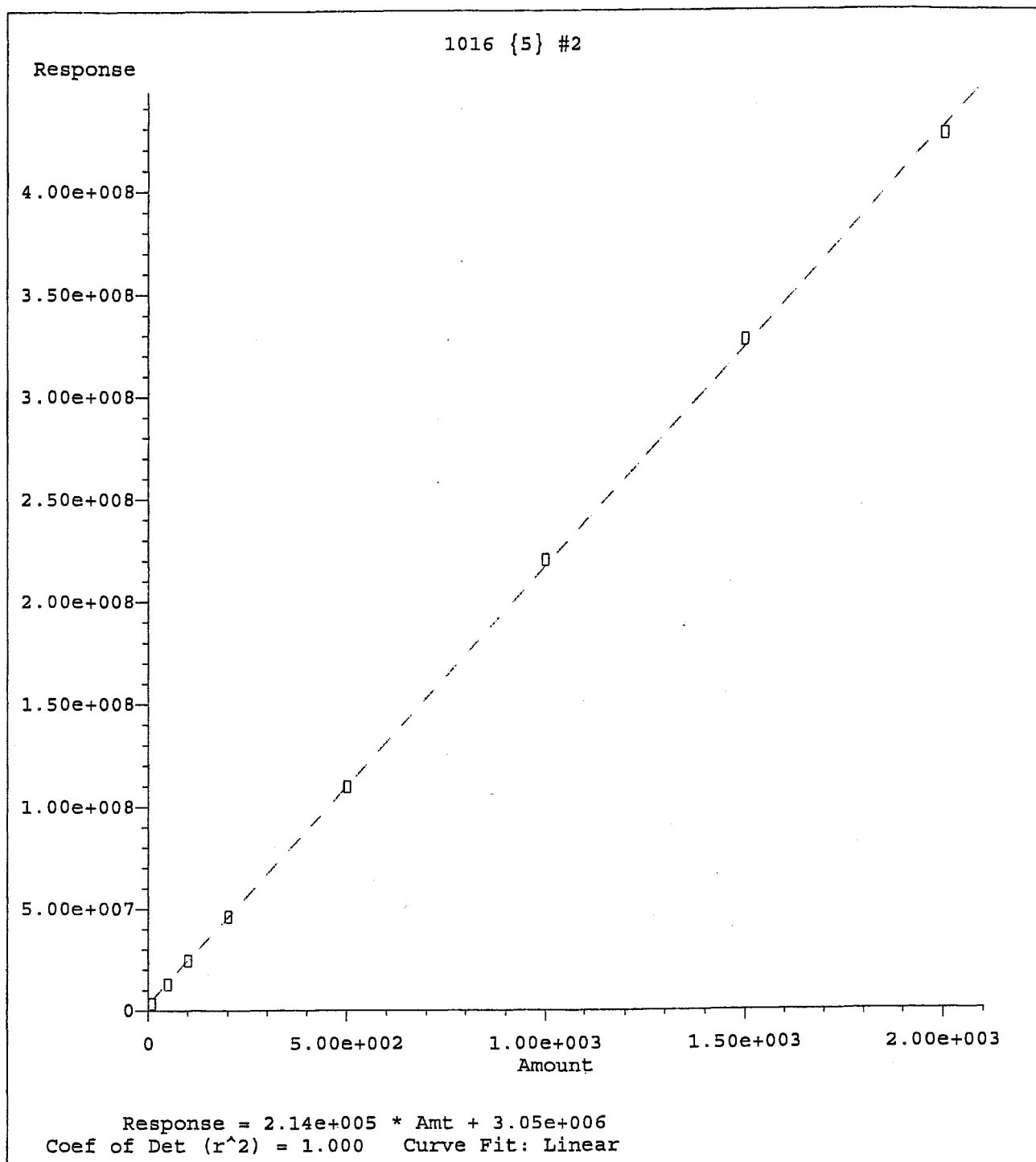
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

1016 {4} #2

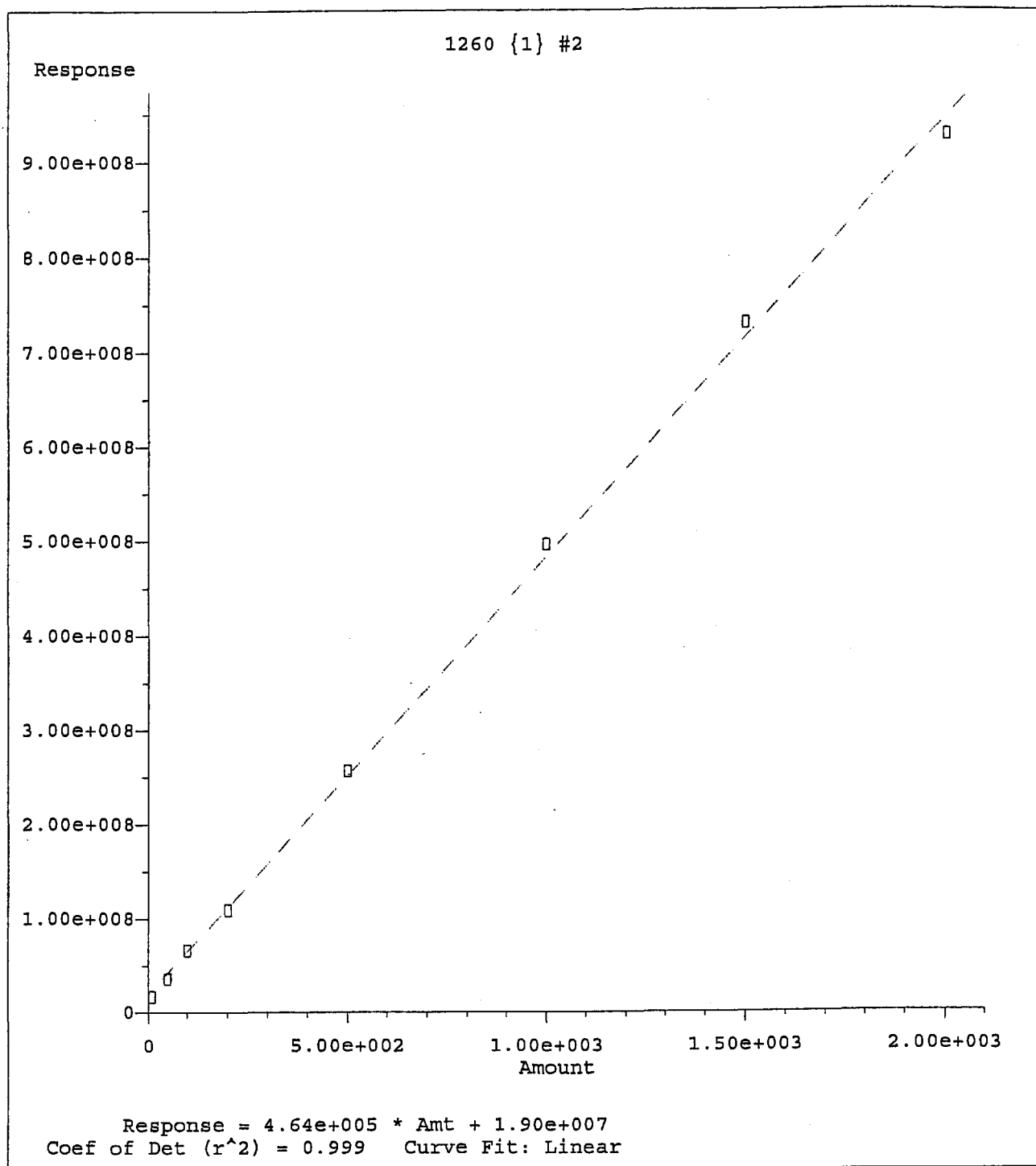


Response = 1.94e+005 \* Amt + 4.19e+006  
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

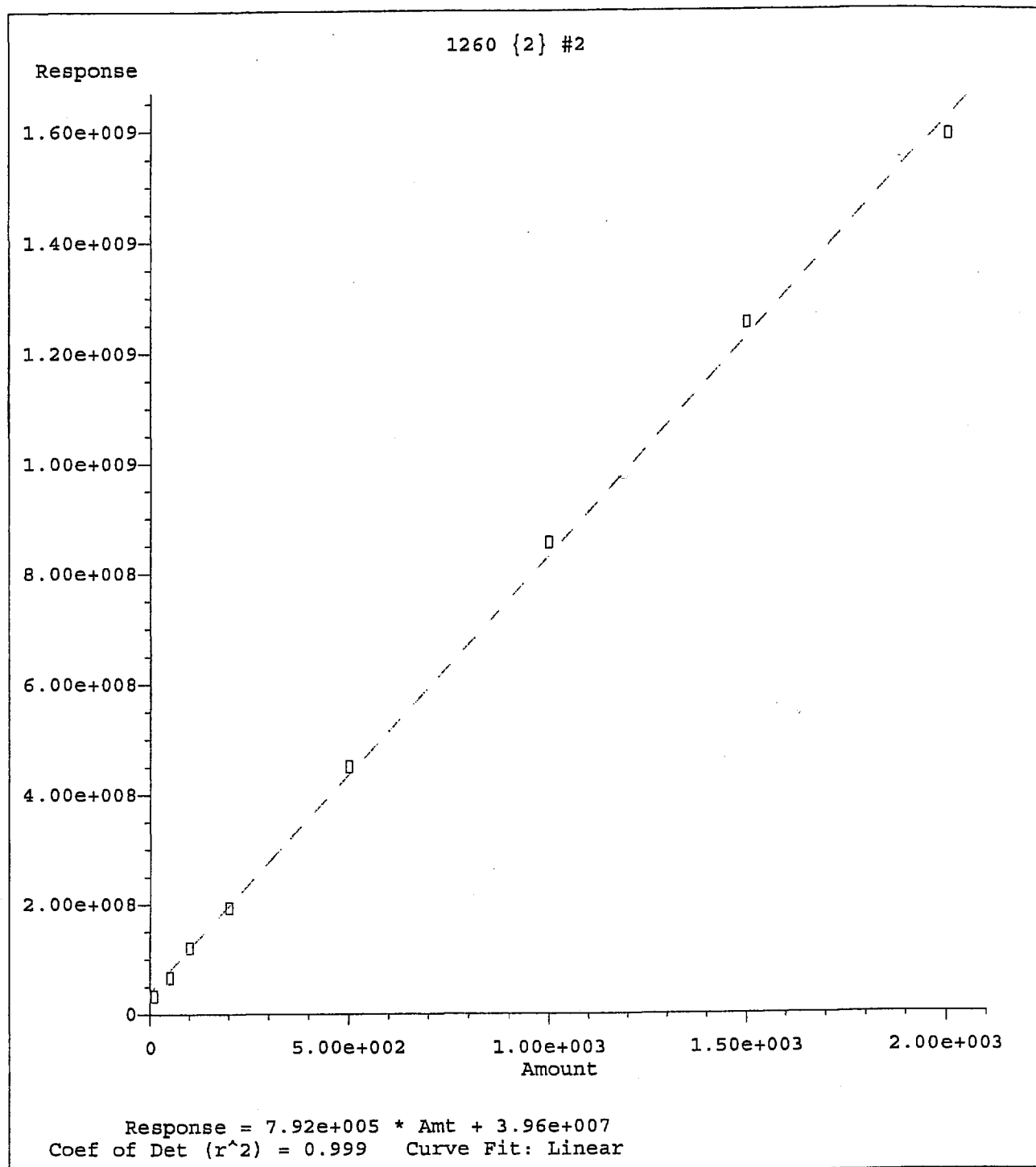


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

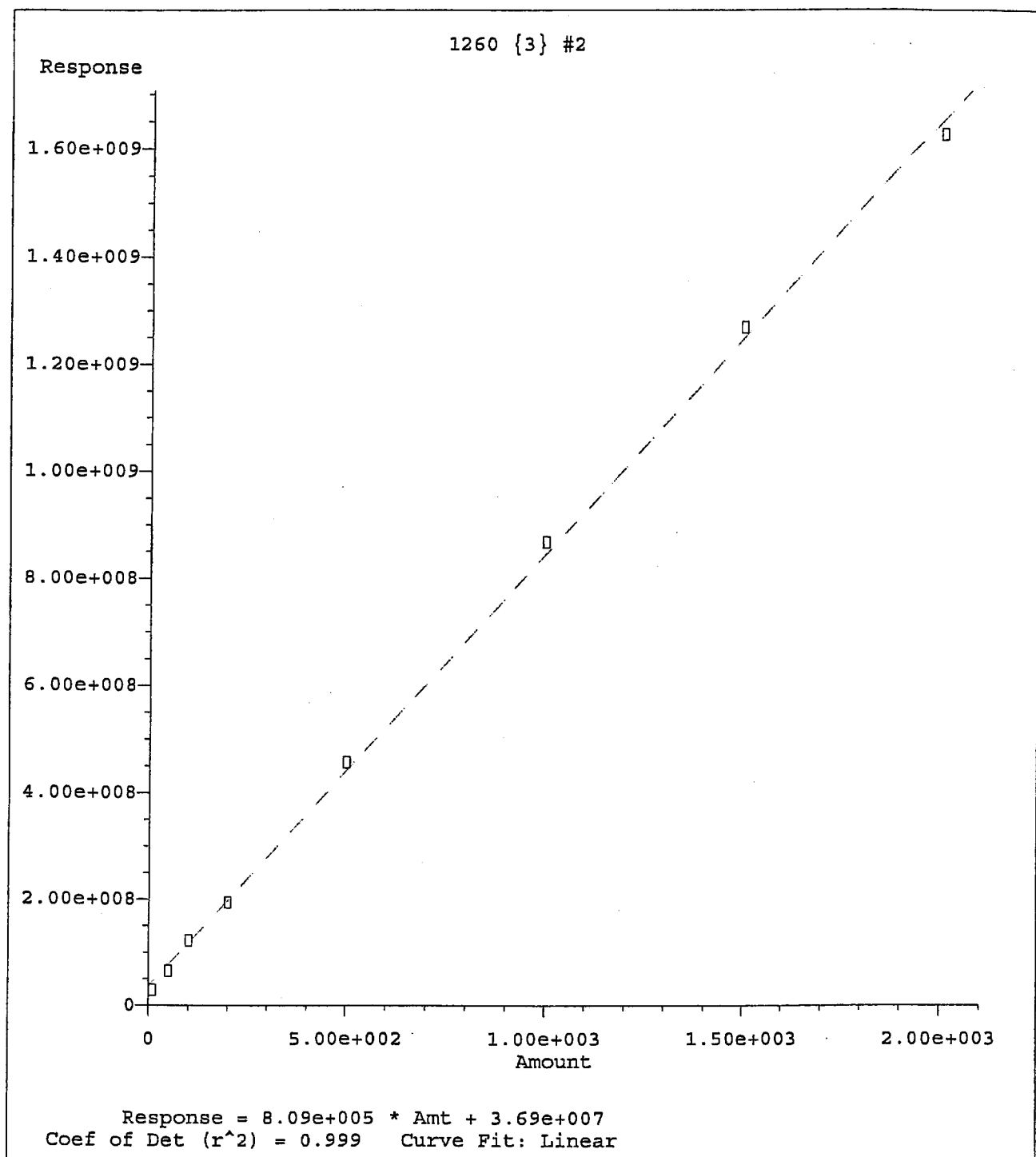


Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

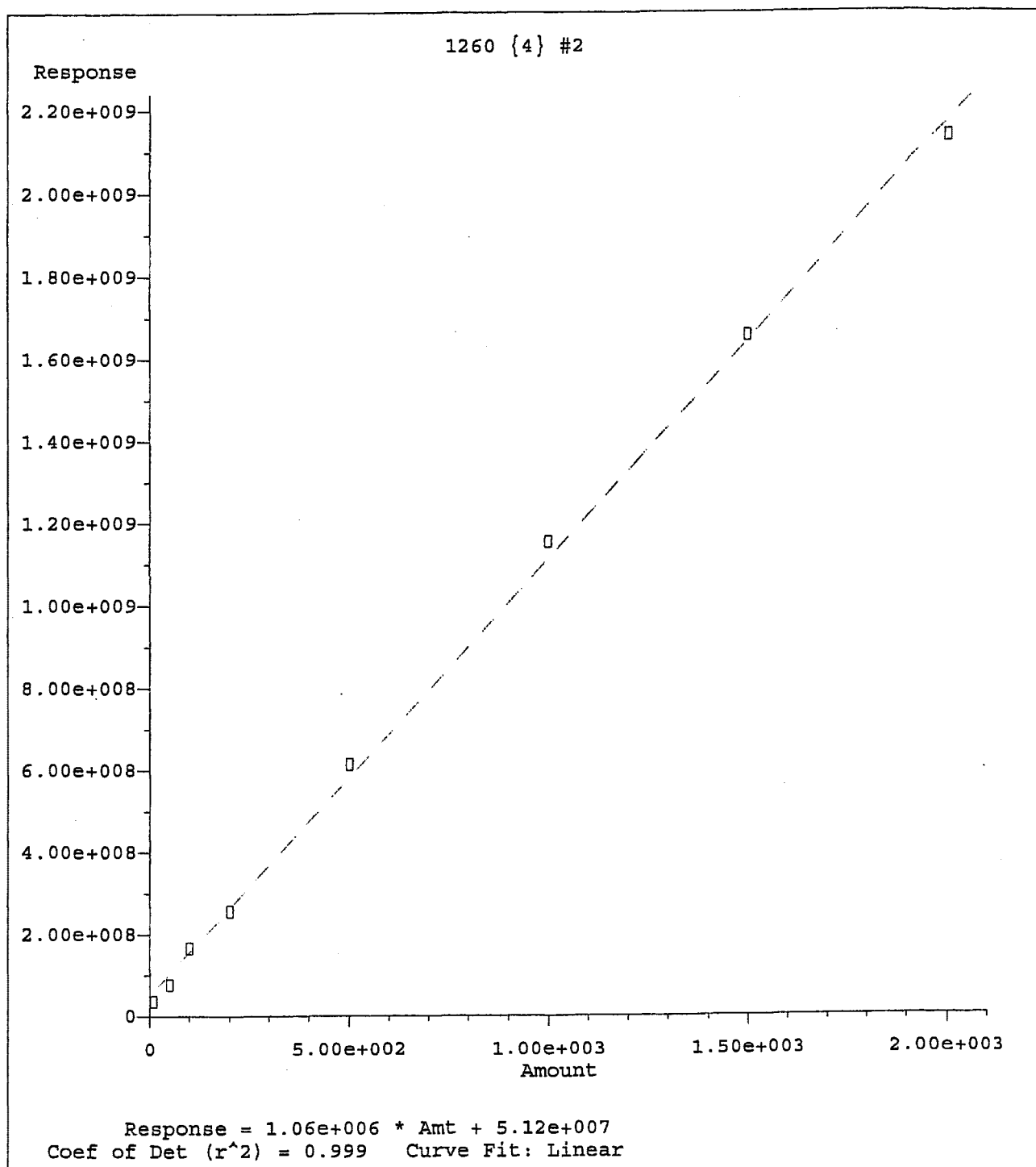




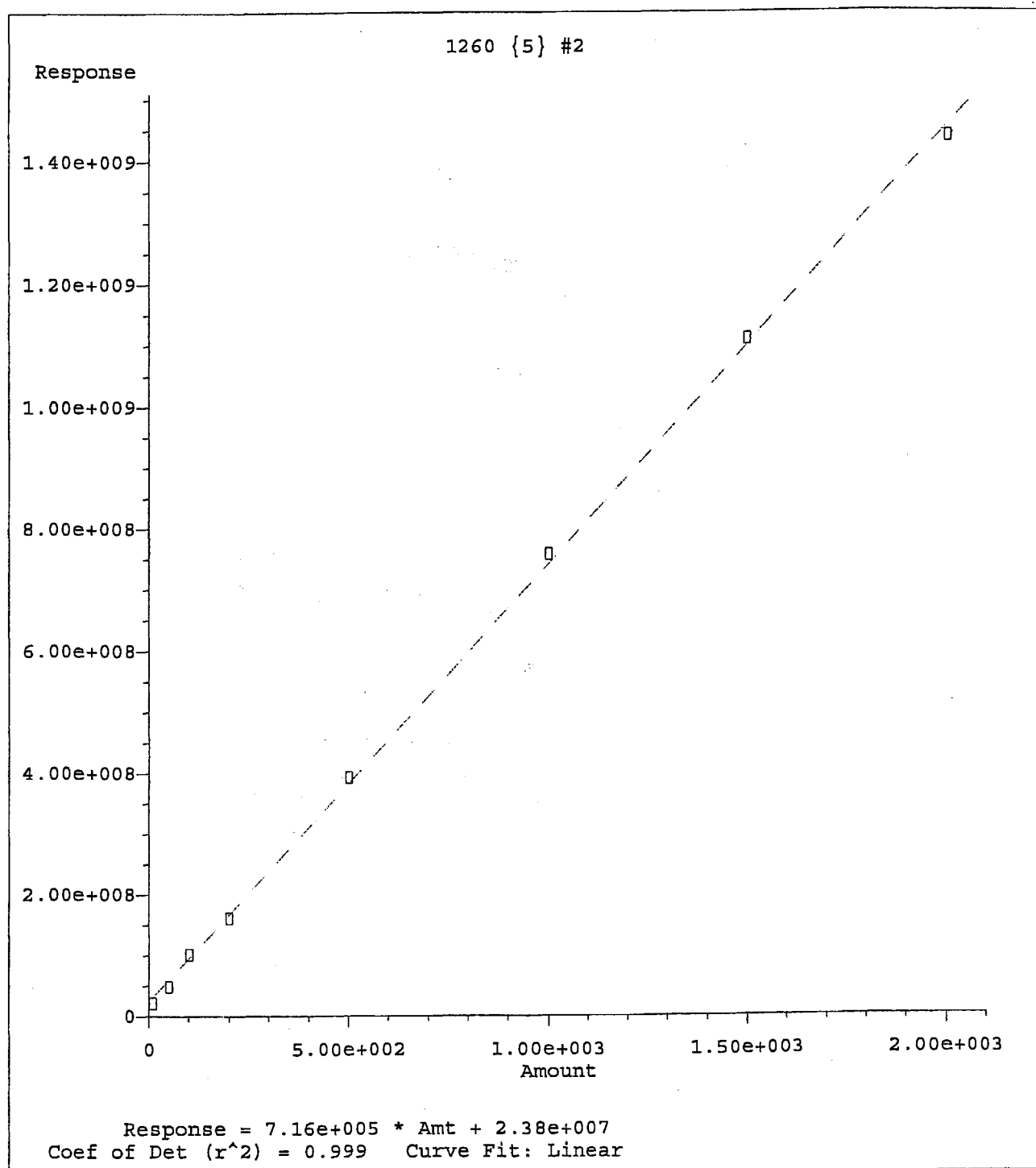
Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005



Method Name: C:\MSDCHEM\2\METHODS\PCH0705.M  
Calibration Table Last Updated: Mon Aug 08 07:47:31 2005

## Injection Log

Directory: g:\msdchem\2\data\080705

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	96	h07001.d	0.	5H07003-IBL1	1x	7 Aug 05 09:34
2	96	h07002.d	0.	5H07003-IBL2	1x	7 Aug 05 09:52
3	96	h07003.d	0.	5H07003-IBL3	1x	7 Aug 05 10:10
4	96	h07004.d	0.	5H07003-IBL4	1x	7 Aug 05 10:28
5	1	h07005.d	0.	5H07003-IBL5	1x	7 Aug 05 10:47
6	1	h07006.d	0.	5H07003-CAL1	1x 5060004 10ug/L	7 Aug 05 11:05
7	2	h07007.d	0.	5H07003-CAL2	1x 5060005 50ug/L	7 Aug 05 11:23
8	3	h07008.d	0.	5H07003-CAL3	1x 5060006 100ug/L	7 Aug 05 11:42
9	4	h07009.d	0.	5H07003-CAL4	1x 5060007 200ug/L	7 Aug 05 12:00
10	5	h07010.d	0.	5H07003-CAL5	1x 5080100 500ug/L	7 Aug 05 12:18
11	6	h07011.d	0.	5H07003-CAL6	1x 5080101 1000ug/L	7 Aug 05 12:36
12	7	h07012.d	0.	5H07003-CAL7	1x 5060010 1500ug/L	7 Aug 05 12:55
13	8	h07013.d	0.	5H07003-CAL8	1x 5010011 2000ug/L	7 Aug 05 13:13
14	9	h07014.d	0.	5H07003-SCV1	1x 5080113 500ug/L 2nd	7 Aug 05 13:31
15	9	h07015.d	0.	5H07003-SCV2	1x 5080113 500ug/L 2nd	7 Aug 05 13:49
16	10	h07016.d	0.	5H07003-CAL9	1x 4110193 1221	7 Aug 05 14:08
17	11	h07017.d	0.	5H07003-CALA	1x 4110195 1232	7 Aug 05 14:26
18	12	h07018.d	0.	5H07003-CALB	1x 5010281 1242	7 Aug 05 14:44
19	13	h07019.d	0.	5H07003-CALC	1x 5010282 1248	7 Aug 05 15:03
20	14	h07020.d	0.	5H07003-CALD	1x 5010283 1254	7 Aug 05 15:21
21	15	h07021.d	0.	5H07003-CALE	1x 5010284 1262	7 Aug 05 15:39
22	16	h07022.d	0.	5H07003-CALF	1x 5010285 1268	7 Aug 05 15:57
23	100	h07023.d	0.	5H07003-CCV1	1x 5080100 500ug/L	7 Aug 05 16:16
24	100	h07024.d	0.	5H07003-CCV2	1x 5080100 500ug/L	7 Aug 05 16:34
25	17	h07025.d	0.	5H04061-BLK1	1x	7 Aug 05 16:52
26	18	h07026.d	0.	5H04061-BS1	1x	7 Aug 05 17:11
27	19	h07027.d	0.	5H04061-BSD1	1x	7 Aug 05 17:29
28	21	h07028.d	0.	5H02046-BLK1	1x	7 Aug 05 17:47
29	22	h07029.d	0.	5H02046-BS1	1x	7 Aug 05 18:05
30	23	h07030.d	0.	5H02046-BSD1	1x	7 Aug 05 18:24
31	20	h07031.d	0.	B5G0565-02	50x	7 Aug 05 18:42
32	24	h07032.d	0.	B5G0649-01 <i>mis-inj</i>	1x	7 Aug 05 19:00

*ACTH0705*

*all 8.8.05*  
*Hex lot# 050139*

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07015.D

Acq On : 07 Aug 2005 13:49

Operator: eg

Sample : 5H07003-SCV2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080113 500ug/L 2nd

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 08 12:17:25 2005

QLast Update : Mon Aug 08 07:47:31 2005

Response via : Initial Calibration

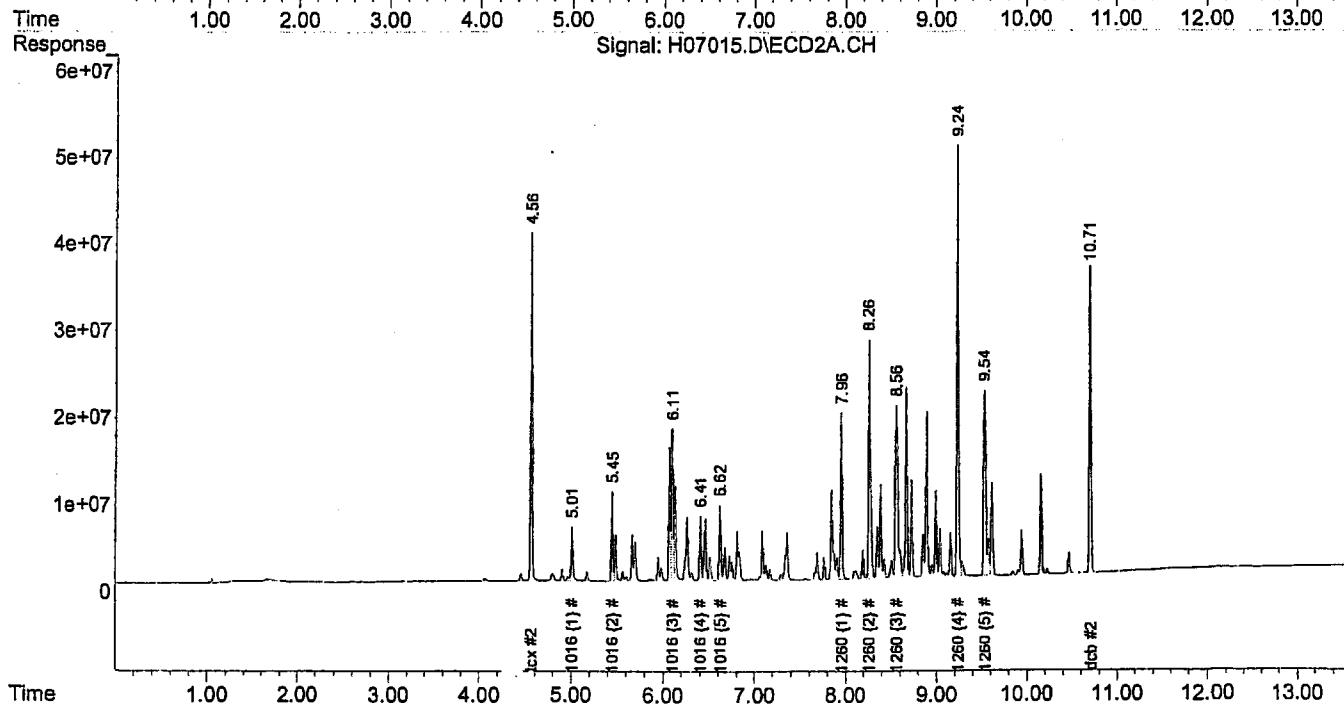
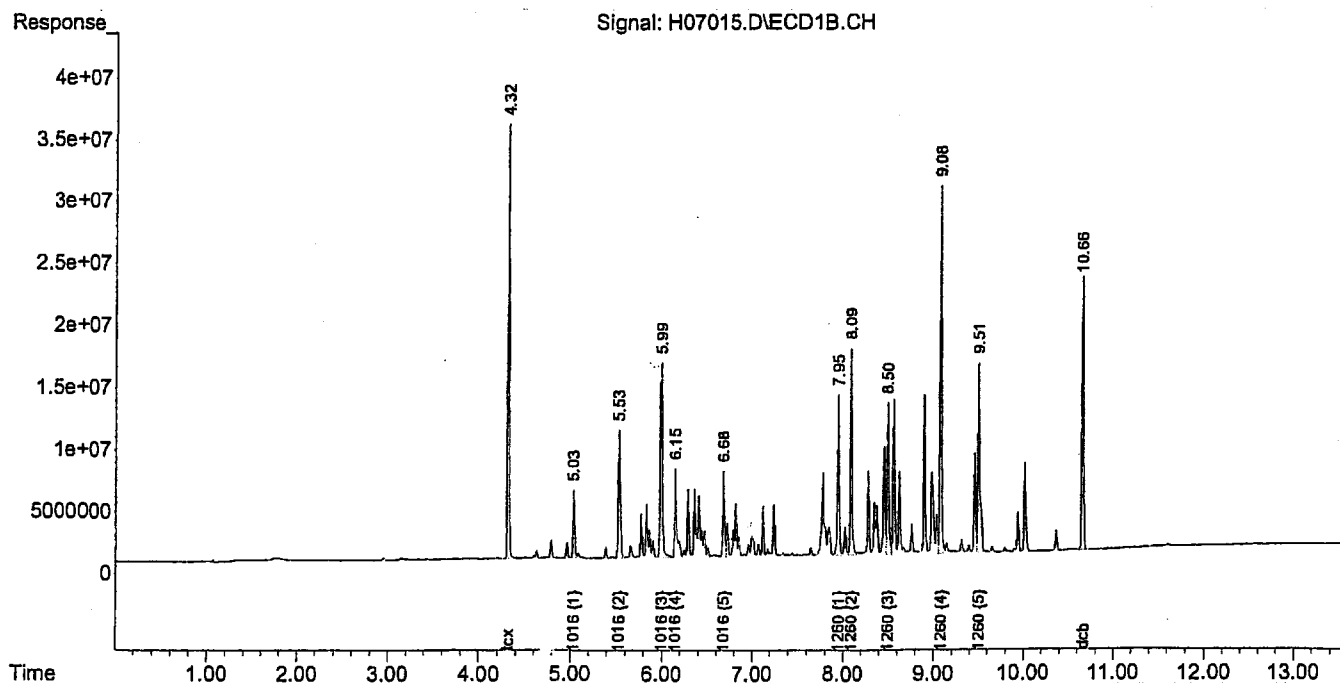
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07015.D

Acq On : 07 Aug 2005 13:49

Sample : 5H07003-SCV2

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080113 500ug/L 2nd

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 08 12:18:16 2005

QLast Update : Mon Aug 08 07:47:31 2005

Response via : Initial Calibration

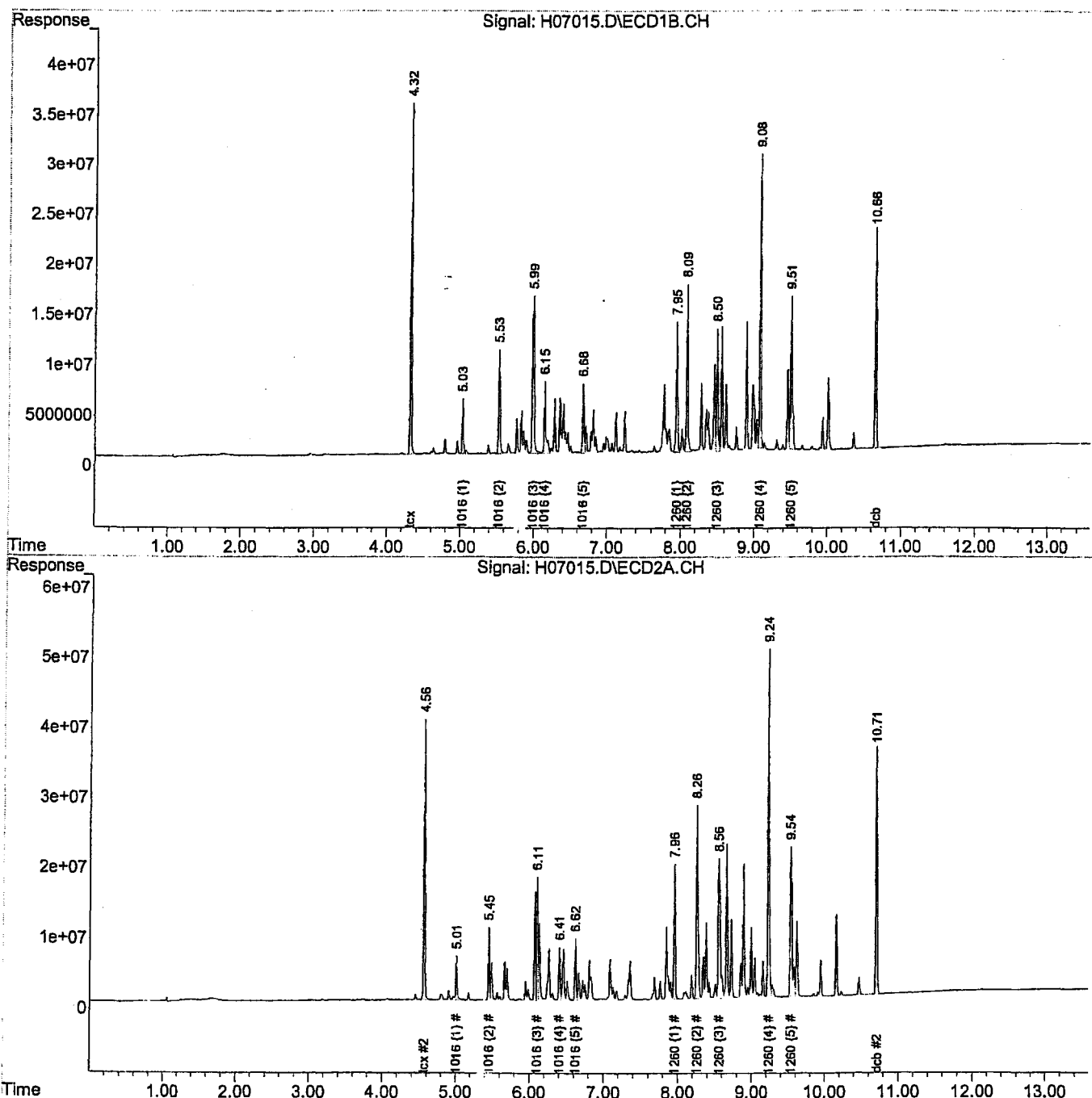
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07015.D

Acq On : 07 Aug 2005 13:49

Operator: eg

Sample : 5H07003-SCV2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080113 500ug/L 2nd

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 08 12:18:16 2005

QLast Update : Mon Aug 08 07:47:31 2005

Response via : Initial Calibration

Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.32	4.56	399.3E6	470.5E6	46.569	47.944
12) s dcb	10.66	10.71	293.9E6	473.8E6	56.256	54.391
Target Compounds						
2) L1 1016 {1}	5.04	5.01	67309148	90998571	522.992	559.163
3) L1 1016 {2}	5.53	5.45	156.7E6	120.5E6	484.220	478.325
4) L1 1016 {3}	5.99	6.11	308.8E6	222.3E6	475.853	482.685
5) L1 1016 {4}	6.15	6.41	119.3E6	95923144	492.206	473.397
6) L1 1016 {5}	6.68	6.62	99261106	107.6E6	501.828	489.084
Sum 1016			751.3E6	637.3E6	2477.099	2482.654
Average 1016					495.420	496.531
7) L2 1260 {1}	7.95	7.96	174.7E6	246.3E6	475.891	490.124
8) L2 1260 {2}	8.09	8.26	223.1E6	421.4E6	501.339	482.008
9) L2 1260 {3}	8.50	8.56	166.8E6	403.5E6	439.880	453.261
10) L2 1260 {4}	9.08	9.24	371.8E6	648.7E6	570.753m	563.647m
11) L2 1260 {5}	9.51	9.54	238.2E6	428.2E6	566.615m	564.898
Sum 1260			1174.6E6	2148.0E6	2554.478	2553.937
Average 1260					510.896	510.787
-----						

(f)=RT Delta &gt; 1/2 Window (#)=Amounts differ by &gt; 40% (m)=manual int.



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07015.D

Acq On : 07 Aug 2005 13:49

Operator: eg

Sample : 5H07003-SCV2

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5080113 500ug/L 2nd

Multiplr: 1.00

Integration File signal 1: AUTOINT1.E

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 08 12:17:25 2005

QLast Update : Mon Aug 08 07:47:31 2005

Response via : Initial Calibration

Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.32	4.56	399.3E6	470.5E6	46.569	47.944
12) s dcb	10.66	10.71	293.9E6	473.8E6	56.256	54.391
Target Compounds						
2) L1 1016 {1}	5.04	5.01	67309148	90998571	522.992	559.163
3) L1 1016 {2}	5.53	5.45	156.7E6	120.5E6	484.220	478.325
4) L1 1016 {3}	5.99	6.11	308.8E6	222.3E6	475.853	482.685
5) L1 1016 {4}	6.15	6.41	119.3E6	95923144	492.206	473.397
6) L1 1016 {5}	6.68	6.62	99261106	107.6E6	501.828	489.084
Sum 1016			751.3E6	637.3E6	2477.099	2482.654
Average 1016					495.420	496.531
7) L2 1260 {1}	7.95	7.96	174.7E6	246.3E6	475.891	490.124
8) L2 1260 {2}	8.09	8.26	223.1E6	421.4E6	501.339	482.008
9) L2 1260 {3}	8.50	8.56	166.8E6	403.5E6	439.880	453.261
10) L2 1260 {4}	9.08	9.24	385.0E6	654.6E6	592.181	569.214
11) L2 1260 {5}	9.51	9.54	246.0E6	428.2E6	586.575	564.898
Sum 1260			1195.5E6	2153.9E6	2595.866	2559.505
Average 1260					519.173	511.901

-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07015.D  
 Acq On : 07 Aug 2005 13:49 Operator: eg  
 Sample : 5H07003-SCV2 Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5080113 500ug/L 2nd Multiplr: 1.00

Integration File signal 1: AUTOINT1.E  
 Integration File signal 2: 1016#3.E  
 Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M  
 Quant Title : Method 8082 - 1016/1260 Initial Calibration  
 Quant Time: Aug 08 12:18:16 2005  
 QLast Update : Mon Aug 08 07:47:31 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 s	tcx	50.000	46.569	6.9	96	0.00
2 L1	1016 {1}	500.000	522.992	-4.6	104	0.00
3 L1	1016 {2}	500.000	484.220	3.2	98	0.00
4 L1	1016 {3}	500.000	475.853	4.8	96	0.00
5 L1	1016 {4}	500.000	492.206	1.6	97	0.00
6 L1	1016 {5}	500.000	501.828	-0.4	100	0.00
7 L2	1260 {1}	500.000	475.891	4.8	93	0.00
8 L2	1260 {2}	500.000	501.339	-0.3	96	0.00
9 L2	1260 {3}	500.000	439.880	12.0	86	0.00
10 L2	1260 {4}	500.000	570.753	-14.2	110	0.00
11 L2	1260 {5}	500.000	566.615	-13.3	109	0.00
12 s	dcb	50.000	56.256	-12.5	109	0.00

## Signal #2

1 s	tcx	50.000	47.944	4.1	96	0.00
2 L1	1016 {1}	500.000	559.163	-11.8	110	0.00
3 L1	1016 {2}	500.000	478.325	4.3	96	0.00
4 L1	1016 {3}	500.000	482.685	3.5	95	0.00
5 L1	1016 {4}	500.000	473.397	5.3	95	0.00
6 L1	1016 {5}	500.000	489.084	2.2	98	0.00
7 L2	1260 {1}	500.000	490.124	2.0	96	0.00
8 L2	1260 {2}	500.000	482.008	3.6	94	0.00
9 L2	1260 {3}	500.000	453.261	9.3	88	0.00
10 L2	1260 {4}	500.000	563.647	-12.7	106	0.00
11 L2	1260 {5}	500.000	564.898	-13.0	109	0.00
12 s	dcb	50.000	54.391	-8.8	109	0.00

Evaluate Continuing Calibration Report - Not Found

## Signal #2

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07015.D  
 Acq On : 07 Aug 2005 13:49 Operator: eg  
 Sample : 5H07003-SCV2 Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5080113 500ug/L 2nd Multiplr: 1.00

Integration File signal 1: AUTOINT1.E  
 Integration File signal 2: 1016#3.E  
 Quant Method : C:\MSDCHEM\2\METHODS\PCH0705.M  
 Quant Title : Method 8082 - 1016/1260 Initial Calibration  
 Quant Time: Aug 08 12:18:16 2005  
 QLast Update : Mon Aug 08 07:47:31 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 s tcx	8.575	7.987 E6	6.9	96	0.00
2 L1 1016 {1}	143.556	134.618 E3	6.2	104	0.00
3 L1 1016 {2}	359.663	313.390 E3	12.9	98	0.00
4 L1 1016 {3}	705.303	617.572 E3	12.4	96	0.00
5 L1 1016 {4}	281.408	238.537 E3	15.2#	97	0.00
6 L1 1016 {5}	217.906	198.522 E3	8.9	100	0.00
7 L2 1260 {1}	566.072	349.407 E3	38.3#	93	0.00
8 L2 1260 {2}	670.405	446.173 E3	33.4#	96	0.00
9 L2 1260 {3}	543.367	333.562 E3	38.6#	86	0.00
10 L2 1260 {4}	888.792	743.647 E3	16.3#	110	0.00
11 L2 1260 {5}	609.821	476.342 E3	21.9#	109	0.00
12 s dcb	5.876	5.878 E6	-0.0	109	0.00

## Signal #2

1 s tcx	9.814	9.410 E6	4.1	96	0.00
2 L1 1016 {1}	175.824	181.997 E3	-3.5	110	0.00
3 L1 1016 {2}	272.655	240.992 E3	11.6	96	0.00
4 L1 1016 {3}	489.994	444.577 E3	9.3	95	0.00
5 L1 1016 {4}	232.252	191.846 E3	17.4#	95	0.00
6 L1 1016 {5}	242.644	215.195 E3	11.3	98	0.00
7 L2 1260 {1}	696.541	492.503 E3	29.3#	96	0.00
8 L2 1260 {2}	1.280	0.843 E6	34.1#	94	0.00
9 L2 1260 {3}	1.231	0.807 E6	34.4#	88	0.00
10 L2 1260 {4}	1.590	1.297 E6	18.4#	106	0.00
11 L2 1260 {5}	993.425	856.484 E3	13.8	109	0.00
12 s dcb	8.712	9.477 E6	-8.8	109	0.00

Evaluate Continuing Calibration Report - Not Found

## Signal #2

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07016.D

Acq On : 07 Aug 2005 14:08

Sample : 5H07003-CAL9

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 4110193 1221

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\21H0705.M

Quant Title : Method 8082 - 1221 1pt Calibration

Quant Time: Aug 08 13:07:13 2005

QLast Update : Mon Aug 08 13:07:08 2005

Response via : Initial Calibration

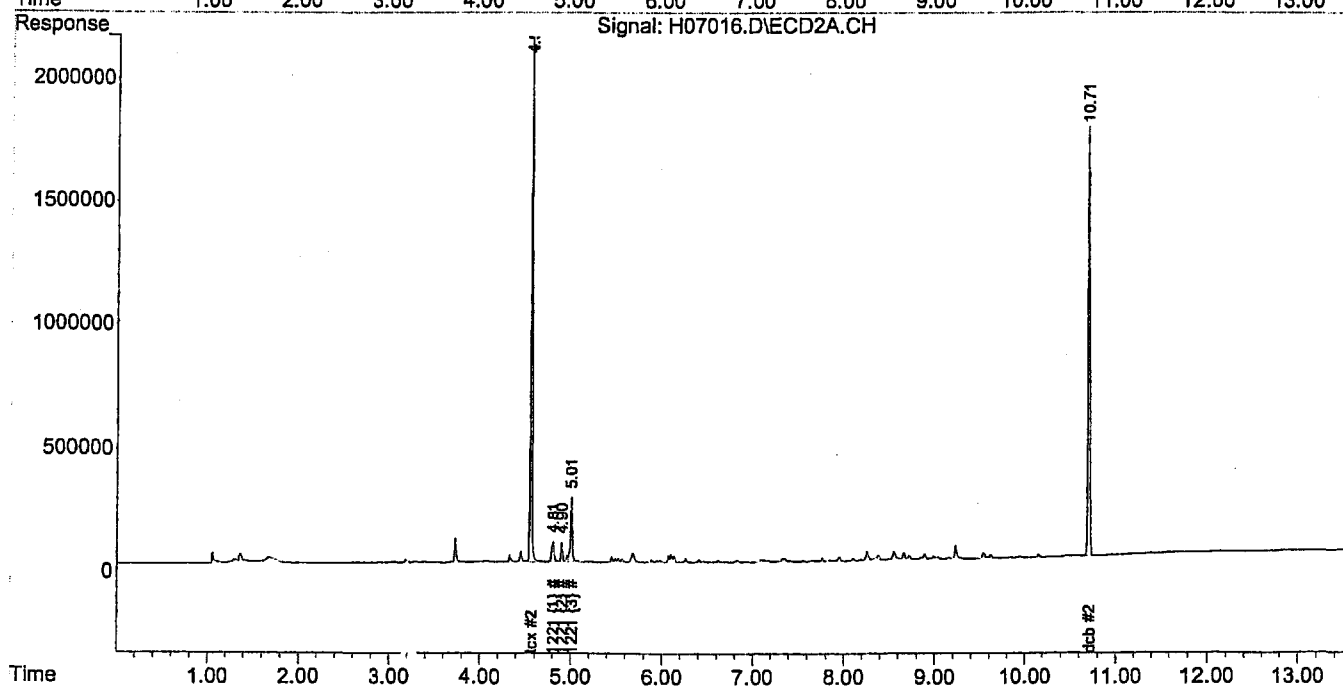
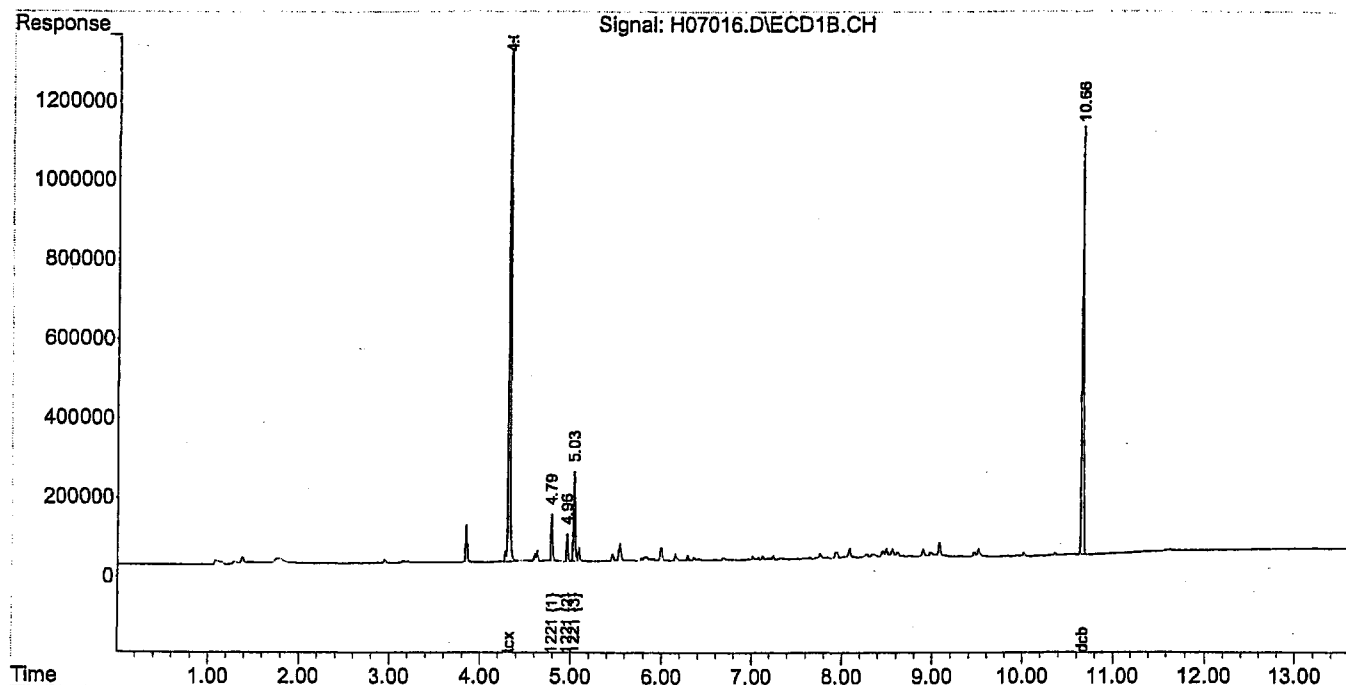
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07016.D  
 Acq On : 07 Aug 2005 14:08 Operator: eg  
 Sample : 5H07003-CAL9 Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 4110193 1221 Multiplr: 1.00

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.E  
 Quant Method : C:\MSDCHEM\2\METHODS\21H0705.M  
 Quant Title : Method 8082 - 1221 1pt Calibration  
 Quant Time: Aug 08 13:07:13 2005  
 QLast Update : Mon Aug 08 13:07:08 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.32	4.56	23278165	26659800	50.000	50.000
5) s dcb	10.66	10.71	14186502	23212748	50.000	50.000
Target Compounds						
2) L1 1221 {1}	4.79	4.81	1616676	1661648	500.000	500.000
3) L1 1221 {2}	4.96	4.90	847708	994435	500.000	500.000
4) L1 1221 {3}	5.04	5.01	2760014	3774708	500.000	500.000
Sum 1221			5224397	6430791	1500.000	1500.000
Average 1221					500.000	500.000

-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

*ccly 8.8.05*

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07017.D

Acq On : 07 Aug 2005 14:26

Sample : 5H07003-CALA

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 4110195 1232

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\32H0705.M

Quant Title : Method 8082 - 1232 1pt Calibration

Quant Time: Aug 08 13:08:23 2005

QLast Update : Mon Aug 08 13:08:19 2005

Response via : Initial Calibration

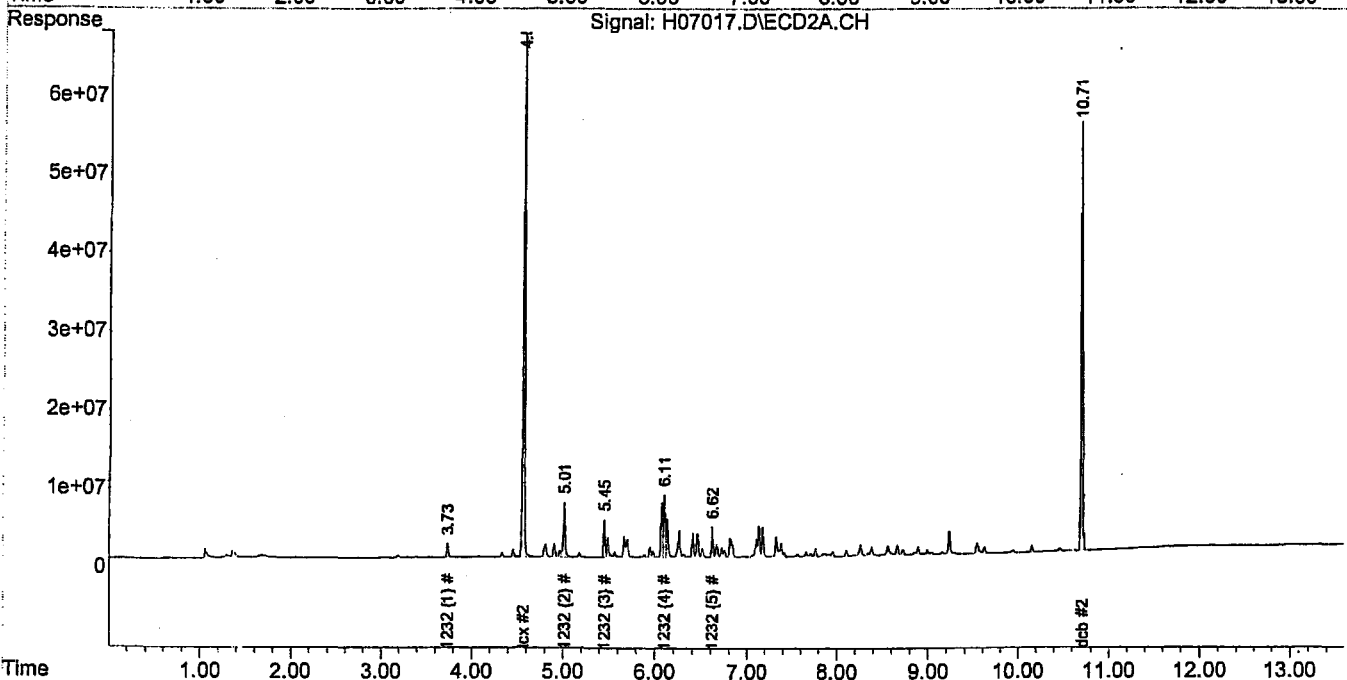
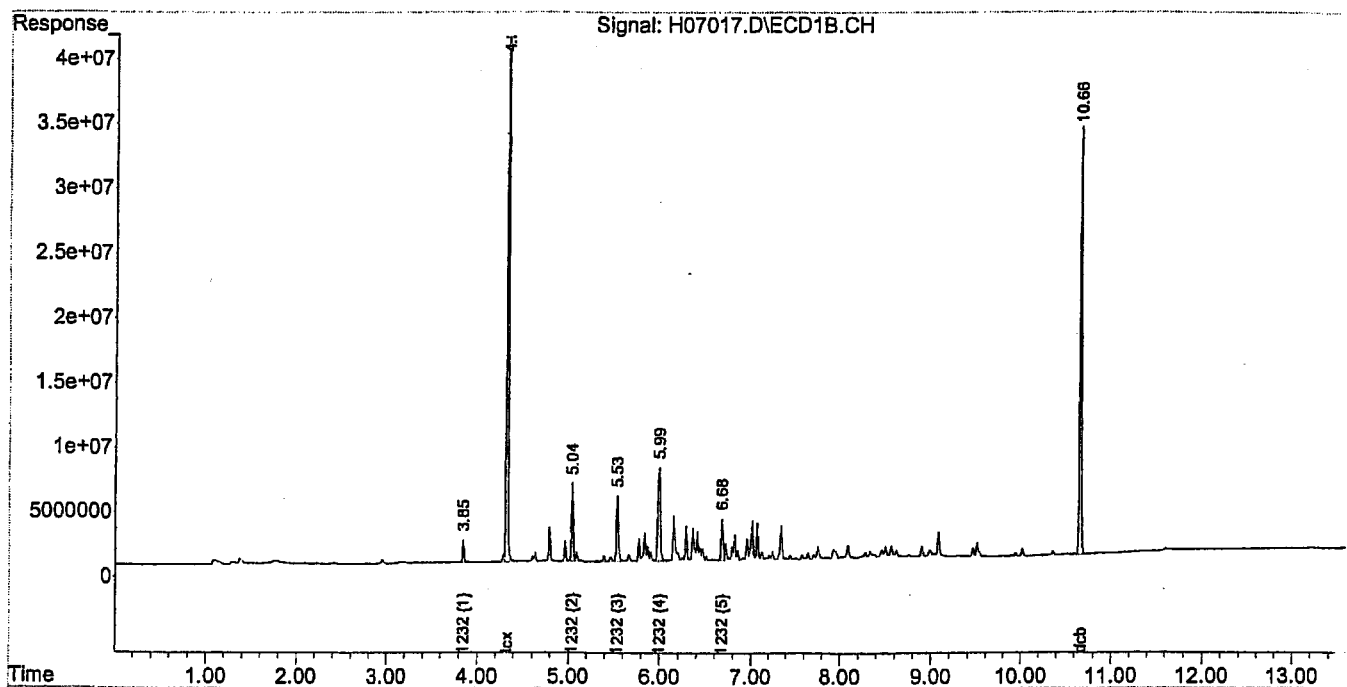
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07017.D

Acq On : 07 Aug 2005 14:26

Operator: eg

Sample : 5H07003-CALA

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 4110195 1232

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\32H0705.M

Quant Title : Method 8082 - 1232 1pt Calibration

Quant Time: Aug 08 13:08:23 2005

QLast Update : Mon Aug 08 13:08:19 2005

Response via : Initial Calibration

Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.32	4.57	739.6E6	863.6E6	50.000	50.000
7) s dcb	10.66	10.71	438.0E6	708.5E6	50.000	50.000
Target Compounds						
2) L1 1232 {1}	3.85	3.74	21973033	24367550	500.000	500.000
3) L1 1232 {2}	5.04	5.01	75198178	99838977	500.000	500.000
4) L1 1232 {3}	5.53	5.45	84098325	57665357	500.000	500.000
5) L1 1232 {4}	5.99	6.11	147.9E6	101.8E6	500.000	500.000
6) L1 1232 {5}	6.68	6.62	50620402	48092854	500.000	500.000
Sum 1232			379.7E6	331.8E6	2500.000	2500.000
Average 1232					500.000	500.000
-----						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Standard is expired.  
Still used for peak ID  
not for quantitation now  
Std ordered, will run  
when it gets in.  
EAG 8.8.05

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07018.D

Acq On : 07 Aug 2005 14:44

Operator: eg

Sample : 5H07003-CALB

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010281 1242

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: 1016#3.E

Quant Method : C:\MSDCHEM\2\METHODS\42H0705.M

Quant Title : Method 8082 - 1016/1260 Initial Calibration

Quant Time: Aug 08 13:09:29 2005

QLast Update : Mon Aug 08 13:09:18 2005

Response via : Initial Calibration

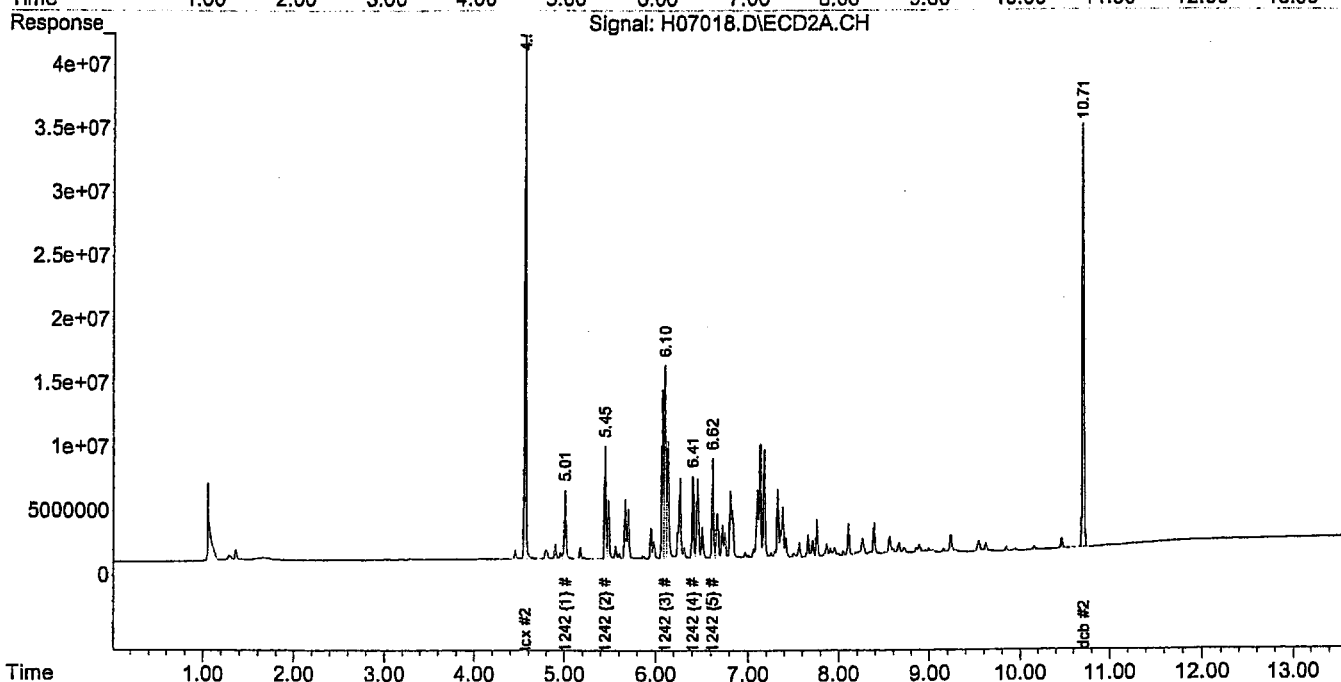
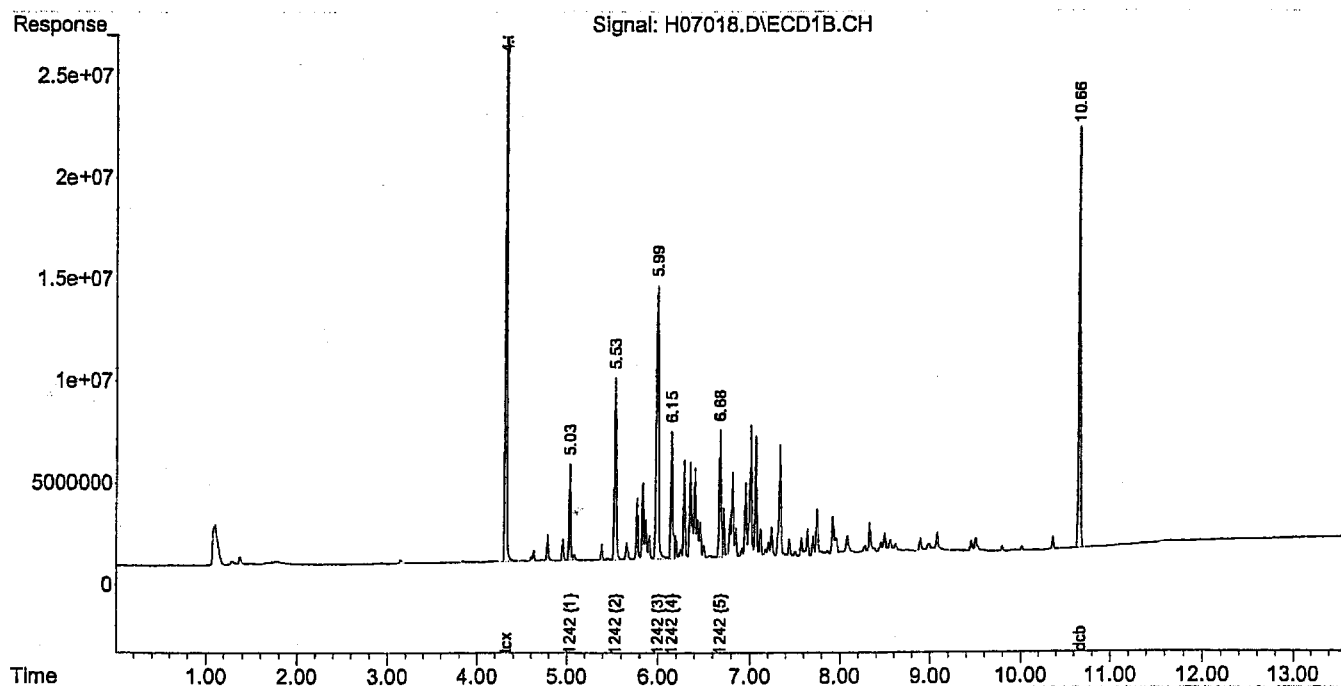
Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07018.D  
 Acq On : 07 Aug 2005 14:44 Operator: eg  
 Sample : 5H07003-CALB Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5010281 1242 Multiplr: 1.00

Integration File signal 1: autoint1.e  
 Integration File signal 2: 1016#3.E  
 Quant Method : C:\MSDCHEM\2\METHODS\42H0705.M  
 Quant Title : Method 8082 - 1016/1260 Initial Calibration  
 Quant Time: Aug 08 13:09:29 2005  
 QLast Update : Mon Aug 08 13:09:18 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.31	4.56	427.5E6	500.3E6	50.000	50.000
7) s dcb	10.66	10.71	275.4E6	446.9E6	50.000	50.000
Target Compounds						
2) L1 1242 {1}	5.03	5.01	58117956	71459445	500.000	500.000
3) L1 1242 {2}	5.53	5.45	134.8E6	103.5E6	500.000	500.000
4) L1 1242 {3}	5.99	6.11	264.5E6	188.7E6	500.000	500.000
5) L1 1242 {4}	6.15	6.41	88079648	81270127	500.000	500.000
6) L1 1242 {5}	6.68	6.62	92542580	93852801	500.000	500.000
Sum 1242			638.0E6	538.9E6	2500.000	2500.000
Average 1242					500.000	500.000
-----						

(f)=RT Delta > .1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

*celw 8.8.05*

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07019.D

Acq On : 07 Aug 2005 15:03

Sample : 5H07003-CALC

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010282 1248

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\48H0705.M

Quant Title : Method 8082 - 1248 1pt Calibration

Quant Time: Aug 08 13:10:35 2005

QLast Update : Mon Aug 08 13:10:22 2005

Response via : Initial Calibration

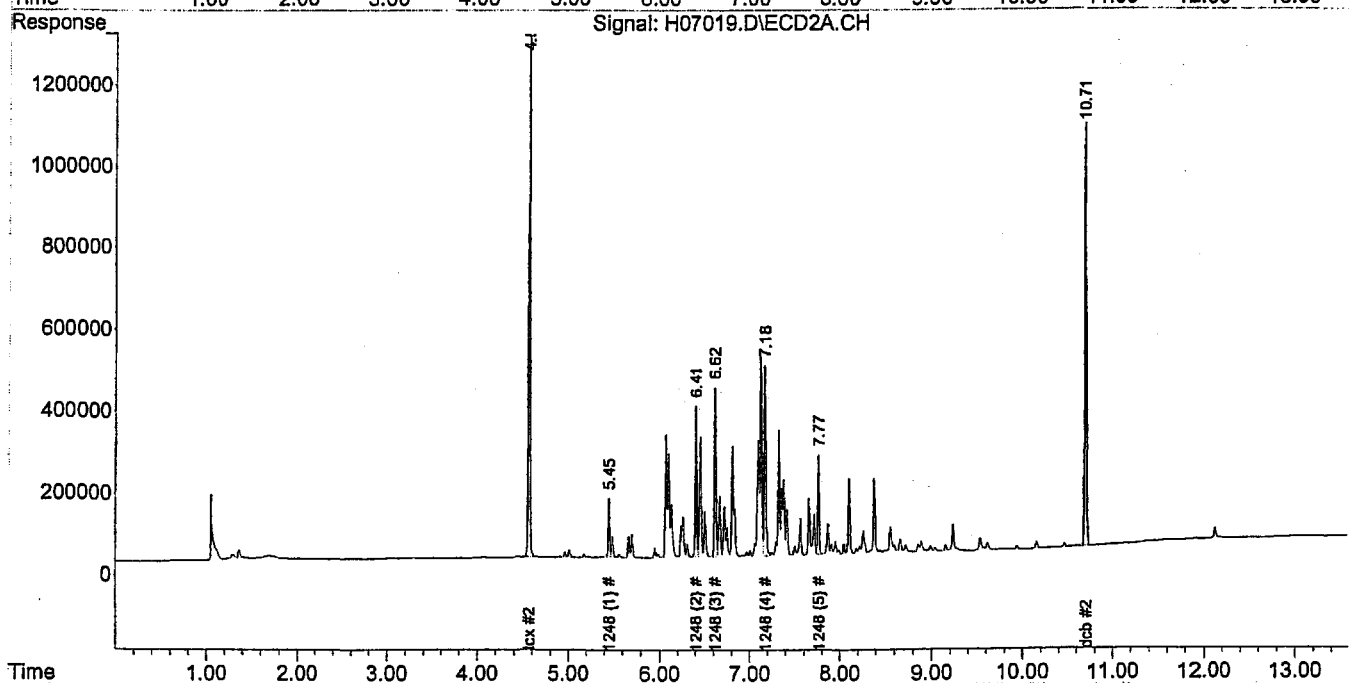
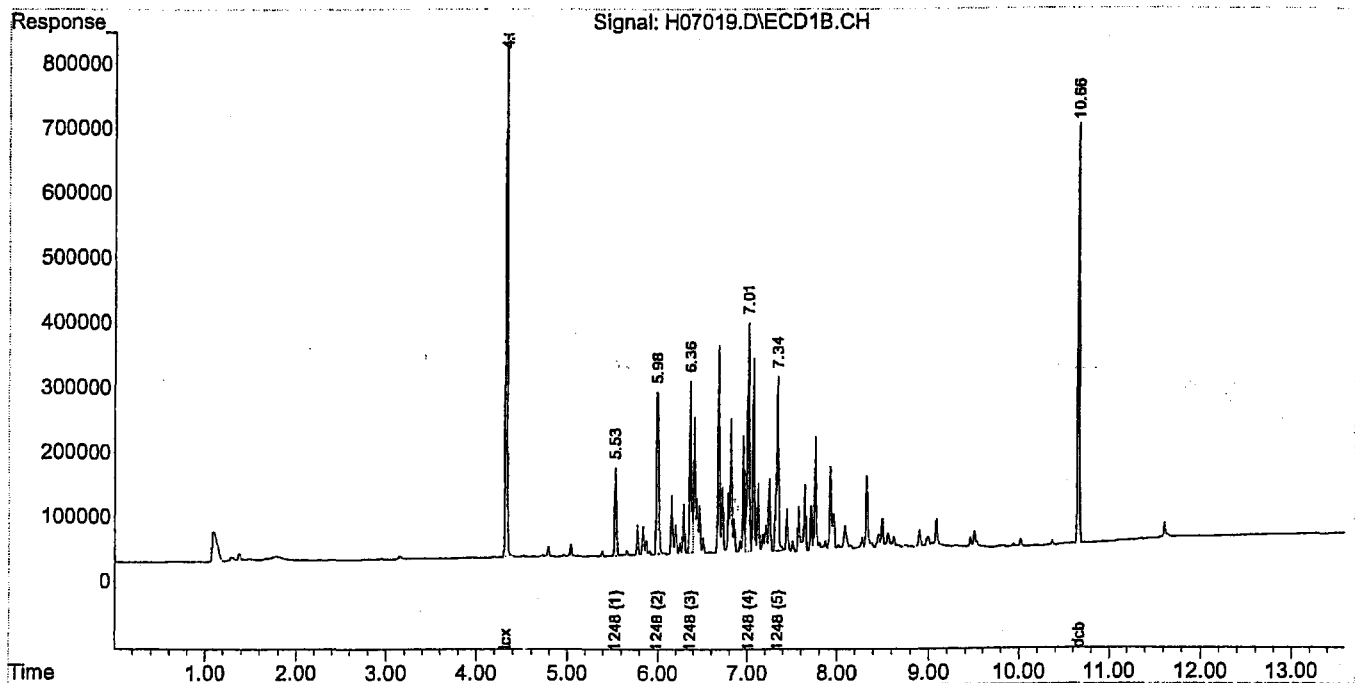
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07019.D

Acq On : 07 Aug 2005 15:03

Operator: eg

Sample : 5H07003-CALC

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010282 1248

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\48H0705.M

Quant Title : Method 8082 - 1248 1pt Calibration

Quant Time: Aug 08 13:10:35 2005

QLast Update : Mon Aug 08 13:10:22 2005

Response via : Initial Calibration

Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.31	4.56	13170851	15417348	50.000	50.000
7) s dcb	10.66	10.71	8536339	13709840	50.000	50.000
Target Compounds						
2) L1 1248 {1}	5.53	5.45	1914429	1710111	500.000	500.000
3) L1 1248 {2}	5.99	6.41	5015285	4528295	500.000	500.000
4) L1 1248 {3}	6.36	6.62	3790810	4982055	500.000	500.000
5) L1 1248 {4}	7.01	7.18	5227659	5900180	500.000	500.000
6) L1 1248 {5}	7.34	7.77	4629219	3057539	500.000	500.000
Sum 1248			20577403	20178179	2500.000	2500.000
Average 1248					500.000	500.000
-----						

(f)=RT Delta &gt; 1/2 Window (#)=Amounts differ by &gt; 40% (m)=manual int.

all 8.8.05

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07020.D

Acq On : 07 Aug 2005 15:21

Sample : 5H07003-CALD

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010283 1254

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\54H0705.M

Quant Title : Method 8082 - 1254 1pt Calibration

Quant Time: Aug 08 13:11:34 2005

QLast Update : Mon Aug 08 13:11:22 2005

Response via : Initial Calibration

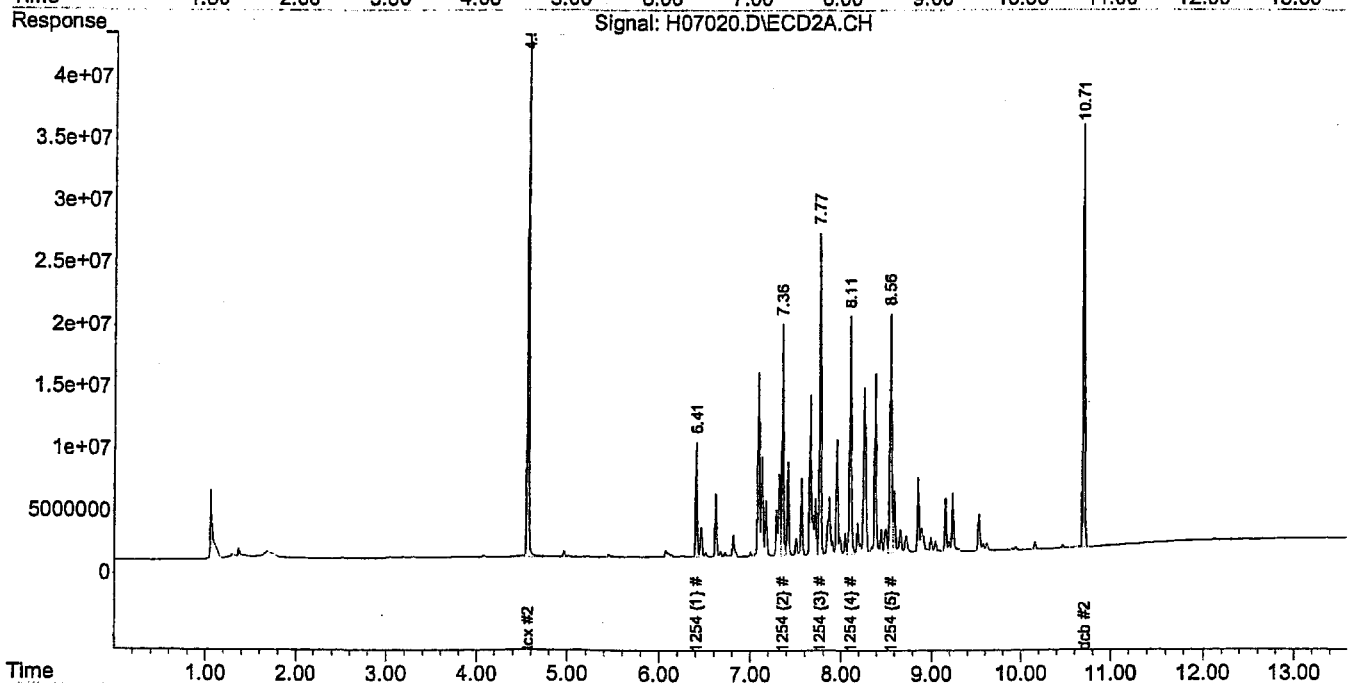
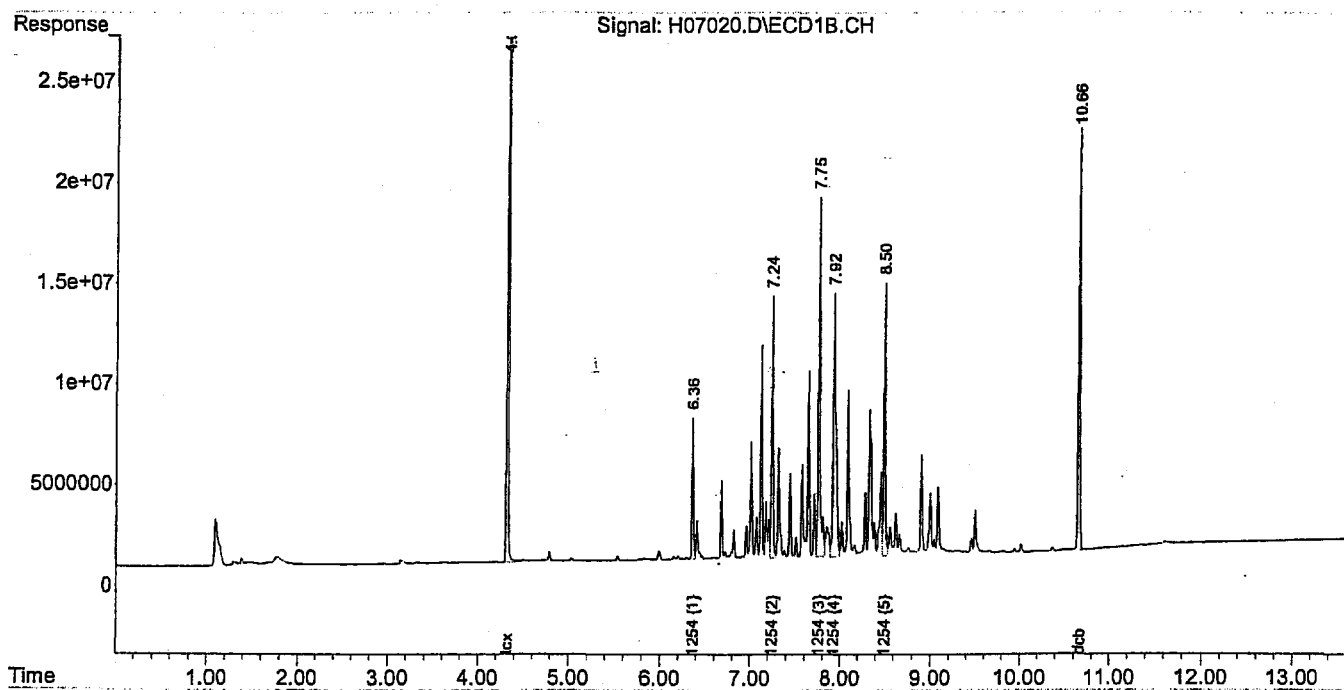
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07020.D

Acq On : 07 Aug 2005 15:21

Operator: eg

Sample : 5H07003-CALD

Inst : ECD-6

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010283 1254

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\54H0705.M

Quant Title : Method 8082 - 1254 1pt Calibration

Quant Time: Aug 08 13:11:34 2005

QLast Update : Mon Aug 08 13:11:22 2005

Response via : Initial Calibration

Volume Inj. :

Signal #1 Phase :

Signal #2 Phase:

Signal #1 Info :

Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----							
System Monitoring Compounds							
1)	s tcx	4.32	4.57	443.2E6	520.0E6	50.000	50.000
7)	s dcb	10.66	10.71	277.8E6	446.2E6	50.000	50.000
Target Compounds							
2)	L1 1254 {1}	6.36	6.41	85670064	113.8E6	500.000	500.000
3)	L1 1254 {2}	7.24	7.36	166.6E6	240.2E6	500.000	500.000
4)	L1 1254 {3}	7.75	7.77	268.7E6	320.5E6	500.000	500.000
5)	L1 1254 {4}	7.93	8.11	279.4E6	271.2E6	500.000	500.000
6)	L1 1254 {5}	8.50	8.56	178.3E6	287.5E6	500.000	500.000
	Sum 1254			978.6E6	1233.3E6	2500.000	2500.000
	Average 1254					500.000	500.000

-----

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Cal 8.8.05

Data Path : C:\MSDCHEM\2\DATA\080705\

Data File : H07021.D

Acq On : 07 Aug 2005 15:39

Sample : 5H07003-CALE

Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH

Misc : 1x 5010284 1262

Operator: eg

Inst : ECD-6

Multiplr: 1.00

Integration File signal 1: autoint1.e

Integration File signal 2: autoint2.E

Quant Method : C:\MSDCHEM\2\METHODS\62H0705.M

Quant Title : Method 8082 - 1262 1pt Calibration

Quant Time: Aug 08 13:12:30 2005

QLast Update : Mon Aug 08 13:12:21 2005

Response via : Initial Calibration

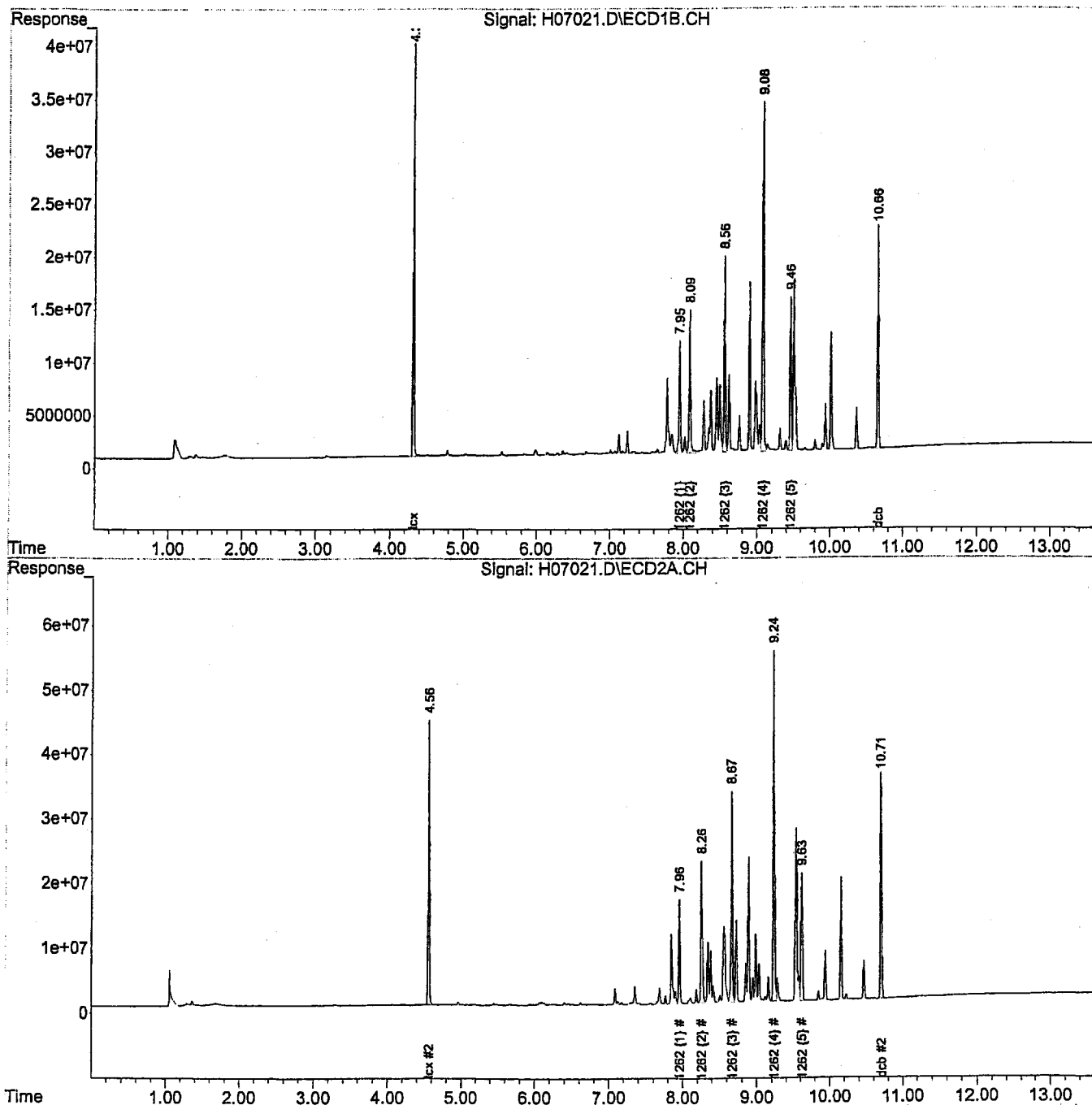
Volume Inj. :

Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

Signal #2 Info :



Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07021.D  
 Acq On : 07 Aug 2005 15:39 Operator: eg  
 Sample : 5H07003-CALE Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5010284 1262 Multiplr: 1.00

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.E  
 Quant Method : C:\MSDCHEM\2\METHODS\62H0705.M  
 Quant Title : Method 8082 - 1262 1pt Calibration  
 Quant Time: Aug 08 13:12:30 2005  
 QLast Update : Mon Aug 08 13:12:21 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.32	4.57	442.9E6	517.7E6	50.000	50.000
7) s dcb	10.66	10.71	286.2E6	461.4E6	50.000	50.000
Target Compounds						
2) L1 1262 {1}	7.95	7.96	147.2E6	204.0E6	500.000	500.000
3) L1 1262 {2}	8.09	8.26	186.5E6	320.4E6	500.000	500.000
4) L1 1262 {3}	8.56	8.67	239.1E6	427.3E6	500.000	500.000
5) L1 1262 {4}	9.08	9.24	430.9E6	733.2E6	500.000	500.000
6) L1 1262 {5}	9.46	9.63	193.7E6	304.6E6	500.000	500.000
Sum 1262			1197.4E6	1989.4E6	2500.000	2500.000
Average 1262					500.000	500.000
-----						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

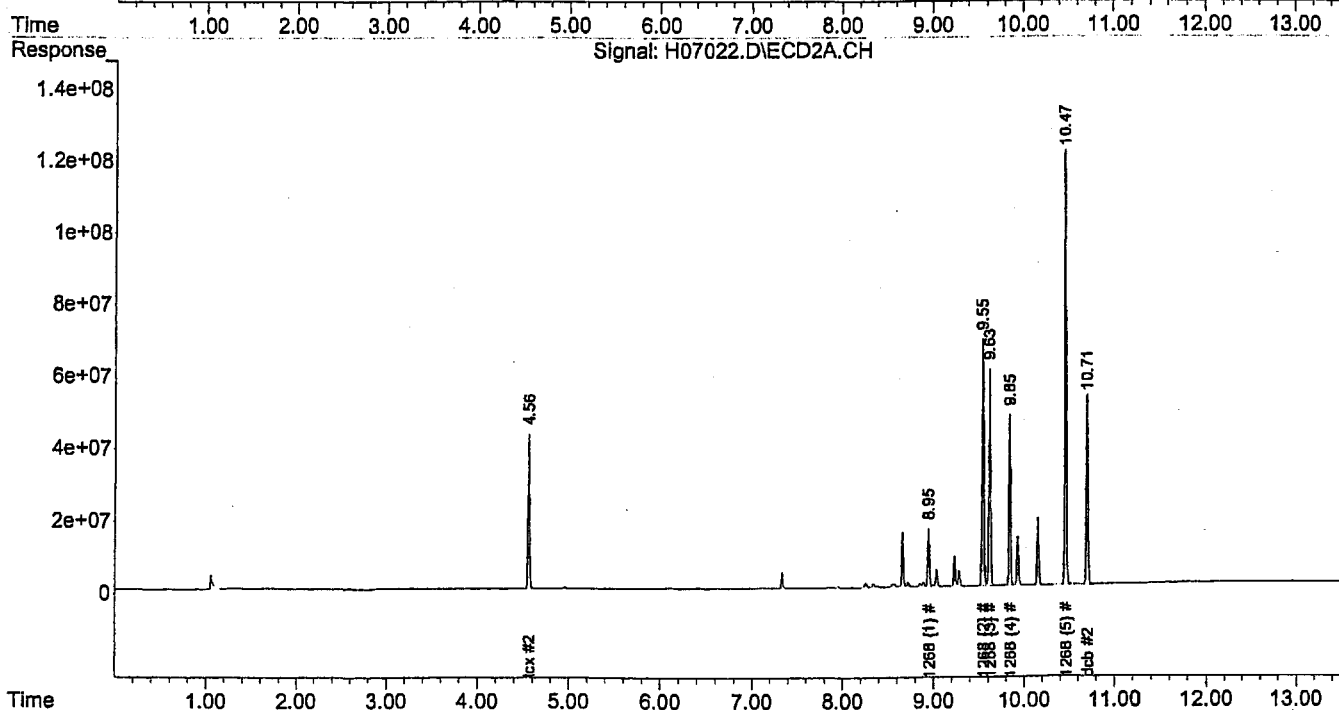
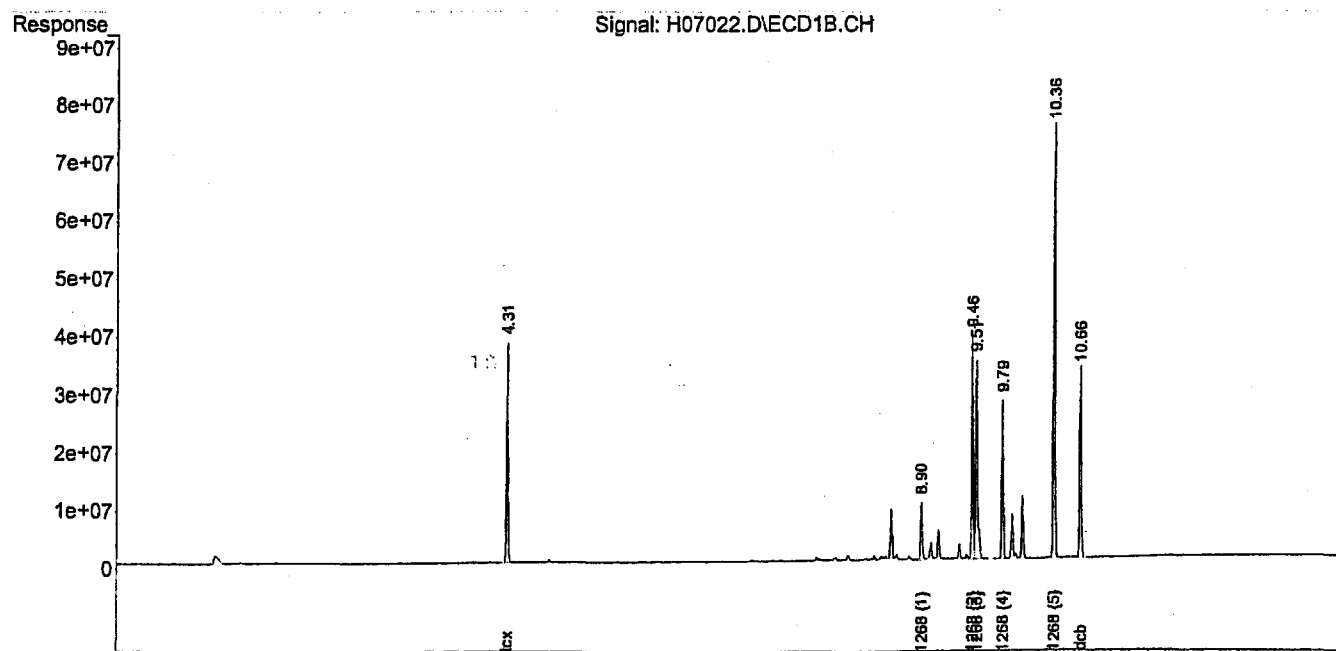
*cmw 8.8.05*

Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07022.D  
 Acq On : 07 Aug 2005 15:57  
 Sample : 5H07003-CALF  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5010285 1268

Operator: eg  
 Inst : ECD-6  
 Multiplr: 1.00

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.E  
 Quant Method : C:\MSDCHEM\2\METHODS\68H0705.M  
 Quant Title : Method 8082 - 1268 1pt Calibration  
 Quant Time: Aug 08 13:13:22 2005  
 QLast Update : Mon Aug 08 13:13:13 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDCHEM\2\DATA\080705\  
 Data File : H07022.D  
 Acq On : 07 Aug 2005 15:57 Operator: eg  
 Sample : 5H07003-CALF Inst : ECD-6  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Misc : 1x 5010285 1268 Multiplr: 1.00

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.E  
 Quant Method : C:\MSDCHEM\2\METHODS\68H0705.M  
 Quant Title : Method 8082 - 1268 1pt Calibration  
 Quant Time: Aug 08 13:13:22 2005  
 QLast Update : Mon Aug 08 13:13:13 2005  
 Response via : Initial Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
-----						
System Monitoring Compounds						
1) s tcx	4.31	4.57	430.6E6	513.1E6	50.000	50.000
7) s dcb	10.66	10.71	434.1E6	714.8E6	50.000	50.000
Target Compounds						
2) L1 1268 {1}	8.90	8.96	137.6E6	212.9E6	500.000	500.000
3) L1 1268 {2}	9.46	9.55	482.2E6	879.7E6	500.000	500.000
4) L1 1268 {3}	9.51	9.63	497.8E6	835.8E6	500.000	500.000
5) L1 1268 {4}	9.79	9.85	352.9E6	615.6E6	500.000	500.000
6) L1 1268 {5}	10.36	10.47	959.5E6	1556.5E6	500.000	500.000
Sum 1268			2429.9E6	4100.6E6	2500.000	2500.000
Average 1268					500.000	500.000
-----						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

*ccw 8.8.05*

Instrument: EQD 6 Date: 8.30.05  
 Analyst: [Signature] Date: 8.31.05 PREPARATION BENCH SHEET  
 Reviewer: [Signature] Date: 08/31/05 5H29033  
 North Creek Analytical - Bothell

Printed: 8/29/2005 8:11:20PM

Data Package? Yes / No Yes

Matrix: Soil Prepared using: Extractions - EPA 3550B Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial	Vol	Spike	Extraction Comments
5H29033-BLK1	QC	08/29/05 10:26	30	5				100				
5H29033-BS1	QC	08/29/05 10:26	30	5	5020219		1000	100				
5H29033-BSD1	QC	08/29/05 10:26	30	5	5020219		1000	100				
5H29033-MS1	QC	08/29/05 10:26	30.2	5	5020219	B5H0591-01	1000	100				
5H29033-MSD1	QC	08/29/05 10:26	30.4	5	5020219	B5H0591-01	1000	100				
B5H0591-01	8082 COE-AK	08/29/05 10:26	29.9	5				100				Added for BatchQC in: 5H29033
B5H0591-01: BatchQC												
B5H0591-01	[REDACTED] 8082 PCB	08/29/05 10:26	29.9	5				100				
B5H0591-02	[REDACTED] 8082 PCB	08/29/05 10:26	29.8	5				100				
B5H0591-03	[REDACTED] 8082 PCB	08/29/05 10:26	30.3	5				100				
B5H0591-04	[REDACTED] 8082 PCB	08/29/05 10:26	29.6	5				100				
B5H0591-05	[REDACTED] 8082 PCB	08/29/05 10:26	29.6	5				100				
B5H0591-06	[REDACTED] 8082 PCB	08/29/05 10:26	30	5				100				
B5H0591-07	[REDACTED] 8082 PCB	08/29/05 10:26	30.5	5				100				
B5H0591-08	[REDACTED] 8082 PCB	08/29/05 10:26	29.7	5				100				
B5H0591-09	[REDACTED] 8082 PCB	08/29/05 10:26	30.2	5				100				
B5H0640-01	8082 COE-AK	08/29/05 10:26	30.2	5				100				MDL rpt; upload by sequence; USACE
B5H0640-01: MDL rpt; upload by sequence; USACE-AK CLs												
B5H0640-02	8082 COE-AK	08/29/05 10:26	30.4	5				100				MDL rpt; upload by sequence; USACE

B5H0640-02: MDL rpt; upload by sequence; USACE-AK CLs

start: 08/29/05 finish: 08/29/05 1:1 MeCl2:Acetone: 082205 & 082305 NaSO4: 082205 Hexane: 050139 H2SO4: 3103091 sonicators tuned

Spiking Witness: [Signature] By [Signature] Date            Preparation Reviewed By            Date            Extracts Received By            Date

## PREPARATION BENCH SHEET

5H29033

North Creek Analytical - Bothell

Printed: 8/29/2005 10:27:23AM

Matrix: Soil

Prepared using: Extractions - EPA 3550B

Surrogate used: 5060222

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Final Initial Vol Spike	Extraction Comments
5H29033-BLK1	QC	08/29/05 10:26	30	5				100		
5H29033-BS1	QC	08/29/05 10:26	30	5	5020219		1000	100		
5H29033-BSD1	QC	08/29/05 10:26	30	5	5020219		1000	100		
5H29033-MS1	QC	08/29/05 10:26	30.2	5	5020219	591-01	1000	100		
5H29033-MSD1	QC	08/29/05 10:26	30.4	5	5020219	591-01	1000	100		
B5H0591-01	8082 PCB	08/29/05 10:26	29.9 30	5				100		
B5H0591-02	8082 PCB	08/29/05 10:26	29.8 30	5				100		
B5H0591-03	8082 PCB	08/29/05 10:26	30.3	5				100		
B5H0591-04	8082 PCB	08/29/05 10:26	29.6 30	5				100		
B5H0591-05	8082 PCB	08/29/05 10:26	29.6 30	5				100		
B5H0591-06	8082 PCB	08/29/05 10:26	30.0	5				100		
B5H0591-07	8082 PCB	08/29/05 10:26	30.5	5				100		
B5H0591-08	8082 PCB	08/29/05 10:26	29.7 30	5				100		
B5H0591-09	8082 PCB	08/29/05 10:26	30.0	5				100		
B5H0591-13	8082 PCB	08/29/05 10:26	30	5				100		
B5H0640-01	8082 COE-AK	08/29/05 10:26	30.2	5				100		MDL rpt; upload by sequence; USACE
B5H0640-01: MDL rpt; upload by sequence; USACE-AK CLs										
B5H0640-02	8082 COE-AK	08/29/05 10:26	30.4	5				100		MDL rpt; upload by sequence; USACE
B5H0640-02: MDL rpt; upload by sequence; USACE-AK CLs										

082205 PM

start: 08/29/05 finish: 08/29/05 1:1 MeCl<sub>2</sub>:Acetone: 082205 & 082305 NaSO<sub>4</sub>: 082005 Hexane: 050139 H<sub>2</sub>SO<sub>4</sub>: 3103091 sonicators tuned

Spiking Witness

Date

Preparation Reviewed By

Date

Extracts Received By

Date

# PREPARATION BENCH SHEET

5H30067

North Creek Analytical - Bothell

Printed: 9/9/2005 1:45:03PM

Matrix: Soil Prepared using: Wet Chem - General Preparation (No Surrogate)

Lab Number	Analysis	Prepared	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	Initial	Final Vol	Spike	Extraction Comments
5H30067-BLK1	QC	08/30/05 16:30	5	5								
B5H0060-12	Dry Weight	08/30/05 16:30	5	5								
B5H0060-45	Dry Weight	08/30/05 16:30	5	5								
B5H0060-49	Dry Weight	08/30/05 16:30	5	5								
B5H0507-30	Dry Weight	08/30/05 16:30	5	5								
B5H0507-31	Dry Weight	08/30/05 16:30	5	5								
B5H0507-32	Dry Weight	08/30/05 16:30	5	5								
B5H0521-01	Dry Weight	08/30/05 16:30	5	5								
B5H0521-05	Dry Weight	08/30/05 16:30	5	5								
B5H0521-09	Dry Weight	08/30/05 16:30	5	5								
B5H0521-10	Dry Weight	08/30/05 16:30	5	5								
B5H0521-16	Dry Weight	08/30/05 16:30	5	5								
B5H0521-28	Dry Weight	08/30/05 16:30	5	5								
B5H0640-01	Dry Weight	08/30/05 16:30	5	5								
B5H0640-02	Dry Weight	08/30/05 16:30	5	5								
B5H0647-01	Dry Weight	08/30/05 16:30	5	5								
B5H0668-01	Dry Weight	08/30/05 16:30	5	5								
B5H0668-02	Dry Weight	08/30/05 16:30	5	5								
B5H0668-03	Dry Weight	08/30/05 16:30	5	5								
B5H0668-04	Dry Weight	08/30/05 16:30	5	5								
B5H0668-05	Dry Weight	08/30/05 16:30	5	5								

Spiking Witnessed By \_\_\_\_\_ Date \_\_\_\_\_

Preparation Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Extracts Received By \_\_\_\_\_ Date \_\_\_\_\_

## WORK ORDER

Printed: 9/9/2005 9:51:58AM

B5H0640

## North Creek Analytical - Bothell

Client: USACE - Alaska  
Project: Northeast Cape White Alice BDDR Removal

Project Manager: Kate Haney  
Project Number: 04-036

Report To:

USACE - Alaska  
Julie Sharp-Dahl  
PO Box 6898, Building 2212 Third Street  
Elmendorf AFB, AK/USA 99506-6898  
Phone: (907) 753-5689  
Fax: 907-753-2636

Invoice To:

USACE - Alaska  
Julie Sharp-Dahl  
PO Box 6898, Building 2212 Third Street  
Elmendorf AFB, AK/USA 99506-6898  
Phone : (907) 753-5689  
Fax: 907-753-2636

Date Due: 09/02/05 17:00 (5 day TAT)

Received By: Colette Weaver

Date Received: 08/26/05 10:40

Logged In By: Colette Weaver

Date Logged In: 08/26/05 16:07

Samples Received at 12.5°C  
Custody Seals Pres: Yes Received On Ice Yes  
Containers Intact Yes  
COC/Labels Agree No  
Preservation Confin No

Analysis	Due	TAT	Expires	Comments
<b>B5H0640-01 05NEC31SL12 [Soil] Sampled 08/15/05 11:20 Alaskan</b>				
8082 COE-AK	09/01/05 17:00	5	08/29/05 12:20	MDL rpt; upload by sequence; USACE-AK CLs
Data Pkg-Organics	09/12/05 17:00	10	02/11/06 12:20	
Dry Weight	09/01/05 17:00	5	09/12/05 12:20	
<b>B5H0640-02 05NECAFSL24 [Soil] Sampled 08/17/05 13:30 Alaskan</b>				
8082 COE-AK	09/01/05 17:00	5	08/31/05 14:30	MDL rpt; upload by sequence; USACE-AK CLs
Data Pkg-Organics	09/12/05 17:00	10	02/13/06 14:30	
Dry Weight	09/01/05 17:00	5	09/14/05 14:30	

Reviewed By

Date

**WORK ORDER**  
**North Creek Analytical - Bothell**  
**B5H0640**

<b>Client:</b> USACE - Alaska ✓ <b>Project:</b> Northeast Cape White Alice BDDR Removal	<b>Printed:</b> 08/26/05 16:18:01 ✓ <b>Project Number:</b> 04-036 ✓
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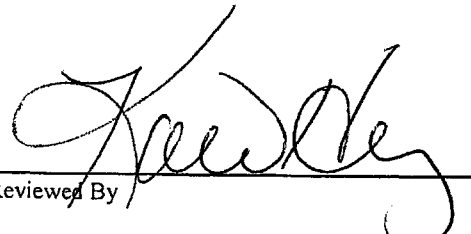
<b>Report To:</b> USACE - Alaska Julie Sharp-Dahl PO Box 6898, Building 2212 Third Street Elmendorf AFB, AK/USA 99506-6898 Phone: (907) 753-5689 Fax: 907-753-2636	<b>Invoice To:</b> USACE - Alaska Julie Sharp-Dahl PO Box 6898, Building 2212 Third Street Elmendorf AFB, AK/USA 99506-6898 Phone : (907) 753-5689 Fax: 907-753-2636
--	--

<b>Project Manager:</b> Kate Haney <b>Received By:</b> Colette Weaver <b>Logged In By:</b> Colette Weaver	<b>Date Due:</b> 09/02/05 17:00 (5 day TAT) ✓ <b>Date Received:</b> 08/26/05 10:40 ✓ <b>Date Logged In:</b> 08/26/05 16:07
---	--

<b>Samples Received at:</b> 12.5°C ✓ <b>All containers intact:</b> Yes <b>Sample labels/COC agree:</b> No <b>Preservation Confirmed Upon Receipt:</b> No <b>Custody Seals Present:</b> Yes	8PN 8/26/05 IBCW
--	---------------------

Analysis	Due	TAT	Expires	Comments
B5H0640-01 05NEC318LSL12 ✓	Soil ✓		Sampled:08/15/05 11:20 ✓	
8082 COE-AK ✓	09/01/05 17:00	5	08/29/05 12:20	MDL rpt; upload by sequence; USACE-AK CLs
Data Pkg-Organics	09/12/05 17:00	10	02/11/06 12:20	
Dry Weight	09/01/05 17:00	5	09/12/05 12:20	
B5H0640-02 05NEC318LSL24 ✓	Soil		Sampled:08/17/05 13:30 ✓	
8082 COE-AK ✓	09/01/05 17:00	5	08/31/05 14:30	MDL rpt; upload by sequence; USACE-AK CLs
Data Pkg-Organics	09/12/05 17:00	10	02/13/06 14:30	
Dry Weight	09/01/05 17:00	5	09/14/05 14:30	

EXtractions

Reviewed By       Date 8/30/05

# NORTH CREEK ANALYTICAL SAMPLE RECEIPT FORM

(Army Corp. compliant)

Client: VSACE

COC #

NEC-18

1. Please sign for receipt and opening of: ☒ Cooler ☐ Other: \_\_\_\_\_

By (print) Colette Weaver (sign) Colette Weaver

2. Date cooler received 08/26/05 Date cooler opened: Same ☒ or   /  /  

3. Delivered by ☐ NCA courier ☐ Fed-Ex ☐ UPS ☐ Express Mess. ☐ Client ☒ Other ☒  
Air bill # if applicable 0167 2171 (Put copy of shipping papers, etc. in file)

4. There were 2 custody seals present, signed by Larry Peder date 08/24/1545

5. Were custody seals unbroken and intact at the date and time of arrival? ☒ yes ☐ no

6. Was ice used? ☒ yes ☐ no Type of ice: ☐ blue ice ☒ gel ice ☐ real ice ☐ dry ice  
Temperature (degrees C) 11.9 Raytek Thermometer 12.5 Digi-Thermo (probe for temp. blank)

7. Were samples screened for radioactivity using the Geiger Counter? ☒ yes ☐ no  
Background average counts per minute: 10 Samples counts per minute: 13

8. Are custody papers sealed in a plastic bag and taped inside to the lid? ☐ yes ☒ no

9. Were custody papers filled out properly (ink, signed in appropriate places, etc.)? ☒ yes ☐ no  
If "no" please specify: \_\_\_\_\_

10. Was project identifiable from custody papers? ☐ yes ☒ no  
Name of the project \_\_\_\_\_ (if applicable)

11. Initial and date for unpacking of cooler: CW (initials) date 08/26/05 paper towel

12. Packing in cooler: ☒ bubble wrap/bag ☐ styrofoam ☐ cardboard ☒ other

13. Were all containers sealed in separate plastic bags? ☐ yes ☒ no

14. Did all containers indicated on the COC arrive? ☒ yes ☐ no  
If "no" please indicate which containers were absent \_\_\_\_\_

15. Were all containers unbroken and labels in good condition? ☒ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

16. Were all bottle labels complete (ID, date, time, signature, etc.)? ☒ yes ☐ no  
Do the ID's, times, etc. agree with the COC? ☐ yes ☒ no  
If "no" please indicate which containers both containers

17. Were samples received in proper containers for the indicated analysis? ☒ yes ☐ no  
Are containers properly preserved for the indicated analysis? ☒ yes ☐ no  
Is there adequate volume for the indicated analysis? ☐ yes ☒ no

18. If voa vials were submitted, are they free of bubbles? ☒ N/A ☐ yes ☐ no  
If "no" please indicate which containers \_\_\_\_\_

19. Log-in Phase: Date samples were logged in: 08/26/05 Element Project # B5H0640

20. Logged in by (print) Colette Weaver (sign) Colette Weaver

21. Was the project manager notified of status? (Use back of form as a record) ☐ yes ☐ no

Project communication record:

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_/\_\_\_\_/\_\_\_\_

Topic of discussion:

Record of discussion:

Resolution:

Project communication record:

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_/\_\_\_\_/\_\_\_\_

Topic of discussion:

Record of discussion:

Resolution:

Project communication record:

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_/\_\_\_\_/\_\_\_\_

Topic of discussion:

Record of discussion:

Resolution:

Additional Comments:



TAT: 5

Short Hold: \_\_\_\_\_

Non-Conformances?  
Circle Y or N  
(If Y, see other side)

### NCA SAMPLE RECEIPT CHECKLIST

Received By:

Checked-in By:

Cooler ID: \_\_\_\_\_ (\_\_\_\_ of \_\_\_\_)

Date: 08-26-05

Date: 08-26-05

Work Order No. B5H0640

Time: 1040

Time: 1549

Client: USACE - Alaska

Initials: CW

Initials: CW

Project: Northeast Cape White Area BDDR

Container Type:

☒ Cooler  
☐ Box  
☐ Other  
☐ None

COC Seals:

☒ Ship. Container  
☐ On Bottles  
☐ None

Packing Material:

☒ Bubble Bags  
☐ Foam Packs  
☐ Styrofoam  
☐ Other  
☐ None

Refrigerant:

☒ Gel Ice Pack melted  
☐ Loose Ice  
☐ None/Other \_\_\_\_\_

Received Via:

☐ Fed Ex  
☐ UPS  
☐ DHL

Client

☒ Courier Christina  
☒ Other Goldstreak

Cooler Temperature (IR Digital): 12.5°C (Frozen filters, Tedlars and aqueous Metals exempt) CA#: 1

Temperature Blank?

Circle Y or N

@ 1115CW

Sample Containers:

Intact?

Y or N

Correct Type?

Y or N

Adequately Labeled?

Y or N

(ID, date and time)

#Containers match COC?

Y or N

IDs/time/date match COC?

Y or N

Properly Preserved?

Y or N

Adequate Volume?

Y or N

(for tests requested)

ID CA#

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 2

\_\_\_\_\_

\_\_\_\_\_ 2

\_\_\_\_\_ SOIL

\_\_\_\_\_ 3

Soil VOAs: Headspace? Y or N

Water VOAs: Headspace? Y or N

Preserved? Y or N

ID CA#

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### PROJECT MANAGEMENT

Is the Chain of Custody complete?

Y or N

Is client information in ELEMENT accurate?

Address?

Y or N

Phone #?

Y or N

PM?

Y or N

Is project information in ELEMENT accurate?

Proj. Name? Y or N

Proj. #? Y or N

Contact? Y or N

Bid/Prices? Y or N

Invoice info? Y or N

Tax info? Y or N

Analyses? Y or N

Has client been contacted regarding non-conformances?

Y or N If Y, \_\_\_\_\_ / \_\_\_\_\_  
Date Time

PM Initials: UW

Date: 8/26/05 Time: 1350

Non-Conformances?  
Circle Y or N  
(If Y, see other side)

NCA Sample Receiving  
Corrective Action Form

Date: 08-26-05  
Time: 1040  
Initials: CW

Cooler ID: \_\_\_\_\_ (\_\_\_\_ of \_\_\_\_)  
Work Order No. B  
Client: \_\_\_\_\_  
Project: \_\_\_\_\_

Describe Corrective Action: (Reference CA# from Sample Receipt Checklist next to CA below and/or describe CA in comment section)

CA # _____	CA # _____	CA # _____
Salvaged Sample	Replaced Bottle	Replaced Lid
Verified ID w/client	Notified PM	Notified Client
Preserved Sample w/ _____	from Lot#/Reagent ID _____	
Preserved Sample w/ _____	from Lot#/Reagent ID _____	

Cooler Temp: 12.5 °C (Frozen filters, Tedlars and aqueous Metals exempt) CA# 1 Select either comment below

**Comment:** Samples were received outside the recommended temperature range (4°C±2°C). Samples were received on-ice, within 4 hours of collection, but may not have had sufficient time to equilibrate. A temperature range from ambient to 2°C is considered acceptable. The samples will be analyzed as scheduled unless otherwise directed by the client.

**#1** **Comment:** Samples were received outside the recommended temperature range (4°C±2°C). The COC was stamped with "Samples were not received @ 2-6°C upon receipt." The samples will be analyzed as scheduled unless otherwise directed by the client.

Comments or Other Actions Taken:

→ Samples were sent to the Bethel, AK Airport on 8/25/05. Redirected by goldstreak @ Bethel to Seattle on 8/25/05. Arrived in Seattle 8/26/05

#2 - COC says 05NEC31SLSL12 & 05NEC31SLSL24 containers says 05NEC31SL12 and 05NEC31SL24, logged in according to COC

#3 - Containers for both samples are only about 1/4 full, logged in with the comments limited sample volume.

Reviewed and approved by: \_\_\_\_\_

PM Signature

Date



## CHAIN OF CUSTODY RECORD

## NCA LABORATORY

11720 Northcreek Parkway N, Suite 400 Bothell, WA 98011 (206) 920-5232

**COC# NEC-18**

PAGE 1 OF  
1

**Contact: Julie Sharp-Dahl Phone No: 907-753-5689**

Project: 25037 NE Cape

Reports To:  
Julie Sharp-Dahl  
P.O. Box 6898  
Building 2212 43<sup>rd</sup> Street  
Elmendorf AFB, AK 99506

**No. JARS**

**Sample  
Type**

C=  
COMP  
D=  
discrete

PCB 8082

72-hour  
TAT

**Composite sample name**

[illegible]

Collected/Relinquished By: (1)

Date \_\_\_\_\_

## Time

Received By:

Colette Weaver  
Colette Weaver

08/26/09  
1040

Shipping Carrier:

Shipping Ticket No:

**Samples were not @2-6c upon receipt!**

Temperature C:

12.5c

Collected/Relinquished By: (2)

Date \_\_\_\_\_

Time

Received By:

## Data Deliverables:

**USACE data deliverables requested; SEDD and COELT EDDs requested**

Chain of Custody Seal:  
(Circle)

	<b>INTACT</b>	<b>BROKEN</b>
<b>PRESENT</b>	✓	✓
<b>ABSENT</b>	✓	✓

Collected/Relinquished By: (3)

Date \_\_\_\_\_

Time

Received By:

Requested Turnaround Time and Special Instructions:

Collected/Relinquished By: (4)

Date \_\_\_\_\_

Time

Received For Laboratory By:

NOA Michelle Turner – BEESC  
907-563-0013 (mturner@beesc.com)  
Cooler receipt & temp

**COE Project #: 04-036**

**SGS** Environmental

**CUSTODY SEAL**

Signature: *Ferry W. Peller*

Date/Time: *8/24/05 1545*

**SGS** Environmental

**CUSTODY SEAL**

Signature: *Ferry W. Peller*

Date/Time: *8/24/05 1545*



---

## Laboratory Report Project Overview

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EDF 1.2a

Laboratory:	North Creek Analytical, Bothell, WA
Lab Report Number:	B5H0640
Project Name:	Northeast Cape White Alic
Work Order Number:	04-036
Control Sheet Number:	CSN081505

## Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
B5H0640	05NEC31SL12	B5H0640-01	SO	CS	E160.3M	NONE	08/15/05	08/30/05	08/31/05	5H30067	1
B5H0640	05NEC31SL12	B5H0640-01	SO	CS	SW8082	SW3550B	08/15/05	08/29/05	08/30/05	5H29033	1
B5H0640	05NECAFSL24	B5H0640-02	SO	CS	E160.3M	NONE	08/17/05	08/30/05	08/31/05	5H30067	1
B5H0640	05NECAFSL24	B5H0640-02	SO	CS	SW8082	SW3550B	08/17/05	08/29/05	08/30/05	5H29033	1
		B5H0591-01	SO	NC	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1
		5H29033-BSD1	SQ	BD1	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1
		5H29033-BS1	SQ	BS1	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1
		5H29033-BLK1	SQ	LB1	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1
		5H30067-BLK1	SQ	LB1	E160.3M	NONE	/ /	08/30/05	08/31/05	5H30067	1
		5H29033-MS1	SO	MS1	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1
		5H29033-MSD1	SO	SD1	SW8082	SW3550B	/ /	08/29/05	08/30/05	5H29033	1



Lab Report No.: B5H0640 Date: 09/01/05

Page: 1

Project Name:	Northeast Cape White Alic	Analysis:	Polychlorinated Biphenyls (PCBs) by Gas		
Project No:	04-036	Method:	SW8082		
		Prep Meth:	SW3550B		

Field ID:	05NEC31SL12	Lab Samp ID:	B5H0640-01
Descr/Location:	DP	Rec'd Date:	08/26/05
Sample Date:	08/15/05	Prep Date:	08/29/05
Sample Time:	1120	Analysis Date:	08/30/05
Matrix:	Soil	QC Batch:	5H29033
Basis:	Dry	Notes:	

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0	PQL	U	ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0	PQL	U	ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0	PQL	U	ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0	PQL	U	ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0	PQL	U	ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0	PQL	U	ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0	PQL	U	ND	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0	PQL	U	ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0	PQL	U	ND	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:							
Decachlorobiphenyl	40-140	SLSA			97.7%		1
2,4,5,6-Tetrachloro-meta-xylene	40-140	SLSA			90.1%		1

U: EPA Flag - Compound was analyzed for, but was not detected
---

Approved by:



Date:

09/09/05

Lab Report No.: B5H0640 Date: 09/01/05

Page: 2

<b>Project Name:</b> Northeast Cape White Alic <b>Project No:</b> 04-036	<b>Analysis:</b> Polychlorinated Biphenyls (PCBs) by Gas <b>Method:</b> SW8082 <b>Prep Meth:</b> SW3550B
<b>Field ID:</b> 05NECAFSL24 <b>Descr/Location:</b> DP <b>Sample Date:</b> 08/17/05 <b>Sample Time:</b> 1330 <b>Matrix:</b> Soil <b>Basis:</b> Dry	<b>Lab Samp ID:</b> B5H0640-02 <b>Rec'd Date:</b> 08/26/05 <b>Prep Date:</b> 08/29/05 <b>Analysis Date:</b> 08/30/05 <b>QC Batch:</b> 5H29033 <b>Notes:</b>

Analyte	Det Limit	Rep Limit	PQL	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0	PQL	U	ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0	PQL	U	ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0	PQL	U	ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0	PQL	U	ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0	PQL	U	ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0	PQL	U	ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0	PQL	U	166	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0	PQL	U	ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0	PQL	U	ND	UG/KG	1
<b>SURROGATE AND INTERNAL STANDARD RECOVERIES:</b>							
Decachlorobiphenyl		40-140	SLSA		99.9%		1
2,4,5,6-Tetrachloro-meta-xylene		40-140	SLSA		88.9%		1
U: EPA Flag - Compound was analyzed for, but was not detected							

Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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Project Name: Northeast Cape White Alic				Project No: 04-036						
Field ID: 05NEC31SL12				Sample Date: 08/15/05		Basis: Wet				
Descr/Location: DP				Sample Time: 1120		Matrix: Soil				
				Lab Samp ID: B5H0640-01						
Analyte	Detection Limit	Reporting Limit	Note	Result	Units	Dil	Prep Method	Analysis Method	Analysis Date	QC Batch
Solids, Percent	NA	NA		84.9	PERCE ww	1	NONE	E160.3M	08/31/05	5H30067

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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Project Name: Northeast Cape White Alic				Project No: 04-036						
Field ID: 05NECAFSL24				Sample Date: 08/17/05		Basis: Wet				
Descr/Location: DP				Sample Time: 1330		Matrix: Soil				
				Lab Samp ID: B5H0640-02						
Analyte	Detection Limit	Reporting Limit	Note	Result	Units	Dil	Prep Method	Analysis Method	Analysis Date	QC Batch
Solids, Percent	NA	NA		90.5	PERCE ww	1	NONE	E160.3M	08/31/05	5H30067

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

# QA/QC Report Method Blank Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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QC Batch: 5H29033	Analysis: Polychlorinated Biphenyls (PCBs) by Gas
Matrix: Soil/Solid QC	Method: SW8082
Lab Samp ID: 5H29033-BLK1	Prep Meth: SW3550B
Analysis Date: 08/30/05	Prep Date: 08/29/05
Basis: Dry	Notes:

Analyte	Det Limit	Rep Limit	Note	Result	Units	Pvc Dil
PCB-1016 (Aroclor 1016)	3.48	25.0 PQL	U	ND	UG/KG	1
PCB-1221 (Aroclor 1221)	13.3	50.0 PQL	U	ND	UG/KG	1
PCB-1232 (Aroclor 1232)	5.76	25.0 PQL	U	ND	UG/KG	1
PCB-1242 (Aroclor 1242)	2.08	25.0 PQL	U	ND	UG/KG	1
PCB-1248 (Aroclor 1248)	1.78	25.0 PQL	U	ND	UG/KG	1
PCB-1254 (Aroclor 1254)	1.49	25.0 PQL	U	ND	UG/KG	1
PCB-1260 (Aroclor 1260)	0.870	25.0 PQL	U	ND	UG/KG	1
PCB-1262 (Aroclor 1262)	1.46	25.0 PQL	U	ND	UG/KG	1
PCB-1268 (Aroclor 1268)	6.20	25.0 PQL	U	ND	UG/KG	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:			
Decachlorobiphenyl	40-140	SLSA	102%
2,4,5,6-Tetrachloro-meta-xylene	40-140	SLSA	95.2%

U: EPA Flag - Compound was analyzed for, but was not detected

# QA/QC Report Matrix Spike/Duplicate Matrix Spike Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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QC Batch: 5H29033  
Matrix: Soil  
Lab Samp ID: 5H29033-MS1  
Basis: Dry

Project Name: Lab Generated or Non COE Sample  
Project No.: Lab Generated or Non COE Sample  
Field ID: Lab Generated or Non COE Sample  
Lab Ref ID: B5H0591-01

Analyte	Analysis Method	Spike Level		Sample Result	Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	DMS		MS	DMS		MS	DMS	RPD	% Rec	MSA	RPD
PCB-1016 (Aroclor 1016)	SW8082	96.6	96.	ND	93.8	90.7	UG/KG dw	97.1	94.5	2.7	140-40	MSA	35MSP
PCB-1260 (Aroclor 1260)	SW8082	96.6	96.	ND	90.8	88.8	UG/KG dw	94.0	92.5	1.6	140-40	MSA	35MSP
2,4,5,6-Tetrachloro-meta-xylene	SW8082	100.	100.	88.3	89.4	88.3	PERCENT dw	89.4	88.3	1.2	140-40	SLSA	NA
Decachlorobiphenyl	SW8082	100.	100.	87.2	87.2	85.9	PERCENT dw	87.2	85.9	1.5	140-40	SLSA	NA

**QA/QC Report**  
**Blank Spike/Duplicate Blank Spike Summary**  
 North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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QC Batch: 5H29033  
 Matrix: Soil/Solid QC  
 Lab Samp ID: 5H29033-BS1

Analyte	Analysis Method	Spike Level		Spike Result		Units	% Recoveries			Acceptance Criteria		
		LCS	LCD	LCS	LCD		LCS	LCD	RPD	%Rec	LSA	RPD
PCB-1016 (Aroclor 1016)	SW8082	83.3	83.3	83.9	81.9	UG/KG dw	101	98.3	2.7	140-40	LSA	30LSP
PCB-1260 (Aroclor 1260)	SW8082	83.3	83.3	83.4	82.0	UG/KG dw	100	98.4	1.6	130-60	LSA	30LSP
2,4,5,6-Tetrachloro-meta-xylene	SW8082	100.	100.	91.8	91.9	PERCENT dw	91.8	91.9	0.11	140-40	SLSA	NA
Decachlorobiphenyl	SW8082	100.	100.	98.4	100.	PERCENT dw	98.4	100	1.6	140-40	SLSA	NA

# QA/QC Report Method Blank Summary

North Creek Analytical, Bothell, WA

Lab Report No.: B5H0640 Date: 09/01/05

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QC Batch: 5H30067									
Matrix: Soil/Solid QC									
Lab Samp ID: 5H30067-BLK1									
Analyte	Detection Limit	Reporting Limit	Note	Result	Units	Dil	Prep Method	Analysis Method	Analysis Date
Solids, Percent	NA	NA		100.	PERCENT	1	NONE	E160.3M	08/31/05



## Code List

Code	Name
!	Out of control limits
1C	First Column Result - The Value Obtained from the First Column
2C	Second Column Result - The Value Obtained from the Second Column
<	Less Than
=	Equal To
>	Greater Than
AAC	American Analytics, Chatsworth, CA
AACS	Aspen Analytical, Colorado Springs, CO
ABCP	ABC Environmental Laboratories, Pico Rivera, CA
ACET	ACE Laboratories, Inc., Simi Valley, CA
ACTD	Accutest Mid-Atlantic, Dayton, NJ
ACTH	Accutest Gulfcoast, Houston, TX
ACTM	Accutest New England, Marlborough, MA
ACTO	Accutest Southeast, Orlando, FL
ACZ	ACZ Laboratories, Steamboat, CO
AEH	AEH
AEHA	Army Environmental Hygiene Agency (AEHA), APG, MD
AEIW	AN/EN Inc., Watsonville, CA
AELF	American Environmental Laboratories, Pensacola, FL
AENP	American Environmental Network, Portland, OR
AETB	American Environmental Testing Laboratory, Inc., Burbank, CA
ALAB	Associated Laboratories, Orange, CA
ALIC	AccuLabs, Inc., City of Industry, CA
ALID	AccuLabs, Inc., Davis, CA
ALPS	Alpha Analytical, Inc., Sparks, NV
ALPU	Alpha Analytical Laboratories, Ukiah, CA
ALTC	Alta Analytical Lab Incorporated, El Dorado Hills, CA
ALWM	A&L Western Laboratories, Inc., Modesto, CA
AMSC	AmeriSci Los Angeles, Carson, CA
APHC	Applied Physics & Chemistry Laboratory, Chino, CA
APPL	Agriculture & Priority Pollutants Laboratories, Fresno, CA
ARDL	Applied Research and Development Lab, Inc., (ARDL) Mt. Vernon, IL
ARGC	Argon Laboratories, Ceres, CA
ARI	Analytical Resources, Inc., Seattle, WA
ASCI	Analytical Sciences, Petaluma, CA
ASLL	American Scientific Laboratories, LLC, Los Angeles, CA
ATCA	Analytica Alaska, Inc., Anchorage, AK
ATCC	Analytica Environmental Labs, Inc., Thornton, CO
ATCJ	Analytica Alaska, Inc., Juneau, AK
ATEM	Asbestos TEM Laboratories, Berkeley, CA
ATIA	Analytical Technologies, Inc., Anchorage, AK
ATIR	Analytical Technologies, Inc., Renton, WA
ATIS	Analytical Technologies, Inc., San Diego, CA
ATLC	Air Technology Laboratories, City of Industry, CA
ATOX	Air Toxics LTD, Folsom, CA
AVTS	Advanced Technology Laboratories, Signal Hill, CA
AXYS	Axys Analytical Services, Ltd., Sidney, B.C., Canada
BAAP	Badger Army Ammunition Plant Env. Lab, Baraboo, WI
BASH	Baseline Analytical Services, Huntington Beach, CA
BAW	Bace Analytical, Windsor, CA
BCE	Brown & Caldwell Analytical Lab, Emeryville, CA
BCLB	BC Laboratories, Bakersfield, CA
BD	Blank Spike Duplicate

Code	Name
BDO	Battelle Duxbury Operations, Duxbury, MA
BLPH	Block Environmental Services, Pleasant Hill, CA
BLR	Basic Laboratory, Redding, CA
BMLA	Boreochem Mobile Lab & Analytical Services
BMSS	Battelle Marine Sciences Laboratory, Sequim, WA
BRS	Brelje & Race, Santa Rosa, CA
BS	Blank Spike
BSKL	BSK Laboratories, Inc., Fresno, CA
BVLB	BioVir Laboratories, Inc., Benicia, CA
CALA	Castle Analytical Laboratory, Atwater, CA
CALN	Caltest Analytical Laboratory, Napa, CA
CALR	Centrum Analytical Laboratories, Inc., Riverside, CA
CALS	Centrum Analytical Laboratories, Inc., Signal Hill, CA
CAPC	CAPCO Analytical Services, Inc., Ventura, CA
CASB	Columbia Analytical Services, Inc., Bothell, WA
CASD	Columbia Analytical Services, Inc., Redding, CA
CASH	Columbia Analytical Services, Inc., Houston, TX
CASK	Columbia Analytical Services, Inc., Kelso, WA
CASL	Columbia Analytical Services, Inc., Canoga Park, CA
CASP	Columbia Analytical Services, Inc., Phoenix, AZ
CAWL	California Water Labs, Inc., Modesto, CA
CB	Calibration Blank
CC	Continuing Calibration Verification
CCN	Ceimic Corporation, Narragansett, RI
CDL	Contract Required Detection Limit
CDM	CDM Federal Programs Corporation
CELG	Calscience Environmental Laboratories, Inc., Garden Grove, CA
CELL	Creek Environmental Laboratories, Inc., San Luis Obispo, CA
CELR	Chevron Environmental Laboratory, Richmond, CA
CELS	Chemical & Environmental Laboratories, Inc., Santa Fe Springs, CA
CFWM	City of Fresno Wastewater Managment, Fresno, CA
CHEM	Chemic Laboratory, San Diego, CA
CHMC	CH2M Hill Analytical Services, Corvallis, OR
CHMM	CH2M Hill Analytical Services, Montgomery, AL
CHRP	ChromaLab, Inc., Pleasanton, CA
CKY	CKY Inc., Torrance, CA
CLPA	Contract Laboratory Program Accuracy Limits for Spiked Samples
CLPCC	CLP Continuing Calibration Acceptance Criteria
CLPIC	CLP Initial Calibration Acceptance Criteria
CLPLR	Contract Laboratory Program Precision for Lab Replicates
CLPP	Contract Laboratory Program Precision Limits for Spiked Samples
CLSR	California Laboratory Services, Rancho Cordova, CA
CLTP	Clayton Environmental Consultants, Inc., Pleasanton, CA
CRLB	Century Refining (CENREF) Labs, Inc., Brighton, CO
CRLS	CRL Environmental Laboratories, Sacramento, CA
CS	Client Sample
CTB	Curtis & Tompkins, Berkeley, CA
CTE	CT&E Environmental Services, Inc., Anchorage, AK
CTEC	CT&E Environmental Services, Inc., Charleston, WV
CTEP	Cal Tech Environmental Laboratories, Inc., Paramount, CA
CTES	Chemtek Environmental Laboratories, Santa Fe Springs, CA
CTLB	CT Laboratories, Baraboo, WI
CTLM	Cooper Testing Laboratory, Mountain View, CA
CWTB	Commonwealth Technologies, Baraboo, WI
DCHM	DataChem Laboratories, Inc., Salt Lake City, UT

Code	Name
DDL	Method Defined Detection Limit
DELB	Delta Environmental Laboratories, Benicia, CA
DHLR	DHL Analytical, Round Rock, TX
DLLC	Davy Laboratories, LaCrosse, WI
DLP	Davi Laboratories, Pinole, CA
DMAC	Del Mar Analytical, Colton, CA
DMAI	Del Mar Analytical, Irvine, CA
DMAP	Del Mar Analytical, Phoenix, AZ
DMP	D & M Laboratories, Petaluma, CA
DOWL	Dowl Engineering Alaska Test Labs, Anchorage, AK
DTAS	D-TEK Analytical Laboratories, Inc., San Diego, CA
DU	Data Unavailable
DU	Data Unavailable
EAL	Elite Analytical, Livermore, CA
EALS	Entech Analytical Labs, Inc., Santa Clara, CA
EALY	Entech Analytical Labs, Inc., Sunnyvale, CA
EASL	Environmental Analytical Services, Inc., Luis Obispo, CA
EBA	EBA
EBMU	East Bay Municipal Utility District Laboratory, Oakland, CA
ECEN	Ecology & Environment, Inc.
ECGB	EnChem, Green Bay, WI
ECI	EcoChem, Inc., Seattle, WA
ECIP	Enviro-Chem, Inc., Pomona, CA
ECK	EnChem, Kimberly, WI
ECLL	Environmental Chemistry Lab at LLNL, Livermore, CA
EEIS	Envirodyne Engineers, Inc., St. Louis, MO
EELR	Excelchem Environmental Labs, Roseville, CA
EELS	Environmental Engineering Laboratory, San Diego, CA
EMAS	EnviroMatrix Analytical, Inc., San Diego, CA
EMXT	EMAX Laboratories, Inc., Torrance, CA
EQL	Estimated Quantitation Limit
EQLS	Environmental Quality Laboratory at UTC, San Jose, CA
ERDL	ERD, Lawrence Livermore National Laboratory, Livermore, CA
ESBR	E. S. Babcock & Sons, Inc., Riverside, CA
ESR	Eberline Services, Richmond, CA
ESTI	Environmental Support Technologies, Inc., Irvine, CA
ETCS	ETC, Santa Rosa, CA
FAED	Frontier Analytical, El Dorado Hills, CA
FBIS	Friedman & Bruya, Inc., Seattle, WA
FGIS	Frontier Geosciences, Inc., Seattle, WA
FGL	Fruit Growers Laboratory, Inc., Stockton, CA
FGLE	FGL Environmental, Santa Paula, CA
FORA	Forensic Analytical
GALM	GeoAnalytical Laboratories, Inc., Modesto, CA
GBLR	Great Basin Laboratories, Inc., Reno, NV
GCAL	Gulf Coast Analytical Lab, Baton Rouge, LA
GELC	General Engineering Laboratories, Inc., Charleston, SC
GENC	GTEL Environmental Labs, Inc., Concord, CA
GGHO	G.G. Hatch Isotope Laboratories, Ottawa, Ontario, Canada
GLES	Galson Laboratories, E. Syracuse, NY
GPLG	GPL Laboratories, LLLP, Gaithersburg, MD
H2MM	H2M Labs, Inc., Melville, NY
HALB	Halcyon Laboratories, Bakersfield, CA
HEAA	Hall Environmental Analysis Laboratory, Albuquerque, NM
HLV	Herguth Laboratories, Inc., Vallejo, CA

Code	Name
HPLC	HP Labs, Escondido, CA
HWLQ	Henrici Water Laboratory, Quincy, CA
IC	Initial Calibration Verification
IDL	Instrument Detection Limit
IELA	InterPhase Environmental, Inc., Los Angeles, CA
IN	Internal Standard
JEIF	Jones Environmental, Inc., Fullerton, CA
JLAM	JL Analytical Services, Modesto, CA
KD	Known (External Reference Material) Duplicate
KESM	Kemron Environmental Services, Marietta, OH
KIC	KIC Lab, Prudhoe Bay, AK
KIFF	Kiff Analytical LLC, Davis, CA
KLIA	Kinnetic Laboratories, Inc., Anchorage, AK
KLIC	Kinnetic Laboratories, Inc., Carlsbad, CA
KLIL	Kinnetic Laboratories, Inc., Lahaina, HI
KLIS	Kinnetic Laboratories, Inc., Santa Cruz, CA
KLR	Kensington Laboratories, Richmond, CA
KMO	Kinder Morgan, Orange, CA
KPIS	KPrime, Inc., Santa Rosa, CA
LAB1	Laboratory 1
LAB2	Laboratory 2
LAL	Lockheed Analytical Laboratory, Las Vegas, NV
LASL	Los Alamos Scientific Laboratory, Los Alamos, NM
LB	Lab Blank
LCC	Laboratory Continuing Calibration Accuracy
LCLW	LifeChem Laboratory Services, Woodland Hills, CA
LCMS	LLNL Chemistry & Materials Sciences Analytical Lab, Livermore, CA
LDC	Laboratory Data Consultants
LIC	Laboratory Initial Calibration Accuracy
LICP	ICP MS Facility, LLNL, Livermore, CA
LL	Lancaster Laboratories, Inc., Lancaster, PA
LLD	Lowest Level of Detection
LLR	Laboratory Established Precision for Lab Replicates
LOQ	Limit of Quantitation
LR	Lab Replicate
LSA	Laboratory Sample Accuracy for Spiked Samples
LSP	Laboratory Sample Precision for Spiked Samples
LTL	Laucks Testing Lab, Inc.
MCAP	McC Campbell Analytical, Pacheco, CA
MCLL	Mobile Chem Labs, Inc., Lafayette, CA
MDL	Method Detection Limit
MEA	Method Established Accuracy for Spiked Samples
MEC	MEC Analytical Systems, Inc., Carlsbad, CA
MECC	Method Established Continuing Calibration Acceptance Criteria
MEIC	Method Established Initial Calibration Acceptance Criteria
MELR	Method Established Precision for Laboratory Replicates
MEP	Method Established Precision for Spiked Samples
MLIC	Michelson Laboratories, Inc., Commerce, CA
MLR	Matrix Laboratory Replicate Precision
MOLE	Mobile One Laboratories, Inc., Escondido, CA
MRL	Method Reporting Limit (lowest standard adjusted for prep.)
MS	GC/MS Result - Value Confirmed Using GC/MS
MS	Lab Matrix Spike
MSA	Matrix Spike Accuracy for Spiked Samples
MSLV	MID-STATE Laboratory LLC, Visalia, CA

Code	Name
MSP	Matrix Spike Precision for Spiked Samples
MSSL	Mountain States Analytical, Salt Lake City, UT
MWHM	MWH Labs, Monrovia, CA
MWLP	Montgomery Watson Laboratories, Pasadena, CA
NA	Not Applicable
NA	Not Available - Result Not Available
NC	Non-Client Sample
NCAA	North Creek Analytical, Anchorage, AK
NCAB	North Creek Analytical, Bothell, WA
NCAC	North Creek Analytical, Bend, OR
NCAP	North Creek Analytical, Beaverton, OR
NCAS	North Creek Analytical, Spokane, WA
NCLA	North Coast Laboratories, Arcata, CA
ND	Not Detected
NELL	NEL Laboratories, Inc., Las Vegas, NV
NLSC	Northern Lake Service, Crandon, WI
NR	Not Reported - Data Not Reported
NRES	Navy Regional Environmental Lab, San Diego, CA
NSEF	North State Environmental, South San Francisco, CA
NSLF	North State Labs, South San Francisco, CA
NTL	Northern Testing Laboratories, Anchorage, AK
NTLF	Northern Testing Laboratories, Fairbanks, AK
NU	Not Usable - Data Not Usable
NWCC	Northwest Colorado Consultants, Inc., Steamboat Springs, CO
OCAT	Orange Coast Analytical, Inc., Tustin, CA
OECS	Oilfield Environmental and Compliance, Santa Maria, CA
OEIR	OnSite Environmental, Inc., Redmond, WA
PA	Present/Absent
PAC	Pacific Analytical, Carlsbad, CA
PAIR	Precision Analytical, Inc., Richmond, CA
PAIS	Performance Analytical, Inc., Simi Valley, CA
PALA	Pacific Analytical Laboratory, Alameda, CA
PARA	Paragon Analytics, Inc., CO
PASA	Pace Analytical Services, Inc., Asheville, NC
PASC	Pace Analytical Services, Inc., Huntersville, NC
PASH	Pace Analytical Services, Inc., Houston, TX
PASI	Pace Analytical Services, Inc., Indianapolis, IN
PASN	Pace Analytical Services, Inc., St. Rose, LA
PCL	Pat-Chem Laboratories, Moorpark, CA
PDMW	Paradigm Analytical Laboratories, Wilmington, NC
PETS	Precision Enviro-Tech, Stockton, CA
PHLE	Philip Environmental
PIC	Pace Analytical Services, Inc., Camarillo, CA
PIHB	Pace Analytical Services, Inc., Huntington Beach, CA
PIL	Pace Analytical Services, Inc., Lenexa, KS
PIM	Pace Analytical Services, Inc., Minneapolis, MN
PIN	Pace Analytical Services, Inc., Novato, CA
PINY	Pace Analytical Services, Inc., New York, NY
PIP	Pace Analytical Services, Inc., Pittsburgh, PA
PITB	Pace Analytical Services, Inc., Tampa Bay, FL
PIWF	Pace Analytical Services, Inc., Wappingers Falls, NY
PLSA	Positive Lab Service, Los Angeles, CA
PLW	Perry Laboratory, Watsonville, CA
PNLE	Pacific Northwest Laboratories, Eugene, OR
PQL	Practical Quantitation Limit

Code	Name
PR	Primary Result - The Primary Result for a Parameter
PRL	Parameter Range Limit
QALA	Quality Analytical Laboratores, Inc., Montgomery, AL
QALC	Quality Analytical Laboratories, Inc., Redding, CA
RCHR	RCH Research & Env. Laboratories, Inc., Rancho Dominguez, CA
RFWC	Roy F. Weston, West Chester, PA
RFWS	Roy F. Weston, Stockton, CA
RM	Known (External Reference Material)
RS	Reagent Solvent
SAFW	Star Analytical, Fort Worth, TX
SALR	Shasta Analytical Laboratory, Inc., Redding, CA
SAS	Sound Analytical Services, Inc., Tacoma, WA
SBSA	Both Reagent and Matrix Sample Accuracy for Surrogates
SBSP	Both Reagent and Matrix Sample Precision for Surrogates
SC3S	S-Cubed, A Division of Maxwell Laboratories, Inc., San Diego, CA
SCLA	Contract Laboratory Program Limits for Surrogate Accuracy
SCLP	Contract Laboratory Program Limits for Surrogate Precision
SCLW	Soil Control Lab, Watsonville, CA
SCST	Southern California Soil & Testing, Inc., San Diego, CA
SD	Lab Matrix Spike Duplicate
SDGE	Environmental Analysis Lab, SDGE, San Diego, CA
SEMS	Sierra Environmental Monitoring, Sparks, NV
SEQC	Sequoia Analytical Laboratories, Inc., San Carlos, CA
SEQM	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
SEQP	Sequoia Analytical Laboratories, Inc., Petaluma, CA
SEQS	Sequoia Analytical Laboratories, Inc., Sacramento, CA
SEQW	Sequoia Analytical Laboratories, Inc., Walnut Creek, CA
SGSA	SGS Environmental Services Inc., Anchorage, AK
SGSL	SGS Michigan Division, Ludington, MI
SHLH	Sherwood Labs Corporation, Hilmar, CA
SIRL	Sierra Analytical Labs, Inc., Laguna Hills, CA
LSLA	Laboratory Sample Limits for Accuracy for Surrogates
SLSP	Laboratory Sample Limits for Precision for Surrogates
SMEA	Method Established Limits for Accuracy for Surrogates
SMEP	Method Established Limits for Precision for Surrogates
SMSA	Sample Matrix Limits for Accuracy for Surrogates
SMSP	Sample Matrix Limits for Precision for Surrogates
SPEC	Spectra Laboratory, Inc., Tacoma, WA
SPLH	SPL Houston Laboratory, Houston, TX
SPLL	SPL Lafayette Laboratory, Scott, LA
SPLM	SPL Michigan Laboratory, Traverse City, MI
SR	Semi-Quantitative Result
SRAD	Standard Reference Accuracy Defined by Agency/Manufacturer
SRMA	Standard Reference Material Accuracy Limits Determined by Lab
SRMP	Standard Reference Material Precision Limits Determined by Lab
SRPD	Standard Reference Precision Defined by Agency/Manufacturer
SSLE	SunStar Laboratories, Inc., Encinitas, CA
SSLT	SunStar Laboratories, Inc., Tustin, CA
STCL	STL ChromaLab, Inc., Pleasanton, CA
STEH	Sierra Testing Lab, El Dorado Hills, CA
STIS	Sparger Technology, Inc., Sacramento, CA
STL1	STL Denver, Arvada, CO
STL2	Severn Trent Laboratories, Edison, NJ
STL3	STL Los Angeles, Santa Ana, CA
STL4	Severn Trent Laboratories, Miramar, FL

Code	Name
STL5	Severn Trent Laboratories, Newburgh, NY
STL6	Severn Trent Laboratories, Colchester, VT
STL8	STL Seattle, Seattle, WA
STL9	Severn Trent Laboratories, Inc., Chicago, IL
STLB	Severn Trent Laboratories, Sparks, MD
STLC	Severn Trent Laboratories, North Canton, OH
STLD	Severn Trent Laboratories, Austin, TX
STLE	Severn Trent Laboratories, Tallahassee, FL
STLF	Severn Trent Laboratories, Tampa, FL
STLG	Severn Trent Laboratories, Savannah, GA
STLH	Severn Trent Laboratories, Houston, TX
STLI	Severn Trent Laboratories, Pensacola, FL
STLJ	Severn Trent Laboratories, N. Billerica, MA
STLK	STL Knoxville, Knoxville, TN
STLL	Severn Trent Laboratories, Earth City, MO
STLM	Severn Trent Laboratories, Monroe, CT
STLO	Severn Trent Laboratories, Mobile, AL
STLP	STL Pittsburgh, Pittsburgh, PA
STLQ	Severn Trent Laboratories, Amherst, NY
STLR	Severn Trent Laboratories, Richland, WA
STLS	STL Sacramento, West Sacramento, CA
STLT	Severn Trent Laboratories, Austin, TX (Quanterra)
STLU	Severn Trent Laboratories, University Park, IL
STLV	Severn Trent Laboratories, Valparaiso, IN
STLW	Severn Trent Laboratories, Westfield, MA
STLX	Severn Trent Laboratories, Tampa, FL (Savannah)
STLY	Severn Trent Laboratories, Whippany, NJ
STLZ	Severn Trent Laboratories, Corpus Christi, TX
STSM	Southland Technical Services, Inc., Montebello, CA
SU	Surrogate
SWAA	Shannon & Wilson, Inc., Anchorage, AK
SWLB	Southwest Laboratory, Broken Arrow, OK
SWRI	Southwest Research Institute, San Antonio, TX
TAN	TestAmerica - Nashville Division, Nashville, TN
TDL	Target Method Detection Limit
TDLT	Truesdail Laboratories, Inc., Tustin, CA
TEGR	TEG Northern California, Inc., Rancho Cordova, CA
TGGB	TEG, Solana Beach, CA
TI	Tentatively Identified Compound
TLF	Twining Labs, Fresno, CA
TLIT	Turner Laboratories, Inc., Tucson, AZ
TLM	Torrent Laboratory, Milpitas, CA
TRID	Triangle Laboratories, Inc., Durham, NC
TSIW	ToxScan, Inc., Watsonville, CA
WALC	Western Analytical Laboratories, Inc., Chino, CA
WCAS	West Coast Analytical Services, Inc., Santa Fe Springs, CA
WLGA	W. L. Gore and Associates, Inc., Elkton, MD
WLIC	Weck Laboratories, Inc., City of Industry, CA
WPEL	City of LA Dept. Water & Power Environ. Lab, Los Angeles, CA
WQLC	JWPCP Water Quality Laboratory, Carson, CA
WQLW	San Jose Creek Water Quality Laboratory, Whittier, CA
XX	No QC for method
ZALB	Zalco Laboratories, Inc., Bakerfield, CA
ZXEO	ZymaX envirotechnology, San Luis Obispo, CA



## Laboratory Analysis Report

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<b>Work Order:</b>	1054532	
	25037 NE Cape 04 036	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	July 29, 2005	

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Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the PQL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.





SGS Ref.# 1054532001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL001  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL001

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 10:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	565 U	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	5130	565	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.4		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532002  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL008  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL008

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 11:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	592 U	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	6950	592	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	68.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	83.4		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532003  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL013  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL013

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/21/2005 12:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	624 U	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	7090	624	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	77		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	78.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532004  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL015  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL015

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 11:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	563 U	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	8330	563	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.4		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532005  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL016  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL016

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 11:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:  
8082 - Surrogate is outside of controls due to sample dilution.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	2770 U	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	17700	2770	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	0	!	%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	89.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532006  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL062  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL062

**All Dates/Times are Alaska Standard Time**

Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 17:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

8082 - Surrogate is outside of controls due to sample dilution.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	2700 U	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	37100	2700	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	0	!	%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	91.9		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532007  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL064  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL064

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 17:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	261 U	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	1410	261	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	93.4		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.5		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532008  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL003  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL003

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 10:58  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.6 U	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	286	51.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.3		%	SM20 2540G	A			07/25/05	HM





SGS Ref.# 1054532009  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL032  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL032

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 14:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	52.9 U	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	173	52.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	83.5		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.2		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532010  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL038  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL038

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 14:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	54.4 U	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	99.1	54.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	87.1		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	90.7		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532011  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL042  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL042

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 15:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	53.8 U	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	53.6 J	53.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	89.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	91.6		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532012  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC07SL053  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL053

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/18/2005 16:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	152	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.8		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532013  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL081  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL081

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 7:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	73.8		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532014  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL082  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL082

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	49.4 U	49.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.6		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532015  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL083  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL083

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532016  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL085  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL085

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.8 U	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	228	50.8	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM





SGS Ref.# 1054532017  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL086  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL086

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.0		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532018  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL087  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL087

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	59.1	51.2	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532019  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL088  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL088

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:20  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	263	50.9	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.6		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.3		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532020  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL089  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL089

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	173	50.6	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.5		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532021  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL090  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL090

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:30  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	54.8	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.3		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532022  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL091  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL091

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:35  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	44.5 J	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	96.4		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.0		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532023  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL092  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL092

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	58.4	51.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.9		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.0		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532024  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL093  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL093

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 8:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	50.0 U	50.0	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	89.1		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM





SGS Ref.# 1054532025  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL094  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL094

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	49.5 U	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	115	49.5	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	91.5		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532026  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL095  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL095

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	50.4 U	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	116	50.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	89.7		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	98.2		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532027  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL097  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL097

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.9 U	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	96.8	49.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	95.8		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532028  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL098  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL098

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.2 U	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	149	49.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	94.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.0		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532029  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL099  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL099

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:20  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.2 U	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	114	51.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	94		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.9		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532030  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL100  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL100

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:25  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	101	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	97.7		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532031  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL101  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL101

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:30  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	49.7 U	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	606	49.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	95.2		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.0		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532032  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL102  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL102

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:35  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	432	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	94.1		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.6		%	SM20 2540G	A			07/25/05	HM





SGS Ref.# 1054532033  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL103  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL103

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:40  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	165	50.2	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	98.5		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.9		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532034  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL104  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL104

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:45  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.1 U	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	56.8	51.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	91.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.8		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532035  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL105  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL105

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:50  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.1 U	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	53.9	50.1	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.6		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.9		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532036  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL106  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL106

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	353	50.3	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.1		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.7		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532037  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL107  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL107

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 11:55  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	520	51.0	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	96.3		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.5		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532038  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL109  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL109

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 12:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	1440	255	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	94.8		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.4		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532039  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL110  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL110

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 12:05  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	324	50.7	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	91.9		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.2		%	SM20 2540G	A			07/25/05	HM



SGS Ref.# 1054532040  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL111  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL111

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 12:10  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
Aroclor-1260	169	50.6	ug/Kg	SW8082	A		07/26/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	94.5		%	SW8082	A	60-125	07/26/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.3		%	SM20 2540G	A			07/25/05	HM





SGS Ref.# 1054532041  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL112  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL112

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 12:36  
Collected Date/Time 07/19/2005 12:15  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	51.7 U	51.7	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	83.2		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.6		%	SM20 2540G	A			07/25/05	HM

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-01

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:  
Michelle Turner  
BEESC  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

No. JARS

Sample Type

C= COMP  
D= discrete

PCB 8082

72-hour TAT

Composite sample name

1054532



LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
① A	05NEC31SL001	7/18/05	1050	SL	1	D	X	X	--	
②	05NEC31SL008	7/18/05	1140	SL	1	D	X	X	--	
③	05NEC31SL013	7/21/05	1210	SL	1	D	X	X	--	
④	05NEC31SL015	7/18/05	1145	SL	1	D	X	X	--	
⑤	05NEC31SL016	7/18/05	1150	SL	1	D	X	X	--	
⑥	05NECAFSL062	7/18/05	1740	SL	1	D	X	X	--	
⑦	05NECAFSL064	7/18/05	1750	SL	1	D	X	X	--	
⑧	05NEC31SL003	7/18/05	1058	SL	1	D	X	X	--	

**RUSH**

Collected/Relinquished By: (1) <i>Harry W. Lee</i>	Date 7/25/05	Time 1140	Received By:	Shipping Carrier:	Temperature C: 70-5.3 C-8.0
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	
Collected/Relinquished By: (3)	Date	Time	Received By:	Data Deliverables: USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Collected/Relinquished By: (4) <i>7/25/05</i>	Date 7/25/05	Time 1140	Received For Laboratory By:	Requested Turnaround Time and Special Instructions: NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-02

Quote No.: 6970

Contact: Michelle Turner

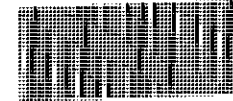
Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:  
Michelle Turner  
BEESC  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

PAGE 1 OF 1

1054532



LAB NO	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	Remarks
① A	05NEC07SL032	7/18/05	1425	SL	1	D	X	X	--	
②	05NEC07SL038	7/18/05	1445	SL	1	D	X	X	--	
③	05NEC07SL042	7/18/05	1505	SL	1	D	X	X	--	
④	05NEC07SL053	7/18/05	1600	SL	1	D	X	X	--	
⑤	05NEC31SL081	7/19/05	0755	SL	1	D	X	X	--	
⑥	05NEC07SL082	7/19/05	0800	SL	1	D	X	X	--	
⑦	05NEC07SL083	7/19/05	0800	SL	1	D	X	X	--	
⑧	05NEC07SL085	7/19/05	0805	SL	1	D	X	X	--	
⑨	05NEC07SL086	7/19/05	0810	SL	1	D	X	X	--	
⑩	05NEC07SL087	7/19/05	0815	SL	1	D	X	X	--	
⑪	05NEC07SL088	7/19/05	0820	SL	1	D	X	X	--	
									--	

RUSH

Collected/Relinquished By: (1) <i>[Signature]</i>	Date 7/25/05	Time 1140	Received By: <i>[Signature]</i>	Shipping Carrier:	Temperature C:
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	
Collected/Relinquished By: (3)	Date	Time	Received By:	Data Deliverables: USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle) INTACT    BROKEN ABSENT
Collected/Relinquished By: (4) <i>[Signature]</i>	Date 7/25/05	Time 1140	Received For Laboratory By: <i>[Signature]</i>	Requested Turnaround Time and Special Instructions:  Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"  NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-03

Quote No.: 6970

Contact: Michelle Turner

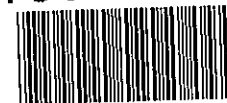
Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:  
Michelle Turner  
BEESC  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

PAGE 1 OF 1

1054532



No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name
	C= COMP D= discrete			

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX						Remarks
20 A	05NEC07SL089	7/19/05	0825	SL	1	D	X	X	--	
21	05NEC07SL090	7/19/05	0830	SL	1	D	X	X	--	
22	05NEC07SL091	7/19/05	0835	SL	1	D	X	X	--	
23	05NEC07SL092	7/19/05	0840	SL	1	D	X	X	--	
24	05NEC07SL093	7/19/05	0845	SL	1	D	X	X	--	
25	05NEC07SL094	7/19/05	1105	SL	1	D	X	X	--	
26	05NEC07SL095	7/19/05	1105	SL	1	D	X	X	--	
27	05NEC07SL097	7/19/05	1110	SL	1	D	X	X	--	
28	05NEC07SL098	7/19/05	1115	SL	1	D	X	X	--	
29	05NEC07SL099	7/19/05	1120	SL	1	D	X	X	--	
30	05NEC07SL100	7/19/05	1125	SL	1	D	X	X	--	
31	05NEC07SL101	7/19/05	1130	SL	1	D	X	X	--	

RUSH

Collected/Relinquished By: (1) 	Date 7/25/05	Time 1140	Received By: 	Shipping Carrier:	Temperature C:
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No:	
Collected/Relinquished By: (3)	Date	Time	Received By:	Data Deliverables: USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle) INTACT    BROKEN ABSENT
Collected/Relinquished By: (4) 	Date 7/25/05	Time 1140	Received For Laboratory By: 	Requested Turnaround Time and Special Instructions:  Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"  NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-04

Quote No.: 6970

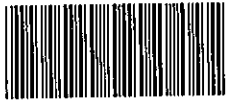
PAGE 1 OF 1

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:  
Michelle Turner  
BEESC  
2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

No. JARS	Sample Type  C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	<div style="font-size: 2em; font-weight: bold;">1054532</div> 
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LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
(32) A	05NEC07SL102	7/19/05	1135	SL	1	D	X	X	--	
(33)	05NEC07SL103	7/19/05	1140	SL	1	D	X	X	--	
(34)	05NEC07SL104	7/19/05	1145	SL	1	D	X	X	--	
(35)	05NEC07SL105	7/19/05	1150	SL	1	D	X	X	--	
(36)	05NEC07SL106	7/19/05	1155	SL	1	D	X	X	--	
(37)	05NEC07SL107	7/19/05	1155	SL	1	D	X	X	--	
(38)	05NEC07SL109	7/19/05	1200	SL	1	D	X	X	--	
(39)	05NEC07SL110	7/19/05	1205	SL	1	D	X	X	--	
(40)	05NEC07SL111	7/19/05	1210	SL	1	D	X	X	--	
(41)	05NEC07SL112	7/19/05	1215	SL	1	D	X	X	--	

RUSHA

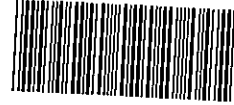
Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
<i>[Signature]</i>	7/25/05	1140	<i>[Signature]</i>	Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mtturner@beesc.com) Cooler receipt & temp	
<i>[Signature]</i>	7/25/05	1148	<i>[Signature]</i>		

SGS

## SAMPLE RECEIPT FORM

SGS WO#:

1054532



Yes No NA

☒ Are samples **RUSH** priority or *with* 72 hrs. of hold time?  
☒ If yes have you done e-mail notification?  
☒ Are samples *within* 24 hrs. of hold time or due date?  
☒ If yes, have you spoken with Supervisor?  
☒ Archiving bottles- if req., are they properly marked?  
☒ Are there any **problems**? PM Notified?  
☒ Were samples preserved correctly and pH verified?

☒ If this is for PWS, provide **PWSID**.  
☒ Will courier charges apply?  
 Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes:  
☒ Is this a DoD project? (USACE, Navy, AFCEE)

SEDS COELT

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

Yes No  
☒ Is received temperature  $4 \pm 2^\circ\text{C}$ ?  
 Exceptions: C = 8.0 Samples/Analyses Affected:  
☒ Rad Screen performed? Result:  
☒ Was there an airbill? (Note # above in the right hand column)  
☒ Was cooler sealed with custody seals?  
 # / where:  
☒ Were seal(s) intact upon arrival?  
☒ Was there a COC with cooler?  
☒ Was COC sealed in plastic bag & taped inside lid of cooler?  
☒ Was the COC filled out properly?  
☒ Did the COC indicate COE / AFCEE / Navy project?  
☒ Did the COC and samples correspond?  
☒ Were all sample packed to prevent breakage?  
 Packing material: BSW  
☒ Were all samples unbroken and clearly labeled?  
☒ Were all samples sealed in separate plastic bags?  
☒ Were all VOCs free of headspace and/or MeOH preserved?  
☒ Were correct container / sample sizes submitted?  
☒ Is sample condition good?  
☒ Was copy of CoC, SRF, and custody seals given to PM to fax?

Notes:

Due Date: 7-28-05  
 Received Date: 7-25-05  
 Received Time: 1140

Is date/time conversion necessary? N  
 # of hours to AK Local Time:

Thermometer ID: SD  

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>5-3</u> °C	<u>8.0</u> °C
	°C	°C
	°C	°C
	°C	°C
	°C	°C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply) Client /  
 Alert Courier / UPS / FedEx / USPS /  
 AA Goldstreak / NAC / ERA / PenAir / Carllie  
 Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (*if applicable*)  
☐ Extra Sample Volume?  
☐ Limited Sample Volume?  
☐ Field preserved for volatiles?  
☐ Field-filtered for dissolved?  
☐ Lab-filtered for dissolved?  
☐ Ref Lab required?  
☐ Foreign Soil?

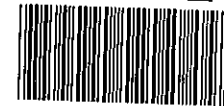
**This section must be filled if problems are found.**

Yes No  
☐ Was client notified of problems?

Individual contacted:  
 Via: Phone / Fax / Email (circle one)  
 Date/Time:  
 Reason for contact:

Change Order Required?  
 SGS Contact:

Completed by (sign): [Signature] (print): James Johnson  
 Login proof (check one): waived ☒ required ☐ performed by:

**SAMPLE RECEIPT FORM (page 2)**

SGS WO#:

[illegible]

Bottle Totals						41	
---------------	--	--	--	--	--	----	--

Completed by:

Date: 7-25-05

**Crupi, Steve (Anchorage)**

---

**From:** Turner, Michelle [mturner@beesc.com]  
**Sent:** Monday, July 25, 2005 2:03 PM  
**To:** Crupi, Steve (Anchorage)  
**Cc:** Pederson, Larry  
**Subject:** Rush PCB samples for NE Cape

Steve,

Larry and I were looking at our COCs for NE Cape and discovered that several samples have wrong sample IDs.

On COC#s NEC-02, NEC-03, and NEC-047 (SGS # 1054532)

Sample IDs should be changed from 05NCEC07SL0## to 05NEC31SL0## for all samples starting with 05NEC07SL082 and going through 05NEC07SL112.

If you would like us to send you corrected COCs (just to make sure everything is clear), we can do that.

Please respond to Larry (lpederson@beesc.com) and myself to confirm you got this message.

Thanks and have a great day,  
Michelle

Michelle T. Turner  
Environmental Specialist  
Bristol Environmental & Engineering Services Corp.  
2000 International Airport Rd., #C-1  
Anchorage, AK 99502  
mturner@beesc.com

7/26/2005



**Crupi, Steve (Anchorage)**

---

**From:** Turner, Michelle [mturner@beesc.com]  
**Sent:** Wednesday, July 27, 2005 7:33 AM  
**To:** Crupi, Steve (Anchorage)  
**Cc:** Curl, Patricia; Johnson, Steve  
**Subject:** RE: NE Cape  
**Attachments:** Corrected COCs 2-4.pdf

Steve,

I will be in the office until about 10:30 today (I'm in a class).

1) What are NPDL numbers? The location ids are the sample id numbers. Sorry, I'm confused as to what information you're looking for.

2) The samples Larry sent in (second batch with temps above 6.0C) are waste (and also PCBs). Don't worry about the temperature. Run them. We absolutely need results \*before\* the end of the day Friday as we are shipping waste over the weekend.

3) The corrected COCs are attached. In the pdf Larry sent he didn't mark corrected COCs next to the COC#, but I'll go ahead and make that adjustment before sending them.

After 11am I will be reachable via cell phone (575-3145) if you have other questions.

Thanks,  
Michelle

Michelle T. Turner  
Environmental Specialist  
Bristol Environmental & Engineering Services Corp.  
2000 International Airport Rd., #C-1  
Anchorage, AK 99502  
mturner@beesc.com

---

**From:** Crupi, Steve (Anchorage) [mailto:Steve.Crupi@sgs.com]  
**Sent:** Tuesday, July 26, 2005 9:02 AM  
**To:** Turner, Michelle  
**Subject:** NE Cape

Good Morning Michelle!

A few questions for you this morning...

Do you have an NPDL number and location IDs for the samples received this week?

The temperatures for the samples Larry brought in near noon were above 6.0 degrees. Is it safe for me to assume we should proceed?

Larry left me a voice mail message late yesterday indicating he would be out of the office and that he just sent a pdf of the corrected COCs. However, I have not yet received that email. Did you happen to copy you on the email, so maybe you could forward to me?

That's it for now.

7/27/2005

Steve

Steven R. Crupi

Project Manager

SGS Environmental Services

Anchorage, AK 99518

(907) 550-3213 (direct)

(907) 562-2343 (general)

(907) 561-5301 (fax)

[steve\\_crupi@sgs.com](mailto:steve_crupi@sgs.com)

---

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Visit <http://www.sgs.com>

7/27/2005

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-02 Corrected

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

PAGE 1 OF 1

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

No. JARS

Sample Type

C= COMP  
D= discrete

PCB 8082

72-hour TAT

Composite sample name

Remarks

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC07SL032	7/18/05	1425	SL	1	D	X	X	--	
	05NEC07SL038	7/18/05	1445	SL	1	D	X	X	--	
	05NEC07SL042	7/18/05	1505	SL	1	D	X	X	--	
	05NEC07SL053	7/18/05	1600	SL	1	D	X	X	--	
	05NEC31SL081	7/19/05	0755	SL	1	D	X	X	--	
	05NEC31SL082	7/19/05	0800	SL	1	D	X	X	--	
	05NEC31SL083	7/19/05	0800	SL	1	D	X	X	--	
	05NEC31SL085	7/19/05	0805	SL	1	D	X	X	--	
	05NEC31SL086	7/19/05	0810	SL	1	D	X	X	--	
	05NEC31SL087	7/19/05	0815	SL	1	D	X	X	--	
	05NEC31SL088	7/19/05	0820	SL	1	D	X	X	--	
									--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-03 Corrected

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. IARS	Sample Type C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC31SL089	7/19/05	0825	SL	1	D	X	X	--	
	05NEC31SL090	7/19/05	0830	SL	1	D	X	X	--	
	05NEC31SL091	7/19/05	0835	SL	1	D	X	X	--	
	05NEC31SL092	7/19/05	0840	SL	1	D	X	X	--	
	05NEC31SL093	7/19/05	0845	SL	1	D	X	X	--	
	05NEC31SL094	7/19/05	1105	SL	1	D	X	X	--	
	05NEC31SL095	7/19/05	1105	SL	1	D	X	X	--	
	05NEC31SL097	7/19/05	1110	SL	1	D	X	X	--	
	05NEC31SL098	7/19/05	1115	SL	1	D	X	X	--	
	05NEC31SL099	7/19/05	1120	SL	1	D	X	X	--	
	05NEC31SL100	7/19/05	1125	SL	1	D	X	X	--	
	05NEC31SL101	7/19/05	1130	SL	1	D	X	X	--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner - BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

**COC# NEC-04 Corrected**

**Quote No.: 6970**

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE \_\_1\_\_ OF \_\_1\_\_

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type  C= COMP D= discrete	PCB 8082	72-hour TAT	Composite sample name	Remarks
	05NEC31SL102	7/19/05	1135	SL	1	D	X	X	--	
	05NEC31SL103	7/19/05	1140	SL	1	D	X	X	--	
	05NEC31SL104	7/19/05	1145	SL	1	D	X	X	--	
	05NEC31SL105	7/19/05	1150	SL	1	D	X	X	--	
	05NEC31SL106	7/19/05	1155	SL	1	D	X	X	--	
	05NEC31SL107	7/19/05	1155	SL	1	D	X	X	--	
	05NEC31SL109	7/19/05	1200	SL	1	D	X	X	--	
	05NEC31SL110	7/19/05	1205	SL	1	D	X	X	--	
	05NEC31SL111	7/19/05	1210	SL	1	D	X	X	--	
	05NEC31SL112	7/19/05	1215	SL	1	D	X	X	--	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Temperature C:
				Shipping Ticket No:	
Collected/Relinquished By: (2)	Date	Time	Received By:	Data Deliverables:	Chain of Custody Seal: (Circle)
				USACE data deliverables requested; SEDD and COELT EDDs requested	INTACT    BROKEN ABSENT
Collected/Relinquished By: (3)	Date	Time	Received By:	Requested Turnaround Time and Special Instructions:	
				Composite samples as requested above. Run composite samples under identifiers as requested above. Provide QA/QC samples as requested in "remarks"	
Collected/Relinquished By: (4)	Date	Time	Received For Laboratory By:	NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	



SGS Ref.# 1054532012  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL053  
Matrix Soil/Solid  
Location/Well ID 05NEC07SL053

All Dates/Times are Alaska Standard Time  
Printed Date/Time 12/08/2005 17:42  
Collected Date/Time 07/18/2005 16:00  
Received Date/Time 07/25/2005 11:40  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1221	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1232	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1242	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1248	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1254	51.4 U	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
Aroclor-1260	152	51.4	ug/Kg	SW8082	A		07/26/05	07/27/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.8		%	SW8082	A	60-125	07/26/05	07/27/05	WAA
<b><u>Solids</u></b>									
Total Solids	94.8		%	SM20 2540G	A			07/25/05	HM



# Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste C1  
Anchorage, AK 995021117

---

<b>Work Order:</b>	1054603	
	25037 NE Cape 04 036	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	July 29, 2005	

---

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the PQL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.



SGS Ref.# 1054603001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste7  
Matrix Soil/Solid  
Location/Well ID Waste7

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 14:20  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	63.7 U	63.7	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	5250	637	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76.8		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	78.4		%	SM20 2540G	A			07/26/05	JC





SGS Ref.# 1054603002  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste110  
Matrix Soil/Solid  
Location/Well ID Waste110

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 17:50  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	53.6 U	53.6	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	2020	536	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	80.3		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	92.9		%	SM20 2540G	A			07/26/05	JC



SGS Ref.# 1054603003  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID Waste98  
Matrix Soil/Solid  
Location/Well ID Waste98

All Dates/Times are Alaska Standard Time  
Printed Date/Time 07/29/2005 14:36  
Collected Date/Time 07/18/2005 13:30  
Received Date/Time 07/25/2005 17:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1221	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1232	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1242	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1248	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1254	56.1 U	56.1	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
Aroclor-1260	11900	561	ug/Kg	SW8082	A		07/27/05	07/28/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.3		%	SW8082	A	60-125	07/27/05	07/28/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.7		%	SM20 2540G	A			07/26/05	JC

## CHAIN OF CUSTODY RECORD

**COC# NEC-06**

2000 W. International Airport Rd., #C-1  
Anchorage, AK 99502-1118

1054603



Collected/Relinquished By: (1) <i>[Signature]</i>	Date 7/6/05	Time 1650	Received By: <i>[Signature]</i>	Shipping Carrier	Temperature C: 6.6°C
Collected/Relinquished By: (2)	Date	Time	Received By:	Shipping Ticket No.	
Collected/Relinquished By: (3)	Date	Time	Received By:	Data Deliverables: USACE data deliverables requested; SEDD and COELT EDDs requested	Chain of Custody Seal: (Circle) INTACT <input checked="" type="radio"/> BROKEN <input type="radio"/> ABSENT <input type="radio"/>
Collected/Relinquished By: (4) <i>[Signature]</i>	Date 7/25/05	Time 1920	Received For Laboratory By: <i>[Signature]</i>	Requested Turnaround Time and Special Instructions:  NOA Michelle Turner – BEESC 907-563-0013 (mturner@beesc.com) Cooler receipt & temp	

SGS

**RUSH**

## SAMPLE RECEIPT FORM

SGS WO#:

1054603



Yes No NA

- ☒ Are samples **RUSH**, priority, or w/n 72 hrs. of hold time?  
☒ If yes have you done e-mail notification?  
☒ Are samples within 24 hrs. of hold time or due date?  
☒ If yes, have you spoken with Supervisor?  
☒ Archiving bottles— if req., are they properly marked?  
☒ Are there any problems? PM Notified?  
☒ Were samples preserved correctly and pH verified?

- ☒ If this is for PWS, provide **PWSID**.  
☒ Will courier charges apply?  
 Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes: COELT  
☒ Is this a DoD project? (USACE) Navy, AFCEE

Due Date: 7/28/05  
 Received Date: 7/25/05  
 Received Time: 1720  
 Is date/time conversion necessary? no  
 # of hours to AK Local Time: —

Thermometer ID: 7D  

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>6.6</u> °C	<u>9.6</u> °C
	°C	°C
	°C	°C
	°C	°C
	°C	°C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client /  
 Alert Courier / UPS / FedEx / USPS /  
 AA Goldstreak / NAC / ERA / PenAir / Carllie  
 Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (✓if applicable)

- ☐ Extra Sample Volume?  
☐ Limited Sample Volume?  
☐ Field preserved for volatiles?  
☐ Field-filtered for dissolved?  
☐ Lab-filtered for dissolved?  
☐ Ref Lab required?  
☐ Foreign Soil?

*This section must be filled out for DoD projects (USACE, Navy, AFCEE)*

- Yes No  
☒ Is received temperature 4 ± 2°C?  
 Exceptions: 1-3A Samples/Analyses Affected:  
☒ Rad Screen performed? Result: N/A  
☒ Was there an airbill? (Note # above in the right hand column)  
☒ Was cooler sealed with custody seals?  
 # / where:  
☒ Were seal(s) intact upon arrival?  
☒ Was there a COC with cooler?  
☒ Was COC sealed in plastic bag & taped inside lid of cooler?  
☒ Was the COC filled out properly?  
☒ Did the COC indicate COE / AFCEE / Navy project?  
☒ Did the COC and samples correspond?  
☒ Were all sample packed to prevent breakage?  
 Packing material:  
☒ Were all samples unbroken and clearly labeled?  
☒ Were all samples sealed in separate plastic bags?  
☒ N/A Were all VOCs free of headspace and/or MeOH preserved?  
☒ Were correct container / sample sizes submitted?  
☒ Is sample condition good?  
☒ Was copy of CoC, SRF, and custody seals given to PM to fax?

*This section must be filled if problems are found.*

Yes No  
☐ Was client notified of problems?

Individual contacted:  
 Via: Phone / Fax / Email (circle one)  
 Date/Time:  
 Reason for contact:

Change Order Required?  
 SGS Contact:

Notes: \* Samples received out of temperature

Completed by (sign): Brenda Sheets (print): Brenda Sheets  
 Login proof (check one): waived ☐ required ☐ performed by:

**SGS****SAMPLE RECEIPT FORM (page 2)**

SGS WO

1054603

[illegible]

### Bottle Totals

3

Completed by: Brenda Sheets Date: 7/25/05



## Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
2000 W Intl Airport Rd, Ste CI  
Anchorage, AK 995021117

**Work Order:** I054652  
**Client:** NE Cape Boiler  
**Report Date:** Bristol Environmental  
July 29, 2005

**Released by:**

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

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The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the PQL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.

BESS

1054652



Virginia  
Jersey

040100

[illegible]



## SAMPLE RECEIPT FORM

SGS WO#:



Yes No NA

- ☒ Are samples **RUSH**, priority, or w/n 72 hrs. of hold time?  
☒ If yes have you done e-mail notification?  
☒ Are samples *within* 24 hrs. of hold time or due date?  
☒ If yes, have you *spoken with* Supervisor?  
☒ Archiving bottles- if req., are they properly marked?  
☒ Are there any problems? PM Notified?  
☒ Were samples preserved correctly and pH verified?

- ☒ If this is for PWS, provide PWSID.  
☒ Will courier charges apply?  
☒ Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes:  
☒ Is this a DoD project? (USACE, Navy, AFCEE)

Due Date: 7-29-05

Received Date: 7-27-05

Received Time: 1150

Is date/time conversion necessary? ☒

# of hours to AK Local Time:

Thermometer ID: Amb

Cooler ID Temp Blank Cooler Temp

°C °C

°C °C

°C °C

°C °C

°C °C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client

Alert Courier / UPS / FedEx / USPS /

AA Goldstreak / NAC / ERA / PenAir / Carlife

Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (✓if applicable)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required? AS

Foreign Soil?

*This section must be filled out for DoD projects (USACE, Navy, AFCEE)*

Yes No

- ☒ Is received temperature 4 ± 2°C?  
 Exceptions: Samples/Analyses Affected:  
☒ Rad Screen performed? Result:  
☒ Was there an airbill? (Note # above in the right hand column)  
☒ Was cooler sealed with custody seals?  
 # / Where:  
☒ Were seal(s) intact upon arrival?  
☒ Was there a COC with cooler?  
☒ Was COC sealed in plastic bag & taped inside lid of cooler?  
☒ Was the COC filled out properly?  
☒ Did the COC indicate COE / AFCEE / Navy project?  
☒ Did the COC and samples correspond?  
☒ Were all sample packed to prevent breakage?  
 Packing material:  
☒ Were all samples unbroken and clearly labeled?  
☒ Were all samples sealed in separate plastic bags?  
☒ Were all VOCs free of headspace and/or MeOH preserved?  
☒ Were correct container / sample sizes submitted?  
☒ Is sample condition good?  
☒ Was copy of CoC, SRF, and custody seals given to PM to fax?

*This section must be filled if problems are found.*

Yes No

Was client notified of problems?

Individual contacted:

Via: Phone / Fax / Email (circle one)

Date/Time:

Reason for contact:

Change Order Required?

SGS Contact:

Notes:

Completed by (sign):

(print):

Login proof (check one): waived ☒ required ☐ performed by:

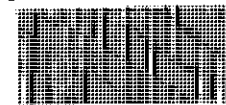


SGS

1054652

**SAMPLE RECEIPT FORM (page 2)**

SGS WO#:

[illegible]

Bottle Totals									5
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Completed by:

—Date:

7-27-05

**Bulk Sample Analysis for Asbestos**

WEC Project #: 05G-359

Client Project#: 1054652

Report #: 27950

Report By: C.Corpuz

Report Date: 7/29/2005

Client: SGS Environmental  
200 W. Potter Dr.  
Anchorage, AK 99518

Collection Date: 7/23/2005

Collection By: CLIENT

TAT: 3 Business Days

Analysis By: B.Carroll

Analysis Date: 7/29/2005

Received By: Carroll

Received Date: 7/27/2005

# Samples: 5

# Layers: 5

Project Name/Location: Bristol Environmental Boiler

Client ID#	WEC ID#	Location	Material	Layer 1 of 1
05NECAFM101	AB05-4079	1054652001	Thermal Sys. Ins.	
<b>ASBESTOS</b>			% Asbestos: 13%	
Chrysotile 5%			Homo- genous No	Color Grey
Amosite 8%				
Other Fibrous Materials			% Non-Fibrous Materials: 87%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer 1 of 1
05NECAFM102	AB05-4080	1054652002	Thermal Sys. Ins.	
<b>ASBESTOS</b>			% Asbestos: 13%	
Chrysotile 5%			Homo- genous No	Color Off-White
Amosite 8%				
Other Fibrous Materials			% Non-Fibrous Materials: 87%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer 1 of 1
05NECAFM103	AB05-4081	1054652003	Gasket	
<b>ASBESTOS</b>			% Asbestos: 70%	
Chrysotile 70%			Homo- genous No	Color Off-White
Other Fibrous Materials			% Non-Fibrous Materials: 30%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer 1 of 1
05NECAFM104	AB05-4082	1054652004	Gasket	
<b>ASBESTOS</b>			% Asbestos: 40%	
Chrysotile 40%			Homo- genous No	Color Brown
Other Fibrous Materials			% Non-Fibrous Materials: 60%	
None Detected				

## Bulk Sample Analysis for Asbestos

WEC Project #: 05G-359

Client Project#: 1054652

Report #: 27950

Report By: C. Corpuz

Report Date: 7/29/2005

Client ID#	WEC ID#	Location	Material	Layer
05NECAF105	AB05-4083	1054652005	Gasket	1 of 1
<b>ASBESTOS</b>			% Asbestos:	45%
Chrysotile			45%	
Other Fibrous Materials			% Non-Fibrous Materials:	55%
None Detected				

Analyst

QC

Date

Date

Analysis performed by EPA Method 600/R-93/116. All quantities reported are based on visual estimation by PLM, unless point-counting method is requested and noted for the sample. Test report relates only to items tested and must not be used by client to claim product endorsement by NVLAP or any agency of the U.S. Government. Test reports must not be reproduced without the approval of WEC Inc., and are subject to WEC Inc. General Terms and Conditions (see reverse).

**CHAIN OF CUSTODY RECORD**  
**SGS Environmental Services Inc.**

**Locations Nationwide**

- Alaska
- Maryland
- Hawaii
- West Virginia
- New Jersey

**WWW.US.SHS.COM**

038267

[illegible]



# Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

G ichelle Turner  
Bristol Environmental  
2000 W Mtl Airport RJ, Ute C1  
Anchorage, AK 995021117

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<b>Work Order:</b>	1055152	
	25037 NE Cape 04 036	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	August 19, 2005	

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EncloseJ are the analytical results associateJ with the above wordorJer.

As rekuireJ by the state oqAlasda anJ the f UEPA, a qprmal S uality Assurance/S uality Control Program is maintaineJ by UQU. A copy oqour S uality Control G anual that outlines this program is available at your rekuest. The laboratory ADEC certification numbers are AK971-05 (DW), f UT-005 (CU) anJ AK00971 (G icro).

Except as speciqically noteJ, all statements anJ Jata in this report are in conqprmance to the provisions set qprth by the UQU S uality Assurance Program Plan anJ the National Environmental Laboratory AccreJitation Conqference.

Myou have any kuestions regarJing this report or iqwe can be oqany other assistance, please call your UQUProlect G anager at (907) 562-2343.

The qollowing Jcriptors may be qpunJ on your report which will serve to qurther kualiqy the Jata.

PS L	Practical S uantitation Limit (reporting limit).
f	MJ icates the analyte was analyzeJ qpr but not J etecteJ.
F	MJ icates value that is greater than or ekual to the G DL.
j	The kuantitation is an estimation.
ND	MJ icates the analyte is not J etecteJ.
B	MJ icates the analyte is qpunJ in a bland associateJ with the sample.
*	The analyte has exceeJ eJ allowable regulatory or control limits.
QT	Qreater Than
D	The analyte concentration is the result oqa J ilution.
LT	Less Than
!	Uurrogate out oqcontrol limits.
S	S C parameter out oqacceptance range.
G	A matrix eqqet was present.
jL	The analyte was positively iJ entiqeJ, but the kuantitation is a low estimation.
E	The analyte result is above the calibrateJ range.

Note: Uoil samples are reporteJ on a Jry weight basis unless otherwise speciqeJ.



SGS Ref.# 1055152001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC011  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC011

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 10:00  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	80.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152006  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC021  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC021

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 10:20  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.1 U	48.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152011  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC031  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC031

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 10:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	47.3 U	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	24.8 J	47.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA





SGS Ref.# 1055152016  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC041  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC041

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 11:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.9 U	50.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152021  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC051  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC051

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 11:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.3 U	48.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152026  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC061  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC061

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 11:50  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.9 U	48.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152031  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC071  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC071

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/04/2005 15:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	47.0 U	47.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.9		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152036  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC081  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC081

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 9:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81.4		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152041  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC091  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC091

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 10:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.0 U	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	44.5 J	50.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152042  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC092  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC092

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 10:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.3 U	50.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152048  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC101  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC101

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 10:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	101 U	101	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA





SGS Ref.# 1055152055  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC111  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC111

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 11:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.6 U	50.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152060  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC121  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC121

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 11:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.0 U	49.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152061  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC122  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC122

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 11:45  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.9 U	49.9	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152067  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC131  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC131

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/05/2005 12:15  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.3 U	49.3	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	88.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152074  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC141  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC141

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 8:30  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.2 U	49.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	80.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152075  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC142  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC142

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 8:30  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	83.8		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152081  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC151  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC151

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 8:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.1 U	50.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	88.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152086  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC161  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC161

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 9:20  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	90.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA





SGS Ref.# 1055152091  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC171  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC171

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 9:40  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.0 U	51.0	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	85.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152096  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC181  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC181

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 10:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.8 U	50.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	91.2		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152101  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC191  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC191

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 10:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.2 U	50.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	84.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152106  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC201  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC201

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 10:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	48.8 U	48.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152111  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC211  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC211

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 11:15  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	102 U	102	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.3		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152116  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC221  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC221

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 8:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152121  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC231  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC231

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 9:05  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.8 U	49.8	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	77.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA



SGS Ref.# 1055152124  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFCC241  
Matrix Other Solids (Wet Weight)  
Location/Well ID 05NECAFCC241

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 9:25  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	49.1 U	49.1	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	81.9		%	SW8082	A	60-125	08/16/05	08/17/05	WAA





SGS Ref.# 1055152127  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL24A  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL24A

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 9:35  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	51.6 U	51.6	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.5		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.3		%	SM20 2540G	A			08/16/05	HM



SGS Ref.# 1055152128  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL56Re  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL56Re

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 15:50  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	56.2 U	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	114	56.2	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b><u>Surrogates</u></b>									
Decachlorobiphenyl <surr>	78.7		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.6		%	SM20 2540G	A			08/16/05	HM



SGS Ref.# 1055152129  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NECAFSL61Re  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL61Re

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 15:55  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	77.1	50.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.1		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	96.4		%	SM20 2540G	A			08/16/05	HM



SGS Ref.# 1055152130  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape 04 036  
Client Sample ID 05NEC31SL109Re  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL109Re

All Dates/Times are Alaska Standard Time  
Printed Date/Time 08/19/2005 16:06  
Collected Date/Time 08/07/2005 18:10  
Received Date/Time 08/12/2005 15:00  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
Aroclor-1260	145	51.7	ug/Kg	SW8082	A		08/16/05	08/17/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.2		%	SW8082	A	60-125	08/16/05	08/17/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.5		%	SM20 2540G	A			08/16/05	HM



# Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
111 W. 16th Ave. Suite 301  
Anchorage, AK 99501

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<b>Work Order:</b>	1055480	
	25037 NE Cape	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	September 07, 2005	

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Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Conference.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.



SGS Ref.# 1055480001  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL19  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL19

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/15/2005 11:20  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	57.6 U	57.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	85.4		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480002  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL20  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL20

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/15/2005 11:25  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	55.7 U	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	58.9	55.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.6		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	86.1		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480003  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL11  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL11

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/15/2005 11:20  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	58.0 U	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	17.5 J	58.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	73.6		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	85.1		%	SM20 2540G	A			08/26/05	HM





SGS Ref.# 1055480004  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NECAFSL22  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL22

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 13:30  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	52.6 U	52.6	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.3		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	90.1		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480005  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NECAFSL23  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL23

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 13:30  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	55.2 U	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	33.3 J	55.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	75.2		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	89.6		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480006  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NECAFSL26  
Matrix Soil/Solid  
Location/Well ID 05NECAFSL26

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 9:10  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	206	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	77.9		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	97.3		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480007  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL15  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL15

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 14:00  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	51.7 U	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	45.0 J	51.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76.4		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	89.5		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480008  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL16  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL16

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 11:15  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	54.4 U	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	97.8	54.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	79.7		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	90.8		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480011  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL17  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL17

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 9:05  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	52.4 U	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	508	52.4	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	80		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	93.6		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480012  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL31BN  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL31BN

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 14:05  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	50.7 U	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	35.6 J	50.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	72.6		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	90.9		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480013  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL31BE  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL31BE

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 14:10  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	92.9	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76.3		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	87.6		%	SM20 2540G	A			08/26/05	HM





SGS Ref.# 1055480014  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL31BW  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL31BW

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 14:20  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	54.9 U	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	32.7 J	54.9	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	73.1		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	87.0		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480015  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL06  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL06

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 16:40  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	55.1 U	55.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	2570	551	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	83.7		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	86.9		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480016  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL07  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL07

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 11:20  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	53.7 U	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	83.6	53.7	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	82.2		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	89.6		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480017  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL08  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL08

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 16:50  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	52.1 U	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	80.1	52.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	78.4		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	87.4		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480018  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL31A 2W  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL31A 2W

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 16:45  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	54.1 U	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	412	54.1	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	76.1		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	87.5		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480019  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL09  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL09

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 8:00  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	60.8 U	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	407	60.8	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	68.6		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	81.8		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480020  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID 05NEC31SL14  
Matrix Soil/Solid  
Location/Well ID 05NEC31SL14

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/19/2005 8:15  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	53.0 U	53.0	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	1530	265	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	70.9		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	84.6		%	SM20 2540G	A			08/26/05	HM



SGS Ref.# 1055480021  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID Waste 98 A  
Matrix Soil/Solid  
Location/Well ID Waste 98 A

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/17/2005 14:30  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	52.3 U	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	519	52.3	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	73.5		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	88.9		%	SM20 2540G	A			08/26/05	HM





SGS Ref.# 1055480022  
Client Name Bristol Environmental  
Project Name/# 25037 NE Cape  
Client Sample ID Waste 31 C  
Matrix Soil/Solid  
Location/Well ID Waste 31 C

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/07/2005 15:05  
Collected Date/Time 08/15/2005 14:30  
Received Date/Time 08/24/2005 14:56  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Polychlorinated Biphenyls</u></b>									
Aroclor-1016	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1221	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1232	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1242	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1248	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1254	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
Aroclor-1260	54.2 U	54.2	ug/Kg	SW8082	A		08/26/05	09/05/05	WAA
<b>Surrogates</b>									
Decachlorobiphenyl <surr>	75.3		%	SW8082	A	60-125	08/26/05	09/05/05	WAA
<b><u>Solids</u></b>									
Total Solids	89.5		%	SM20 2540G	A			08/26/05	HM

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-16

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

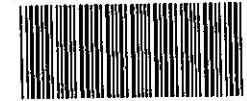
BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

1055480



No. JARS

Sample Type

C= COMP  
D= discrete

PCB 8082

72-hour TAT

Composite sample name

Remarks

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. JARS	Sample Type	PCB 8082	72-hour TAT	Composite sample name	Remarks
①	05NEC31SL19	8/15/05	1120	SL	1	D	X	--	--	
②	05NEC31SL20	8/15/05	1125	SL	1	D	X	--	--	
③	05NEC31SL11	8/15/05	1120	SL	1	D	X	--	--	
④	05NECAFSL22	8/17/05	1330	SL	1	D	X	--	--	
⑤	05NECAFSL23	8/17/05	1330	SL	1	D	X	--	--	
⑥	05NECAFSL26	8/17/05	0910	SL	1	D	X	--	--	
⑦	05NEC31SL15	8/17/05	1400	SL	1	D	X	--	--	
⑧	05NEC31SL16	8/17/05	1115	SL	1	D	X	--	--	MS/MSD
⑨	05NEC31SL17	8/17/05	0905	SL	1	D	X	--	--	
⑩	05NEC31SL31BN	8/19/05	1405	SL	1	D	X	--	--	
⑪	05NEC31SL31BE	8/19/05	1410	SL	1	D	X	--	--	
⑫	05NEC31SL31BW	8/19/05	1420	SL	1	D	X	--	--	

Collected/Relinquished By: (1)

Date

Time

Received By:

Shipping Carrier:

Temperature C:

Collected/Relinquished By: (2)

Date

Time

Received By:

Shipping Ticket No:

Data Deliverables:

Chain of Custody Seal:  
(Circle)

USACE data deliverables requested; SEDD and COELT EDDs requested

INTACT - BROKEN  
ABSENT

Collected/Relinquished By: (3)

Date

Time

Received By:

Requested Turnaround Time and Special Instructions:

Collected/Relinquished By: (4)

Date

Time

Received For Laboratory By:

NOA Michelle Turner - BEESC  
907-563-0013 (mtturner@beesc.com)  
Cooler receipt & temp

COE Contract #:04-036

# CHAIN OF CUSTODY RECORD

## SGS LABORATORY

200 W. Potter Drive, Anchorage, AK 99518 • 907-562-2343 • Fax 907-561-5301

COC# NEC-17

Quote No.: 6970

Contact: Michelle Turner

Phone No: 907-563-0013

Project: 25037 NE Cape

Reports To:

Michelle Turner

BEESC

2000 W. International Airport Rd., #C-1

Anchorage, AK 99502-1118

PAGE 1 OF 1

1055480



No. JARS

Sample Type

C=  
COMP  
D=  
discrete

PCB 8082

72-hour  
TAT

Composite sample name

Remarks

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX						
⑤ A	05NEC31SL06	8/17/05	1640	SL	1	D	X	--	--	
⑥	05NEC31SL07	8/19/05	1120	SL	1	D	X	--	--	
⑦	05NEC31SL08	8/17/05	1650	SL	1	D	X	--	--	
⑧	05NEC31SL31A-2W	8/19/05	1645	SL	1	D	X	--	--	
⑨	05NEC31SL09	8/19/05	0800	SL	1	D	X	--	--	
⑩	05NEC31SL14	8/19/05	0815	SL	1	D	X	--	--	

Collected/Relinquished By: (1)

Date

Time

Received By:

Shipping Carrier:

Temperature C:

Collected/Relinquished By: (2)

Date

Time

Received By:

Shipping Ticket No:

Data Deliverables:

Chain of Custody Seal:  
(Circle)

USACE data deliverables requested; SEDD and COELT EDDs requested

INTACT BROKEN  
ABSENT

Collected/Relinquished By: (3)

Date

Time

Received By:

Requested Turnaround Time and Special Instructions:

Collected/Relinquished By: (4)

Date

Time

Received For Laboratory By:

NOA Michelle Turner – BEESC  
907-563-0013 (mturner@beesc.com)  
Cooler receipt & temp

COE Contract #:04-036

040098

[illegible]

SGS

## SAMPLE RECEIPT FORM

SGS WO#:

1055480



Yes No NA

☐ ☒ ☐ Are samples **RUSH**, priority, or w/n 72 hrs. of hold time?  
☐ ☒ ☐ If yes have you done e-mail notification?  
☐ ☒ ☐ Are samples *within* 24 hrs. of hold time or due date?  
☐ ☒ ☐ If yes, have you *spoken with* Supervisor?  
☐ ☒ ☐ Archiving bottles— if req., are they properly marked?  
☐ ☒ ☐ Are there any **problems**? PM Notified? \_\_\_\_\_  
☐ ☒ ☐ Were samples preserved correctly and pH verified? \_\_\_\_\_

☐ ☒ ☐ If this is for PWS, provide **PWSID**. \_\_\_\_\_  
☐ ☒ ☐ Will courier charges apply?  
☐ ☒ ☐ Method of payment? \_\_\_\_\_  
☒ ☐ ☐ Data package required? (Level: 1 / 2 / 3 / 4 ) \_\_\_\_\_  
                     Notes: \_\_\_\_\_  
☒ ☐ ☐ Is this a DoD project? (USACE, Navy, AFCEE) \_\_\_\_\_

Due Date: 9-8-05Received Date: 8-24-05Received Time: 1456Is date/time conversion necessary? N

# of hours to AK Local Time: \_\_\_\_\_

Thermometer ID: SD

Cooler ID	Temp Blank	Cooler Temp
<u>1</u>	<u>4-8</u> °C	<u>8.7</u> °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C
_____	_____ °C	_____ °C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client

Alert Courier / UPS / FedEx / USPS /

AA Goldstreak / NAC / ERA / PenAir / Carlie

Lynden / SGS / Other: \_\_\_\_\_

Airbill # \_\_\_\_\_

Additional Sample Remarks: (*✓if applicable*)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required?

Foreign Soil?

***This section must be filled out for DoD projects (USACE, Navy, AFCEE)***

Yes No

☐ ☒ Is received temperature  $4 \pm 2^\circ\text{C}$ ?  
                     Exceptions: C=8.7                      Samples/Analyses Affected: \_\_\_\_\_

☒ Rad Screen performed? Result: \_\_\_\_\_  
☒ Was there an airbill? (Note # above in the right hand column)

☒ HC Was cooler sealed with custody seals?  
                     # / where: \_\_\_\_\_

☐ NA Were seal(s) intact upon arrival?

☒ Was there a COC with cooler?

☒ Was COC sealed in plastic bag & taped inside lid of cooler?

☒ Was the COC filled out properly?

☒ Did the COC indicate COE / AFCEE / Navy project?

☒ Did the COC and samples correspond?

☒ Were all sample packed to prevent breakage?

                    Packing material: BCS

☒ Were all samples unbroken and clearly labeled?

☒ Were all samples sealed in separate plastic bags?

☐ NA Were all VOCs free of headspace and/or MeOH preserved?

☒ Were correct container / sample sizes submitted?

☒ Is sample condition good?

☒ Was copy of CoC, SRF, and custody seals given to PM to fax?

***This section must be filled if problems are found.***

Yes No

Was client notified of problems?

Individual contacted:

Via: Phone / Fax / Email (*circle one*)

Date/Time:

Reason for contact:

Change Order Required?

SGS Contact:

Notes:

Completed by (sign):

(print):

Login proof (check one):

waived

☒ required

performed by:

[illegible]

### Bottle Totals

18

Completed by:

Date: 8-24-05





# Laboratory Analysis Report

200 W. Potter Drive  
Anchorage, AK 99518-1605  
Tel: (907) 562-2343  
Fax: (907) 561-5301  
Web: <http://www.us.sgs.com>

Michelle Turner  
Bristol Environmental  
111 W. 16th Ave. Suite 301  
Anchorage, AK 99501

---

<b>Work Order:</b>	1055514	
	NE Cape	<b>Released by:</b>
<b>Client:</b>	Bristol Environmental	
<b>Report Date:</b>	September 19, 2005	

---

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Control Manual that outlines this program is available at your request. The laboratory ADEC certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro).

The laboratory NELAC certification number is 001327.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS Quality Assurance Program Plan and the National Environmental Laboratory Accreditation Program.

If you have any questions regarding this report or if we can be of any other assistance, please call your SGS Project Manager at (907) 562-2343.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.



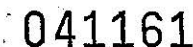
SGS Ref.# 1055514001  
Client Name Bristol Environmental  
Project Name/# NE Cape  
Client Sample ID 05NECAFM107  
Matrix Other Solids (Wet Weight)

All Dates/Times are Alaska Standard Time  
Printed Date/Time 09/19/2005 16:34  
Collected Date/Time 08/21/2005 8:20  
Received Date/Time 08/25/2005 15:20  
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<b><u>Characterization</u></b>									
Aqueous Phase, Total	0.0		%	TCLP	A			08/25/05	CRH
Oil Phase, Total	0.0		%	TCLP	A			08/25/05	CRH
Solid Phase, Total	100		%	TCLP	A			08/25/05	CRH
<b><u>TCLP Metals</u></b>									
Arsenic	0.500 U	0.500	mg/L	SW6010B TCLP	A	(<=5)	09/06/05	09/16/05	PJH
Barium	1.05	0.100	mg/L	SW6010B TCLP	A	(<=100)	09/06/05	09/16/05	PJH
Cadmium	0.0257 J	0.0500	mg/L	SW6010B TCLP	A	(<=1)	09/06/05	09/16/05	PJH
Chromium	0.200 U	0.200	mg/L	SW6010B TCLP	A	(<=5)	09/06/05	09/16/05	PJH
Lead	50.7	* 0.500	mg/L	SW6010B TCLP	A	(<=5)	09/06/05	09/16/05	PJH
Selenium	1.00 U	1.00	mg/L	SW6010B TCLP	A	(<=1)	09/06/05	09/16/05	PJH
Silver	0.200 U	0.200	mg/L	SW6010B TCLP	A	(<=5)	09/06/05	09/16/05	PJH
Mercury by Cold Vapor	2.00 U	2.00	ug/L	SW7470A TCLP	A	(<=200)	09/06/05	09/08/05	ESB





White - Retained by Lab  
Yellow - Returned with Report

## SAMPLE RECEIPT FORM

SGS WO#:



Yes No NA

☒ Are samples **RUSH**, priority, or w/n 72 hrs. of hold time?  
 If yes have you done e-mail notification?  
☒ Are samples **within 24 hrs.** of hold time or due date?  
 If yes, have you *spoken with* Supervisor?  
☒ Archiving bottles— if req., are they properly marked?  
☒ Are there any **problems**? PM Notified?  
☒ Were samples preserved correctly and pH verified?

☒ If this is for PWS, provide **PWSID**.  
☒ Will courier charges apply?  
 Method of payment?  
☒ Data package required? (Level: 1 / 2 / 3 / 4)  
 Notes:  
☒ Is this a DoD project? (USACE, Navy, AFCEE)

Due Date: 9-9-05

Received Date: 8/25/05

Received Time: 1520

Is date/time conversion necessary? NO

# of hours to AK Local Time:

Thermometer ID:

Cooler ID	Temp Blank	Cooler Temp
ambient	°C	°C
	°C	°C
	°C	°C
	°C	°C
	°C	°C

\*Temperature readings include thermometer correction factors

Delivery method (circle all that apply): Client

Alert Courier / UPS / FedEx / USPS /

AA Goldstream / NAC / ERA / PenAir / Carlife

Lynden / SGS / Other:

Airbill #

Additional Sample Remarks: (✓if applicable)

Extra Sample Volume?

Limited Sample Volume?

Field preserved for volatiles?

Field-filtered for dissolved?

Lab-filtered for dissolved?

Ref Lab required?

Foreign Soil?

**This section must be filled out for DoD projects (USACE, Navy, AFCEE)**

Yes No

Is received temperature 4 ± 2°C?

Exceptions:

Samples/Analyses Affected:

Rad Screen performed? Result:

Was there an airbill? (Note # above in the right hand column)

Was cooler sealed with custody seals?

# / where: NO Cooler

Were seal(s) intact upon arrival?

Was there a COC with cooler?

Was COC sealed in plastic bag &amp; taped inside lid of cooler?

Was the COC filled out properly?

Did the COC indicate COE / AFCEE / Navy project?

Did the COC and samples correspond?

Were all sample packed to prevent breakage?

Packing material:

Were all samples unbroken and clearly labeled?

Were all samples sealed in separate plastic bags?

Were all VOCs free of headspace and/or MeOH preserved?

Were correct container / sample sizes submitted?

Is sample condition good?

Was copy of CoC, SRF, and custody seals given to PM to fax?

**This section must be filled if problems are found.**

Yes No

Was client notified of problems?

Individual contacted:

Via Phone / Fax / Email (circle one)

Date/Time:

Reason for contact:

Change Order Required?

SGS Contact:

Notes:

Completed by (sign): Jessica Hamilton (print): Jessica Hamilton

Login proof (check one): waived required performed by:

**SGS**

**SAMPLE RECEIPT FORM (page 2)**

SGS WO#:

1055514

[illegible]

Bottle Totals						1	
---------------	--	--	--	--	--	---	--

Completed by: Jessica Hamilton Date: 8/25/05

# SGS/CT&E Environmental Services

## TCLP SAMPLE CHARACTERIZATION

HSN#: 5514-1A Date: 8-25-05 Analyst: SP  
 Sample Vol. (mL): ~802 Container Volume (mL): 802  
 Top \_\_\_\_\_ % (xylene miscible) Description / Notes: \_\_\_\_\_  
 Middle \_\_\_\_\_ % (water miscible) Description / Notes: \_\_\_\_\_  
 Bottom 100 % (solids) Description / Notes: BK. Ash like material

### Percent Solids Determination:

Original Sample & Container weight (g):	_____	Solid % of sample:	_____
Empty Original Container weight (g):	_____	Liquid % of sample:	_____
Clean Container weight (g):	_____	Weight solids extracted (g):	_____
Original Sample weight (g):	_____	Extraction Fluid:	_____
Filter weight (g):	_____	Vol. Original Liquid Added Back (mL)	_____
Clean Container & Liquid weight (g):	_____	Liquid Volume (mL):	_____
Liquid weight (g):	_____		_____
Filter & Solid Sample weight (g):	_____		_____
Solid weight (g):	_____		_____

Notes: \_\_\_\_\_

HSN#: \_\_\_\_\_ Date: \_\_\_\_\_ Analyst: \_\_\_\_\_  
 Sample Volume (mL): \_\_\_\_\_ Container Volume (mL): \_\_\_\_\_  
 Top \_\_\_\_\_ % (xylene miscible) Description / Notes: \_\_\_\_\_  
 Middle \_\_\_\_\_ % (water miscible) Description / Notes: \_\_\_\_\_  
 Bottom \_\_\_\_\_ % (solids) Description / Notes: \_\_\_\_\_

### Percent Solids Determination:

Original Sample & Container weight (g):	_____	Solid % of sample:	_____
Empty Original Container weight (g):	_____	Liquid % of sample:	_____
Clean Container weight (g):	_____	Weight solids extracted (g):	_____
Original Sample weight (g):	_____	Extraction Fluid:	_____
Filter weight (g):	_____	Vol. Original Liquid Added Back (mL)	_____
Clean Container & Liquid weight (g):	_____	Liquid Volume (mL):	_____
Liquid weight (g):	_____		_____
Filter & Solid Sample weight (g):	_____		_____
Solid weight (g):	_____		_____

Notes: \_\_\_\_\_

## **APPENDIX H**

### **Permits and Regulatory Notifications**

## **Finding of No Significant Impact**

## **FINDING OF NO SIGNIFICANT IMPACT**

In accordance with the National Environmental Policy Act of 1969, as amended, the U.S. Army Corps of Engineers, Alaska District, has assessed the environmental impacts of the following action:

White Alice Site Removal Action  
Northeast Cape  
St. Lawrence Island, Alaska  
Defense Environmental Restoration Program  
Formerly Used Defense Site

The U.S. Army Corps of Engineers will conduct a removal action, to include building demolition and debris removal (BDDR) and containerized hazardous and toxic waste (ConHTW), at and around the Northeast Cape White Alice site on St. Lawrence Island, Alaska. This removal action will correct unsafe and potentially hazardous conditions. This removal action is being performed under authority of the Defense Environmental Restoration Program, Formerly Used Defense Sites (DERP-FUDS).

The removal action as proposed includes (1) removal of containerized hazardous and toxic waste, (2) removal of storage tanks, (3) removal of inherently hazardous buildings and structures, including pole lines and wire, (4) incidental asbestos abatement, and (5) removal of septic systems. Access to the site entails maintaining a temporary barge landing facility by discharging clean gravel in navigable waters of the U.S. and upgrading and repairing existing roads. Various alternatives for conducting the proposed action were identified and evaluated to include the no-action alternative, onsite versus offsite disposal, and disposal versus recycling of scrap metal.

Based on an evaluation of approach alternatives, the proposed action includes offsite transportation and disposal of demolition debris and waste items. Scrap metal will be disposed offsite, to include recycling of unpainted metal items to the extent practicable. Petroleum-contaminated soil that is excavated incidental to the removal action activities will remain at the site to await remedial action under the ongoing Remedial Investigation/Feasibility Study (RI/FS) program; excavated soil will be placed back into the excavations and capped with clean fill to prevent exposure. If feasible, unpainted, non-asbestos containing material (ACM) combustible items will be burned onsite to reduce mass and volume of debris that would otherwise be transported offsite and placed in a landfill. Painted items, however, will not be burned due to the anticipated presence of lead and poly-chlorinated biphenyls (PCBs) in the paint. Non-ACM demolition debris will be allowed by the Government to undergo an onsite crushing/grinding operation to reduce the volume of the material prior to transport.

Impacts include the disturbance of vegetation, to include wetlands, to access work areas associated with building demolition and the removal of debris and contamination. Access to the sites will require crossing a number of intermittent streams with heavy equipment. Fill materials will be discharged into waters of the U.S., to include wetlands, for the repair and maintenance of the barge landing facility, to backfill excavations, and

for stream crossings. Impacts to wetlands and other waters of the U.S. will be minimized to the extent practicable.

Mitigation measures incorporated into the project include (1) developing a storm water pollution prevention plan that will include measures to control the potential impacts of soil disturbance; (2) using low tire pressure vehicles in wetland and tundra areas; (3) backfilling, contouring, and seeding excavated areas that previously supported vegetation; (4) not disturbing or removing the raven's nest in the tower when in use; and (5) filtering and/or treating any construction related wastewater prior to its discharge.

The project will have no affect on threatened or endangered species or their critical habitat. The State Historic Preservation Officer (SHPO) has determined that the cleanup of the site will constitute an adverse effect to the White Alice Communication System. As such, a Memorandum of Agreement between the Corps and the SHPO was prepared and signed in July 1999 that describes mitigation measures, which are being implemented.

This work is consistent with the Bering Straits Coastal Management Standards to the extent practicable. The accompanying combined engineering evaluation and cost analysis (EE/CA) and environmental assessment (EA) supports the conclusion that this project will not constitute a major Federal action significantly affecting the quality of the human environment. Therefore, an environmental impact statement is not necessary for the removal action at the Northeast Cape White Alice Site.



Steven T. Perrenot  
Colonel, Corps of Engineers  
District Engineer

19 JUN 2002

Date



## **Notice of Intent**



# U.S. Environmental Protection Agency

## National Pollutant Discharge Elimination System (NPDES)

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Construction Activities  
-2003 Construction  
General Permit

Industrial Activity  
-Multi-Sector General  
Permit

Municipal MS4s  
-Large & Medium  
-Small

Stormwater Outreach  
Materials

Phase I & Phase II  
-Menu of BMPs  
-Urbanized Area Maps

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[About NPDES](#)

## NOI Application Detail

### Notice of Intent (NOI) for Stormwater Discharges Associated with Construction Activity Under a NPDES Permit

NOI Submitted Date: February 23, 2005	Status: Terminated
	Date Discharge Active: March 02, 2005
<b>I. Permit Number</b>	
General Permit Number: AKR100000	
Tracking Number for this Project: AKR10BF40	
<b>II. Operator Information</b>	
Name: BRISTOL ENVIRONMENTAL & ENGIN.	
Street: 2000 W. INT'L AIRPORT RD. #C-1	
City: ANCHORAGE	State: Zip Code: 99502-1117
Phone: 907-563-0013	
<b>III. Project/Site Information</b>	
Project/Site Name: 25037	
Project Street/Location: NORTHEAST CAPE, ST. LAWRENCE ISLAND	
City: NOME	State: Zip Code: 99762
County or similar government subdivision: Nome	
Latitude: 63.333333	Longitude: 168.966666
Project Located in Indian country? No	Territory:
Estimated Start Date: June 15, 2005	Estimated Completion Date: September 30, 2005
Estimated Area to be Disturbed (to the nearest quarter acre): 4500	
<b>IV. SWPPP Information</b>	
SWPPP Contact Name: STEVE JOHNSON	
Location of SWPPP for viewing: Address in Section III	
Email: SJOHNSON@BEESC.COM	
<b>V. Discharge Information</b>	
Receiving Water: WETLANDS, KITNAGAK BAY	
Consistent with TMDL: Yes	
<b>IV. Endangered Species Information</b>	
I have satisfied permit eligibility with regard to protection of endangered species through the indicated section of Part I.B.3.e(2) of the permit under criterion A.	

<b>VII. NOI Certification Information</b>	
Certified By: CHARLES L.CROLEY	Signed?: Date: February 23, Yes 2005
Postmark Date: February 23, 2005	
<b>VIII. NOT Information</b>	
Date Terminated: October 11, 2005	Termination Reason: Final stabilization has been achieved on all portions of the site for which you are responsible.
Terminated By: MR. CHARLES L. CROLEY, NONE	
Phone: 907-743-9399	

[Back to Search Menu](#)

## **Notice of Termination**

NPDES  
Form



United States Environmental Protection Agency  
Washington, DC 20460

**Notice of Termination (NOT) of Coverage Under an NPDES General Permit for Storm Water Discharges Associated with Construction Activity**

Submission of this Notice of Termination constitutes notice that the party identified in Section II of this form is no longer authorized to discharge storm water associated with construction activity under the NPDES program from the site identified in Section III of this form. All necessary information must be included on this form. Refer to the instructions at the end of this form.

**I. Permit Information**

NPDES Storm Water General Permit Tracking Number: AKR10BF40

Reason for Termination (Check only one):

☒ Final stabilization has been achieved on all portions of the site for which you are responsible.

Another operator has assumed control, according to Appendix G, Section 11.C of the CGP, over all areas of the site that have not been finally stabilized.

Coverage under an alternative NPDES permit has been obtained.

For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.

**II. Operator Information**

Name: BRISTOL ENVIRONMENTAL & ENGIN.

IRS Employer Identification Number (EIN): 92 - 0148722

**Mailing Address:**

Street: 2000 W. INT'L AIRPORT RD. #C-1

City: ANCHORAGE State: AK Zip Code: 99502 - 1117

Phone: 907 - 563 - 0013 Fax (optional): 907 - 563 - 6713

E-mail (optional): CLCROLEY@BEESC.COM

**III. Project/Site Information**

Project/Site Name: 25037

Project Street/Location: NORTHEAST CAPE, ST. LAWRENCE IS

City: NOME State: AK Zip Code: 99762 -

County or similar government subdivision: Nome

**IV. Certification Information**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: MR. CHARLES L. CROLEY. NONE

Print Title: SENIOR ENGINEERING TECH

Signature: MR. CHARLES L. CROLEY. NONE

Date: 2005-02-23 00:00:00.0

**Alaska Coastal Management Program  
Final Consistency Determination**

# STATE OF ALASKA

## OFFICE OF THE GOVERNOR

TONY KNOWLES, GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET  
DIVISION OF GOVERNMENTAL COORDINATION

☒ SOUTH CENTRAL REGIONAL OFFICE  
550 W. 7TH AVENUE, SUITE 1660  
ANCHORAGE, ALASKA 99501  
PH: (907) 269-7470/FAX: (907) 269-3981

☐ CENTRAL OFFICE  
P.O. BOX 110030  
JUNEAU, ALASKA 99811-0030  
PH: (907) 465-3562/FAX: (907) 465-3075

☐ PIPELINE COORDINATOR'S OFFICE  
411 WEST 4TH AVENUE, SUITE 2C  
ANCHORAGE, ALASKA 99501-2343  
PH: (907) 271-4317/FAX: (907) 272-3829

May 7, 2002

Mr. William Abadie  
U.S. Army Corps of Engineers, AK District  
CEPOA-EN-CW-ER  
P.O. Box 898  
Anchorage, AK 99506-0898

Dear Mr. Abadie:

SUBJECT: Northeast Cape White Alice Site -- Removal Action  
STATE I.D. NO. AK 0203-17AA  
FINAL CONSISTENCY DETERMINATION

The Division of Governmental Coordination (DGC) is coordinating the State's review of the Corps of Engineers' (COE) proposed project for consistency with the Alaska Coastal Management Program (ACMP) and has developed this final consistency determination based on reviewers' comments.

### Scope of Project Reviewed

The proposed project is the removal of containerized hazardous and toxic waste, removal of storage tanks, incidental asbestos abatement, removal of existing buildings and structures, including pole lines and wire, and removal of existing septic systems. An existing barge landing site (ADL 416321) will be used for the project. Demolition debris and waste items will be disposed of or recycled off-site. Petroleum contaminated soil will remain on site to await remedial action under the ongoing Remedial Investigation/Feasibility Study program. Excavated soil will be placed back into the excavations and capped with clean fill to prevent exposure. If feasible, unpainted, non-asbestos containing material (ACM) combustible items will be burned onsite. Painted items will not be burned due to the presence of lead and PCBs in the paint. Non-ACM demolition debris will undergo an onsite crushing/grinding operation to reduce the volume of the material prior to transport. *Access to the sites will require the crossing of a number of intermittent streams with heavy equipment. Fill material will be discharged into waters of the U.S., including wetlands, for the repair and maintenance of the barge landing facility, to backfill excavations, and for stream crossings. Four stream crossings will be located at the Quangeghsaq River, these locations will be at the sites of existing polelines that cross the Quangeghsaq River. At each location the contractor will cross the stream a number of times*

***using amphibious all-terrain vehicles such as an Argo or Hydro Traxx, or an airboat. No barrier to fish passage will be created by the crossings. The Suqitughneq River will also need to be crossed to access the airstrip. A timber bridge currently goes across the stream, however it may be necessary to stabilize the bridge abutments by placing approximately 15 cy of rip-rap per year to maintain the abutments. If necessary rip-rap would be replaced in June or early July, using an excavator. The excavator itself would not enter the stream during the course of the work. All rip rap placed would be free of silts and fine sands and no creosote or pentachlorophenol treated wood timbers or planks would be placed in waters. The location is T. 25S, R. 54W and KRM.***

This final consistency determination applies to the following federal and State authorizations per 6 AAC 50:

U.S. Army Corps of Engineers  
Section 404 or 10

Alaska Department of Environmental Conservation (DEC)  
Certificate of Reasonable Assurance (401)

Alaska Department of Fish and Game (DFG)  
Fish Habitat Permit

Alaska Department of Natural Resources (DNR)  
Tideland Permit No. ADL 416321

No State or federal agency may issue an authorization before DGC issues this final consistency determination. But, a consistency determination does not obligate any agency to issue authorization under its own statutory authorities, nor does it supersede its statutory obligations. Authorities outside the ACMP may result in additional permit/lease conditions not contained in the consistency determination. Most State agencies should issue permits within five days after DGC issues this final consistency determination. However, State law does not require DNR to issue authorizations involving disposal of State interest within five days, so it may take considerably longer for you to receive such permits. You may not use any State land without DNR authorization.

The Alaska Departments of Environmental Conservation, Fish and Game, and Natural Resources and the Bering Straits coastal resource service area have reviewed your proposed project. Based on that review, the State concurs with your determination that this proposed project is consistent with the ACMP to the maximum extent practicable because you have adopted the following alternative measures into your project proposal.



1. Methods shall be implemented to filter or settle out suspended sediments from all construction related wastewater, including that resulting from dewatering activities, prior to its direct or indirect discharge into any natural body of water. *(401 Certification)*
2. Materials such as sorbent pads and booms shall be available on-site, and shall be used to contain and cleanup any petroleum product spilled as a result of this activity. *(401 Certification)*
3. Culvert installations and removals shall not occur within the flowing waters of the stream. Techniques such as stream diversion, dam and pump, or stream fluming shall be incorporated into the installation/removal activity to insure that silt laden water is not carried into sensitive fish habitat. *(401 Certification)*

***Rationale:*** *These stipulations are necessary to protect water quality, per 6 AAC 80.140 "Air, Land, and Water Quality".*

4. Banks shall not be altered or disturbed in any way. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion. *(Fish Habitat Permit -- Suqitughneq River)*
5. "End-dumping" riprap is prohibited. Riprap shall be strategically placed to prevent excess rock in the streambed. *(Fish Habitat Permit -- Suqitughneq River)*
6. Equipment crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow. *(Fish Habitat Permit -- Quangeghsaq River)*
7. Equipment crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks. *(Fish Habitat Permit -- Quangeghsaq River)*
8. Banks shall not be altered or disturbed in any way to facilitate crossings. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion. *(Fish Habitat Permit -- Quangeghsaq River)*
9. If timber/poles are placed in and adjacent to the stream to create a crossing site, they must be placed in such a way that free passage of fish is assured. In addition, all material shall be completely removed from the streambed and banks at the end of each work season. If needed, the streambed shall be recontoured to assure that "trenches" are not left that will trap fish at low-water levels. *(Fish Habitat Permit -- Quangeghsaq River)*
10. Vehicle crossings shall be limited to only what is necessary to accomplish work. *(Fish Habitat Permit -- Quangeghsaq River)*

11. No damming or diversions are permitted. (*Fish Habitat Permit -- Quangeghsaq River*)

Advisories.

- DEC will also carry the following stipulation, not necessary for consistency, on their 401 Certification -- "Design plans for camps' sewage and water systems shall be approved by the Alaska Department of Environmental Conservation, prior to installation of the same."

Your consistency determination may include reference to specific laws and regulations, but this in no way precludes the COE's, or its subcontractor's, responsibility to comply with all other applicable State and federal laws and regulations.

This consistency determination is ONLY for the project as described. If the COE or its subcontractors propose any changes to the approved project, including its intended use, prior to or during its siting, construction, or operation, the COE must contact this office immediately to determine if further review and approval of the revised project is necessary. Changes may require amendments to the State approvals listed in this consistency determination or require additional authorizations.

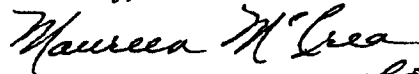
This final consistency determination represents a consensus reached between you as the project applicant and the reviewing agencies listed above, regarding the conditions necessary to ensure the proposed project is consistent with the ACMP. *We are informing the federal agency responsible for approving a federal authorization for your project that your original proposal has been modified subject to the alternative measures in this consistency determination.*

This final consistency determination is a final administrative decision for purposes of Alaska Appellate Rules 601-612. Any appeal from this decision to the superior court must be made within 30 days of the date of this determination.

If the proposed activities reveal cultural or paleontological resources, please stop any work that would disturb such resources and immediately contact the State Historic Preservation Office (907-269-8720) and the U.S. Army Corps of Engineers (907- 753-2631) so that consultation per section 106 of the National Historic Preservation Act may proceed.

If you have any questions regarding this process, please contact me at 907-269-7475 or email [jennifer\\_wing@gov.state.ak.us](mailto:jennifer_wing@gov.state.ak.us).

Sincerely,

  
Jennifer Nolan Wing *for*  
Project Review Coordinator

cc: Stefanie Ludwig, DNR/SHPO, Anchorage  
Tim Rumpfelt, DEC, Anchorage  
Susan Malen, DNR, Fairbanks  
Al Ott, DFG, Fairbanks  
Terry Richards, DOT/PF, Fairbanks  
Chuck Degnan, BSCRSA, Unalakleet  
Tom Sparks, Bering Straits Native Corporation, Nome  
Loretta Bullard, Kawerak, Nome  
Gambell City Council, Gambell  
Gambell IRA Council, Gambell  
Sivuqaq Corporation, Gambell  
Sitnasuak Native Corporation, Nome  
Savoonga City Council, Savoonga  
Savoonga IRA Council, Savoonga  
Savoonga Native Corporation, Savoonga  
Joan Darnell, NPS, Anchorage

## **ADEC Certificate of Reasonable Assurance**

# STATE OF ALASKA

## DEPT. OF ENVIRONMENTAL CONSERVATION DIVISION OF AIR AND WATER QUALITY NON-POINT SOURCE WATER POLLUTION CONTROL

**TONY KNOWLES, GOVERNOR**

555 Cordova Street  
Anchorage, AK 99501-2617  
PHONE: (907) 269-7564  
FAX: (907) 269-7508  
<http://www.state.ak.us/dec/>

**Certified Return Receipt  
7099 3400 0016 8434 4206**

May 9, 2002

William Abadie  
US Army Corps of Engineers  
CEPOA-EN-CW-ER  
PO Box 898  
Anchorage, AK 99506

Subject: St. Lawrence Island, White Alice Site, Reference No. ER-02-10  
State I.D. No. AK 0203-17AA

Dear Mr. Abadie:

In accordance with Section 401 of the Federal Clean Water Act of 1977 and provisions of the Alaska Water Quality Standards, the Department of Environmental Conservation is issuing the enclosed Certificate of Reasonable Assurance for the proposed placement of fill within wetlands during remediation work at the Northeast Cape White Alice Site, St. Lawrence Island, Alaska.

This certification is one of the approvals required as part of a coastal management consistency determination issued by the Division of Governmental Coordination under AAC 50.070.

Department of Environmental Conservation regulations provide that any person who disagrees with any portion of this action may request an adjudicatory hearing in accordance with 18 AAC 15.200-920. This request should be mailed to the Commissioner of the Alaska Department of Environmental Conservation, 410 Willoughby Avenue, Suite 105, Juneau, Alaska 99801-1795. Please also send a copy of the request for hearing to the undersigned. Failure to submit a hearing request within thirty days of receipt of this letter constitutes a waiver of that person's right to judicial review of this action.

By copy of this letter we are advising the Division of Governmental Coordination of our actions and enclosing a copy of the certification for their use.

Sincerely,



Tim Rumpfelt  
Environmental Specialist

Enclosure

cc: (with encl.)

Jennifer Nolan Wing, DGC Anchorage  
F&WS

EPA, AK. Operations  
ACMP, DNR/DOL

*Clean Air, Clean Water*

**STATE OF ALASKA**  
**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**CERTIFICATE OF REASONABLE ASSURANCE**

A Certificate of Reasonable Assurance, in accordance with Section 401 of the federal Clean Water Act and the Alaska Water Quality Standards, is issued to the US Army Corps of Engineers, Alaska District, CEPOA-EN-CW-ER, PO Box 898, Anchorage, Alaska 99506, for the proposed placement of fill into wetlands during a remediation action. An existing barge landing will be repaired. Stream crossings will be made at eleven different locations, some of which will require repair and maintenance including the installation of culverts and placement of fill materials. Debris holes and associated excavations located in wetlands will also be backfilled.

The proposed activity is located T25S, R54W, Kateel River Meridian, Northeast Cape, St. Lawrence Island, Alaska.


Public notice of the application for this certification was given as required by 18 AAC 15.180.

Water Quality Certification is required under Section 401 because the proposed activity will be authorized by a Corps of Engineers permit identified as ER 02-10, and a discharge may result from the proposed activity.

Having reviewed the application and comments received in response to the public notice, the Alaska Department of Environmental Conservation certifies that there is reasonable assurance that the proposed activity, as well as any discharge which may result, will comply with applicable provisions of Section 401 of the Clean Water Act, the Alaska Water Quality Standards, 18 AAC 70, and the Standards of the Alaska Coastal Management Program, 6 AAC 80, provided that the following stipulations are adhered to. These stipulations were adopted pursuant to 6 AAC 50 (Project Consistency with the Alaska Coastal Management Program) and are necessary to ensure that your project is consistent with the ACMP:

1. Methods shall be implemented to filter or settle out suspended sediments from all construction related wastewater, including that resulting from dewatering activities, prior to its direct or indirect discharge into any natural body of water.
2. Materials such as sorbent pads and booms shall be available on-site, and shall be used to contain and cleanup any petroleum product spilled as a result of this activity.
3. Culvert installations and removals shall not occur within the flowing waters of the stream. Techniques such as stream diversion, dam and pump, or stream fluming shall be incorporated into the installation/removal activity to insure that silt laden water is not carried into sensitive fish habitat.
4. Design plans for camps' sewage and water systems shall be approved by the Alaska Department of Environmental Conservation, prior to installation of the same.

Date 8/9/02

  
\_\_\_\_\_  
Tim Rumfelt  
Environmental Specialist

**ADF&G Fish Habitat Permit**  
**No. FG02-III-072**

113

# STATE OF ALASKA

## DEPARTMENT OF FISH AND GAME

### HABITAT AND RESTORATION DIVISION

TONY KNOWLES, GOVERNOR

1300 COLLEGE RD.  
FAIRBANKS, AK 97701  
PHONE: (907) 459-7289  
FAX: (907) 456-3091

**RECEIVED**

NOV 04 2002

BEESC

October 28, 2002

Mr. Steve Johnson, Project Manager  
Bristol Environmental and  
Engineering Services Corporation  
2000 W. International Airport Road, #C-1  
Anchorage, AK 99502-1117

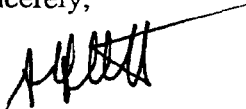
RE: Northeast Cape White Alice Site Removal Project

The Alaska Department of Fish and Game (ADF&G) is in receipt of your October 25, 2002 letter requesting a determination whether ADF&G Fish Habitat Permits are required for nine additional stream crossings and five additional culverts to be installed in intermittent runoff drainages. ADF&G Fish Habitat Permit FG02-III-0072 previously was issued for proposed bridge repair work in the Suqitughneg River (Stream Crossing #5). Fish Habitat Permit FG02-III-0073 was issued for four equipment stream crossings of the Quangeghsaq River (Stream Crossing #11).

Based on our review of the site descriptions and proposed scope of work contained in your request, coupled with known fish distribution information, we have concluded that the nine additional stream crossings and five culverts are not likely located in waterbodies supporting resident or anadromous fish species. Therefore, a Fish Habitat Permit will not be required for any of the additional locations.

Please contact us if further changes in project scope occur. Your point of contact is Mr. Mac McLean who may be reached at 907-459-7281.

Sincerely,



Alvin G. Ott, Regional Supervisor  
Habitat and Restoration Division



# STATE OF ALASKA

TONY KNOWLES, GOVERNOR

## DEPARTMENT OF FISH AND GAME

### HABITAT & RESTORATION DIVISION

1300 COLLEGE ROAD  
FAIRBANKS, ALASKA 99701-1599  
PHONE: (907) 459-7289  
FAX: (907) 456-3091

## FISH HABITAT PERMIT FG02-III-0072

ISSUED: May 20, 2002  
EXPIRES: December 31, 2005

Mr. William Abadie  
U.S. Army Corps of Engineers, AK District  
CEPOA-EN-CW-ER  
P.O. Box 898  
Anchorage, AK 99506-0898

Dear Mr. Abadie:

RE: Bridge Repair, Northeast Cape White Alice Site Removal Action (St. Lawrence Island); T25S, R54W, Suqitughneq River; SID AK0203-17AA

Pursuant to AS 16.05.840, the Alaska Department of Fish and Game (ADF&G) has reviewed your proposal to place riprap in the Suqitughneq River (on St. Lawrence Island) to protect the bridge abutments. ADF&G received a description of the proposed project on March 19, 2002 and a more detailed description via email on April 3, 2002.

Your proposed project entails placing approximately 15 cubic yards of riprap at the base of the abutments of the bridge crossing the Suqitughneq River each work season (two work seasons are anticipated). An excavator, operating from the deck of the bridge, will place the riprap.

The Suqitughneq River supports anadromous Dolly Varden (and possibly whitefish) and resident fish (e.g., Alaska blackfish) in the area of your proposed activity. Based upon our review of your plans, your proposed project should not obstruct the efficient passage and movement of fish.

In accordance with AS 16.05.840, project approval is hereby given subject to the following stipulations:

- (1) Banks shall not be altered or disturbed in any way. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.
- (2) "End-dumping" riprap is prohibited. Riprap shall be strategically placed to prevent excess rock in the streambed.

**The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G. Therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.**

This letter constitutes a permit issued under the authority of AS 16.05.840. This permit must be retained on site during construction. Please be advised that this approval does not relieve you of the responsibility of securing other permits; state, federal or local.

This permit provides reasonable notice from the commissioner that failure to meet its terms and conditions constitutes violation of AS 16.05.860; no separate notice under AS 16.05.860 is required before citation for violation of AS 16.05.840 can occur.

Pursuant to 6 AAC 80.010(b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Bering Straits Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect, if, and only if, the sole proximate cause of the injury is the department's negligence.

May 20, 2002

Sincerely,

Robert G. Bosworth, Deputy Commissioner



BY: Alvin G. Ott, Regional Supervisor  
Habitat and Restoration Division  
Alaska Department of Fish and Game

cc: Harry Bader, ADNR, Fairbanks  
Pete McGee, ADEC, Fairbanks  
Ann Rappoport, USFWS, Anchorage  
Jeanne Hanson, NMFS, Anchorage  
Don Kohler, ACOE, Anchorage  
Todd Machecek, AST-FWP, Nome  
Jennifer Wing, DGC, Anchorage  
Chuck Degnan, BSCRSA, Unalakleet

AGO:nji

**ADF&G Fish Habitat Permit**  
**No. FG02-III-073**

# STATE OF ALASKA

TONY KNOWLES, GOVERNOR

## DEPARTMENT OF FISH AND GAME

HABITAT & RESTORATION DIVISION

1300 COLLEGE ROAD  
FAIRBANKS, ALASKA 99701-1599  
PHONE: (907) 459-7289  
FAX: (907) 456-3091

### FISH HABITAT PERMIT FG02-III-0073

ISSUED: May 20, 2002  
EXPIRES: December 31, 2005

Mr. William Abadie  
U.S. Army Corps of Engineers, AK District  
CEPOA-EN-CW-ER  
P.O. Box 898  
Anchorage, AK 99506-0898

Dear Mr. Abadie:

RE: Equipment Stream Crossing, Northeast Cape White Alice Site Removal Action  
(St. Lawrence Island), T25S, R54W, Quangeghsaq River; SID AK 0203-17AA

Pursuant to AS 16.05.840, the Alaska Department of Fish and Game (ADF&G) has reviewed your proposal to make multiple crossings at multiple sites (four) across the Quangeghsaq River with amphibious all-terrain vehicles. Timbers or poles may need to be placed in and adjacent to the stream to create better crossing sites that prevent ATVs from getting stuck and reduce damage to vegetation. Access is needed to cut down and remove hundreds of poles from abandoned utility lines. ADF&G received a description of the proposed project on March 19, 2002 and a more detailed description via email on April 3, 2002.

The Quangeghsaq River supports anadromous Dolly Varden (and possibly whitefish) and resident fish (e.g., Alaska blackfish) in the area of your proposed activity. Based upon our review of your plans, your proposed project may obstruct the efficient passage and movement of fish.

In accordance with AS 16.05.840, project approval is hereby given subject to the following stipulations:

- (1) Equipment crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow.

Equipment crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks.

Banks shall not be altered or disturbed in any way to facilitate crossings. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.

- (2) If timber/poles are placed in and adjacent to the stream to create a crossing site, they must be placed in such a way that free passage of fish is assured. In addition, all material shall be completely removed from the streambed and banks at the end of each work season. If needed, the streambed shall be recontoured to assure that "trenches" are not left that will trap fish at low-water levels.
- (3) Vehicle crossings shall be limited to only what is necessary to accomplish work.
- (4) No damming or diversions are permitted.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G. Therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.840. This permit must be retained on site during construction. Please be advised that this approval does not relieve you of the responsibility of securing other permits, state, federal or local.

This permit provides reasonable notice from the commissioner that failure to meet its terms and conditions constitutes violation of AS 16.05.860; no separate notice under AS 16.05.860 is required before citation for violation of AS 16.05.840 can occur.

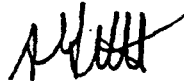
Pursuant to 6 AAC 80.010(b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Bering Straits Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect, if, and only if, the sole proximate cause of the injury is the department's negligence.

Sincerely,

Robert G. Bosworth, Deputy Commissioner



BY: Alvin G. Ott, Regional Supervisor  
Habitat and Restoration Division  
Alaska Department of Fish and Game

cc: Harry Bader, ADNR, Fairbanks  
Pete McGee, ADEC, Fairbanks  
Ann Rappoport, USFWS, Anchorage  
Jeanne Hanson, NMFS, Anchorage  
Don Kohler, ACOE, Anchorage  
Todd Machecek, AST-FWP, Nome  
Jennifer Wing, DGC, Anchorage  
Chuck Degnan, BSCRSA, Unalakleet

AGO:nji

**ADNR Tideland Permit  
No. ADL 416321**



STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF LAND

☐ Northern Region  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2740

☐ Southcentral Region  
PO Box 107005  
Anchorage, AK 99510-7005  
(907) 762-2270

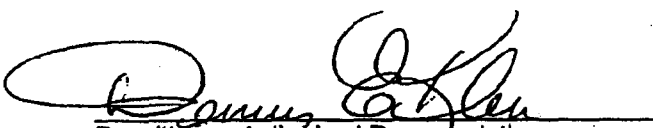
☐ Southeast Region  
400 Willoughby, #400  
Juneau, AK 99801  
(907) 465-3400

TIDELAND PERMIT  
11 AAC 62.720

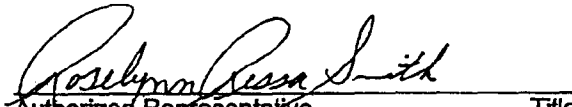
Permit No. ADL 416321  
DACA 85-9-99-76

1. Name of Permittee: U.S. Army Corps of Engineers, Alaska District
2. Address: P.O. Box 898, Anchorage, Alaska 99506
3. Legal Description: Township 25 South, Range 54 West, Section 1, Kateel River Meridian
4. This permit is issued for the period beginning June 28, 1999. It expires June 27, 2004.
5. This permit is issued for the purpose of landing barges in conjunction with cleanup of debris and contaminants from the Formerly Used Defense Site at Northeast Cape, St. Lawrence Island. It is also revocable for any breach of the following conditions:
  - a) This permit is subject to an annual use fee of N/A, which must be paid on or before N/A, of every year during the permit term. A late payment penalty the greater of either the fee specified in 11 AAC 05.010 or interest at the rate set by, AS 45.45.010(a) will be assessed on a past-due account until payment is received by the state.
  - b) A bond, cash deposit, certificate of deposit, or other form of security in the amount of N/A is required to cover the cost of site cleanup and restoration and any associated cleanup costs.
  - c) This permit may not be transferred or assigned to another individual or corporation.
  - d) This permit is issued for a specific use and development plan, which is made part of this permit. Use of the permitted area for purposes other than those specified constitutes a breach of this permit and may result in revocation.
  - e) The permittee shall observe all federal, state, and local laws and regulations applicable to the permitted area, including regulations for the protection of fish and wildlife, and shall keep the premises in a neat, orderly, and sanitary condition.
  - f) The permittee shall take all reasonable precautions to prevent water pollution, erosion, or sediment on or in the vicinity of the permitted area.
  - g) Authorized representatives of the State of Alaska shall at all times have the right to enter the permitted area, including the permittee's improvements, on official business.
  - h) ~~The permittee must indemnify the State of Alaska against and hold it harmless from any and all claims, demands, suits, loss, liability and expense for injury to or death of persons and damage to or loss of property arising out of or connected with the exercise of the privileges covered by this permit.~~
  - i) At the expiration of the permit, the permittee may apply in writing for a renewal. The permittee is advised to allow sufficient time for processing the application under then-applicable regulations.

- j) This permit does not convey an interest in state land and as such is revocable immediately, with or without cause. The unused portion of the use fee will be refunded, prorated on a monthly basis, if the permit is revoked without cause. The permittee is authorized to make exclusive use of the permittee's improvements, but is not authorized to preclude or restrict public access on and through the permitted area.
- k) Unless otherwise directed by the state, the permittee shall, within 30 days after termination of the permit, remove all improvements located on the permitted area. Following that removal, the permittee shall leave the permitted area in a safe and clean condition.
- l) The interests served by the public trust doctrine, specifically the right of the public to use navigable waterways and the land beneath them for navigation, commerce, fishing, hunting, protection of areas for ecological study, and other purposes, must be protected.
- m) Other special stipulations are listed on Attachment "A".

  
Permittee or Authorized Representative  
Chief, Real Estate Division  
U.S. Army Engineer District, Alaska

7/27/99  
Date

  
Authorized Representative  
Division of Land

6/28/99  
Date

## Attachment A

### 1. Authorized Officer.

a. The Authorized Officer for the Department of Natural Resources is the Northern Regional Manager or her designee. The Authorized Officer may be contacted at 3700 Airport Way, Fairbanks, Alaska 99709 or 907-451-2740.

b. The Authorized Officer reserves the right to modify these stipulations or use additional stipulations as deemed necessary.

### 2. Indemnification.

a. **Indemnification.** (Standard Stipulation #5(h) is replaced to read as follows: The permittor shall not be responsible for damages to property or injuries to persons which may arise from, or be incident to, the use and occupation of the permitted premises or arising out of activities of the permittee, its officers, agents, employees, representatives or contractors; or for any contamination caused by the permittee; or for damages to the property or injuries to the permittor's officers, agents, servants or employees, or others who may be on the permitted premises at their invitation or the invitation of any one of them, except for claims arising out of the negligence or willful misconduct of the permittor, its officers, agents, employees or invitees.

Any liability of the permittee for property damage, personal injury, or death shall be governed by the Federal Tort Claims Act (FTCA), 28 U.S.C. Sec 2671 et seq. Pursuant to the provisions of the FTCA, the permittee assumes responsibility for any negligent acts of its officers and employees, in the scope of employment, incident to this permit. Any requirement for the payment or obligation of funds by the permittee shall be subject to the availability of appropriated funds, and no provision herein shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. 1341.

By acceptance hereof and subject to the provisions of the Federal Tort Claims Act, 28 U.S.C. 2671, et Seq., the Permittee assumes full responsibility for the activities, equipment, and personnel incident to this permit.

3. **Valid Existing Rights.** This [authorization/assignment] is subject to all valid existing rights in and to the land under this [authorization/assignment]. The State of Alaska makes no representations or warranties whatsoever, either expressed or implied, as to the existence, number, or nature of such valid existing rights.

4. **Reservation of Rights.** The Division reserves the right to grant additional authorizations to third parties for compatible uses on or adjacent to the land under this authorization.

5. **Preference Right.** No preference right for use or conveyance of the land is granted or implied by this authorization.

6. **Alaska Historic Preservation Act.** The permittee shall consult the Alaska Heritage Resources Survey (907) 269-8721 so that known historic, archaeological and paleontological sites may be avoided.

The Alaska Historic Preservation Act (AS 41.35.200) prohibits the appropriation, excavation, removal, injury, or destruction of any state-owned historic, prehistoric (paleontological) or archaeological site without a permit from the commissioner. Should any sites be discovered during the course of field operations, activities that may damage the site will cease and the Office of History and Archaeology in the Division of Parks and Outdoor Recreation (907) 269-8721 and shall be notified immediately.

7. **Public Trust Doctrine.** The Public Trust Doctrine guarantees public access to, and the public right to use, navigable and public waters and the land beneath them for navigation, commerce, fishing,

7. **Public Trust Doctrine.** The Public Trust Doctrine guarantees public access to, and the public right to use, navigable and public waters and the land beneath them for navigation, commerce, fishing, and other purposes. This authorization is issued subject to the principles of the Public Trust Doctrine regarding navigable or public waters. The Division of Land reserves the right to grant other interests consistent with the Public Trust Doctrine.

8. **Alaska Coastal Management Program.** Pursuant to AS 46.40 and 6 AAC 50 and the Conclusive Consistency Determination #AK 990414AA dated June 28, 1999, the permittee shall comply with the following stipulation:

No hazardous materials (this term includes hazardous wastes), toxic substances, petroleum or petroleum products, as defined in State or federal regulations, shall be disposed of on the islands.

Rationale: To ensure that no adverse impacts to air, land, or water quality remain after the cleanup. Bering Straits CRSA Enforceable Policy C-4.3.

9. **Termination.** This permit does not convey an interest in state land.
10. **Assignment.** See Standard stipulation 5(c).
11. **Inspection.**
- a. Authorized representatives of the State of Alaska shall have reasonable access to the subject parcel for purposes of inspection.
  - b. The permittee may be charged fees under 11 AAC 05.010(a)(7)(M) for routine inspections of the subject parcel, inspections concerning non-compliance, and a final close-out inspection.
12. **Compliance with Governmental Requirements; Recovery of Costs.** Permittee shall, at its expense, comply with all applicable laws, regulations, rules and orders, and the requirements and stipulations included in this authorization. Permittee shall ensure compliance by its employees, agents, contractors, subcontractors, licensees, or invitees.
13. **Other Authorizations.** The issuance of this authorization does not alleviate the necessity of the permittee to obtain authorizations required by other agencies for this activity.
14. **Violations.** This authorization is revocable immediately upon violation of any of its terms, conditions, stipulations, nonpayment of fees, or upon failure to comply with any other applicable laws, statutes and regulations (federal and state). Should any unlawful discharge, leakage, spillage, emission, or pollution of any type occur due to permittee's, or its employees', agents', contractors', subcontractors', licensees', or invitees' act or omission, permittee, at its expense shall be obligated to clean the area to the reasonable satisfaction of the State of Alaska.

A permittee who is charged and convicted of any violation of state hunting, trapping or fishing laws and regulations may be subject to revocation of this permit.

15. **Completion Report.**
- a. A completion report shall be submitted within 30 days of termination of the authorized activities. The report shall contain the following information:
  - b. Failure to submit the required report may subject the permitted site to a final field inspection. The permittee shall be assessed a fee for this inspection per 11 AAC 05.010 (a)(7)(M).

16. **Public Access.**

- a. All operations must be conducted in a manner that will ensure minimum conflict with other users of the area. There shall be no interference with free public use of state lands and waters.
- b. Public access may not be restricted without prior approval of the Authorized Officer.

17. **Site Maintenance.** The area subject to this authorization shall be maintained in a neat, clean and safe condition, free of any solid waste, debris or litter.

18. **Notification.** The permittee shall immediately notify DNR and DEC by phone of any unauthorized discharge of oil to water, any discharge of hazardous substances (other than oil), and any discharge of oil greater than 55 gallons on land. All fires and explosions must also be reported.

The DNR 24 hour spill report number is (907) 451-2678; the Fax number is (907) 451-2751. The DEC spill report number is (800) 478-9300. DNR and DEC shall be supplied with all follow-up incident reports.

19. **Gravel Fill.** This permit does not allow the placement of gravel fill on the tidelands. If gravel fill is required for the loading of equipment and supplies, including gravel, the operation must cease until this permit is amended to allow the placement of gravel fill on the tidelands.

**Right-of-Entry for  
Environmental Assessment and Response**

**DEPARTMENT OF THE ARMY**  
**RIGHT-OF-ENTRY FOR**  
**ENVIRONMENTAL ASSESSMENT AND RESPONSE**

Saint Lawrence Island  
Project, Installation or Activity

No. DACA85-9-98-42  
Tract No., Address or Property I.D.

The undersigned, hereinafter called the "**Owner**", in consideration of the mutual benefits of the work described below, hereby grants to the **UNITED STATES OF AMERICA**, hereinafter called the "**Government**", a right-of-entry upon the following terms and conditions:

1. The Owner hereby grants to the Government an irrevocable right to enter in, on, over and across the land described herein, for a period not to exceed five years, beginning with the date of the signing of this instrument, and terminating with the earlier of the completion of the remediation or the filing of a notice of termination in the local land records by the representative of the United States in charge of the Saint Lawrence Island remediation project; for use by the United States, its representatives, agents, contractors, and assigns, as a work area for environmental investigation and response; including the right to store, move, and remove equipment and supplies; erect and remove temporary structures on the land; investigate and collect samples; excavate and remove ordnance and explosive waste, pollutants, hazardous substances, contaminated soils, containerized waste, and replace with uncontaminated soil; excavate and remove all storage tanks (above, at and below ground level), contents and appurtenant piping; demolish and dispose of former military structures and debris; construct, operate, maintain, alter, repair and remove groundwater monitoring wells, groundwater purification and injection systems, appurtenances thereto and other devices for the monitoring and treatment of contamination in soil, air and water; and perform any other such work which may be necessary and incident to the Government's use for the environmental investigation and response on said lands; subject to existing easements for public roads and highways, public utilities, railroads and pipelines; reserving, however, to the landowner(s), their heirs, executors, administrators, successors and assigns, all such right, title, interest and privilege as may be used and enjoyed without interfering with or abridging the rights and right-of-entry hereby acquired.

*Ende  
19 April*

2. The Owner also grants the right to enter and exit over and across any other lands of the Owner as necessary to use the described lands for the purposes listed above.

3. All tools, equipment, and other property taken upon or placed upon the land by the Government shall remain the property of the Government and may be removed by the Government at any time within a reasonable period after the expiration of this permit of right-of-entry.

Saint Lawrence Island, No. DACA85-9-98-42

4. Upon expiration or termination of this right-of-entry, the Government shall assure restoration of the ground contour, replace any pavement or other cover which was removed or damaged for this work, establish a groundcover of grass on areas not otherwise covered and reconnect any operating utility lines which were required to be disconnected or otherwise disrupted.


5. If any action of the Government's employees or agents in the exercise of this right-of-entry results in damage to the real property, the Government will, in its sole discretion, either repair such damage or make an appropriate settlement with the Owner. In no event shall such repair or settlement exceed the fair market value of the fee title to the real property at the time immediately preceding such damage. The Government's liability under this clause is subject to the availability of appropriations for such payment, and nothing contained in this agreement may be considered as implying that Congress will at a later date appropriate funds sufficient to meet any deficiencies. The provisions of this clause are without prejudice to any rights the Owner may have to make a claim under applicable laws for any damages other than those provided for herein.

6. The land affected by this right-of-entry is located in the State of Alaska and is described as follows:

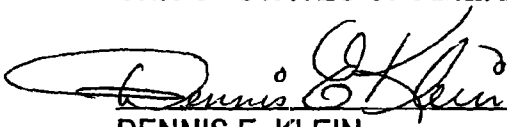
All lands on St. Lawrence Island, Alaska.

WITNESS MY HAND AND SEAL this 20th day of April, 1998.

**SIVUQAQ, INCORPORATED**

  
\_\_\_\_\_  
JOB KOONOOKA  
President  
Sivuqaq Incorporated

**UNITED STATES OF AMERICA**

  
\_\_\_\_\_  
DENNIS E. KLEIN  
Chief, Real Estate Division  
U.S. Army Engineer District, Alaska



## **Temporary Construction Camp Permits**

# STATE OF ALASKA

FRANK MURKOWSKI, GOVERNOR

## DEPARTMENT OF NATURAL RESOURCES

### OFFICE OF PROJECT MANAGEMENT & PERMITTING ALASKA COASTAL MANAGEMENT PROGRAM

✓ SOUTHCENTRAL REGIONAL OFFICE  
550 W. 7<sup>TH</sup> AVENUE, SUITE 1660  
ANCHORAGE, ALASKA 99501  
PH: (907) 269-7470/FAX: (907) 269-3981

□ CENTRAL OFFICE  
P.O. BOX 110030  
JUNEAU, ALASKA 99811-0030  
PH: (907) 465-3562/FAX: (907) 465-3075

□ PIPELINE COORDINATOR'S OFFICE  
411 WEST 4<sup>TH</sup> AVENUE, SUITE 2C  
ANCHORAGE, ALASKA 99501-2343  
PH: (907) 257-1351/FAX (907) 272-3829

May 1, 2003

Cindy W. Ellis, P.E.  
PO Box 110443  
Anchorage, AK 99511

SUBJECT: **REVIEW NOT REQUIRED**  
St. Lawrence Island Temporary Camp

Dear Ms. Ellis:

The Office of Project Management & Permitting has reviewed the Coastal Project Questionnaire and other pertinent information regarding the above referenced project.

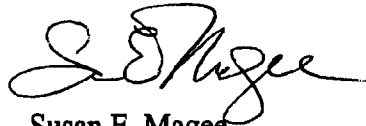
Your proposed project also requires a plan approval from the Alaska Department of Environmental Conservation and authorizations from the Alaska Departments of Natural Resources and Fish & Game. Your project does not require additional review for consistency with the ACMP, providing you also comply with the conditions listed in the enclosed General Concurrence (GC) #8. *If you are unable to comply with these conditions, contact this office immediately.*

*You are not relieved from obtaining required permits and approvals from state, federal or local agencies, before commencement of your proposed activity. Nothing in this letter excuses you from compliance with other statutes, ordinances, or regulations that may affect any proposed work.*

This decision is ONLY for the project as described. If there are any changes to the proposed project, including its intended use, prior to or during its siting, construction, or operation, contact this office immediately to determine if further review and approval of the revised project is necessary.

Thank you for your cooperation with the ACMP.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Magee", written in a cursive style.

Susan E. Magee  
Project Review Coordinator

Enc.: CPQ, p 1-2  
GC #8

cc:	Chuck Degnan, BSCRSA	Robert McLean, DFG
	Kerry Walsh, DNR/MLW	Lee Johnson, DEC, Fbks
	Julie Raymond-Yakoubian, DNR, SHPO	COE Regulatory Branch

## **GENERAL CONCURRENCE GC-8**

### **TEMPORARY USE OF WATER**

### **PERMANENT USE OF WATER (100,000 GALLONS/DAY OR LESS)**

The following activity is consistent with the Alaska Coastal Management Program per 6 AAC 50.050(c) and (e) when conducted according to the standard conditions listed below. This approval does not relieve the applicant from obtaining required permits and approvals from local, State, and federal individual agencies, including access permits (before water use begins).

For activities subject to this general concurrence, the applicant is not automatically required to complete a coastal project questionnaire (CPQ). DNR may require a CPQ for project proposals where it is uncertain whether other State or federal authorizations may be required. For example, a CPQ may not be required for road reconstruction activities since the temporary water use permit is usually the last required permit in an approved and consistent Alaska Department of Transportation and Public Facilities project. Also, a CPQ may not be required for public supply when the water system is existing and the water right application is an after-the-fact filing.

### **DESCRIPTION OF THE ACTIVITY**

Temporary and permanent water withdrawals, including amendments to existing water withdrawal authorizations, from surface and subsurface water where all water withdrawals cumulatively do not reduce the instream flow below the level necessary to support anadromous and resident fish. (Under AS 46.15, DNR is still required to give notice to DFG and DEC of the proposed withdrawal to determine the necessary instream flow levels.)

Temporary water use may be for an undetermined quantity of water for up to five years. Permanent water use authorizations subject to this general concurrence are limited to 100,000 gallons per day. Applications for permanent water uses greater than 100,000 gallons are subject to individual project review. Amendments to existing authorizations must remain within the scope of this general concurrence.

#### **Routine uses include:**

- public, commercial, and domestic water supplies;
- industrial uses including seafood processing, logging activities, road construction, oil and gas exploration outside environmentally sensitive areas, sand and gravel washing, industrial air cooling, and chemical refining;
- public and commercial uses including recreation fields, golf courses, cemeteries, snow making, trailer and recreational vehicle parks, campgrounds, public facilities, ice hockey rinks, commercial malls, car washes, laundries, and washaterias;
- agricultural uses including crop irrigation, livestock watering, nurseries and greenhouses;
- hydroelectric power generation;
- fish hatcheries.

- hydrostatic testing; and
- bottled water.

*Authority:* AS 46.15  
AS 16.05.870  
AS 16.20  
5 AAC 95  
11 AAC 93

*Permits:* Temporary Water Use Permit (DNR)  
Permit to Appropriate Water (DNR)  
Fish Habitat Permit (DFG)  
Special Area Permit (DFG)

*Region:* Statewide, except AMSAs or Important Use Areas identified in the Bering Straits CRSA plan.

## **PROCEDURE**

This general concurrence does not apply to an operation that must undergo an individual project review because of other State or federal permit requirements. Water withdrawal authorizations connected to commercial mining are reviewed as part of the Alaska Placer Mining Application.

## **STANDARD CONDITIONS**

### **Conditions pertaining to Surface and Subsurface Withdrawals**

1. Water discharged (including runoff) shall not be discharged at a rate resulting in sedimentation, erosion, or other disruptions to the bed or banks of the above waters, causing water quality degradation.
2. Water trucks will not be fueled or serviced within 100 feet of a water body. Gas fueled pumps will not be fueled or serviced within 100 feet of a water body unless the pumps are situated within a catch basin designed to contain any spills. Equipment shall not be stored or serviced within 100 feet of any of the subject waterbodies.

### **Conditions pertaining only to Surface Withdrawals**

3. Any water intake structure in fish bearing waters, including a screened enclosure, well-point, sump, or infiltration gallery, must be designed, operated, and maintained to prevent fish entrapment, entrainment, or injury, unless specifically exempted by DFG.
4. Each water intake directly accessible by fish shall be designed to prevent intake,

impingement, or entrapment of fish. Preferred methods of water intake include well points, sumps, or infiltration galleries. As an alternative, the water intake structure must be enclosed and centered within a screened box with a maximum screen-mesh size of 0.04-inches. To reduce fish impingement at the screen/water interface, water velocity may not exceed 0.5 feet per second when the pump is operating (AS 16.05.870). Slower water velocities may be stipulated by DFG if more sensitive anadromous fish life stages (e.g. juvenile whitefish) are present at the water intake source during the period of pumping. DFG can properly determine the size of the screened box from the pump intake size and capacity to be used. Screens aligned parallel to the stream current will require the least maintenance and will be least likely to impinge fish.

5. Waterbodies shall not be altered to facilitate water appropriation or disturbed in any way. If banks, shores, or beds, are inadvertently disturbed, excavated, compacted, or filled, by activities attributable to this project, they shall be immediately stabilized to prevent erosion and the resultant sedimentation of waterbody which could occur both during and after operations. Any disturbed areas shall be recontoured and revegetated.
6. Adequate flow must remain to support indigenous aquatic life and the watercourse must not be blocked to the passage of fishes. The water appropriation shall not adversely affect any anadromous fish stream.
7. Prior to withdrawing water from fish bearing streams, the DFG and DNR may require current and expected flow data for the period of proposed water use. DNR may set a maximum rate of diversion and/or a minimum instream flow.
8. Inwater activity will be limited to placement and removal of the intake structure only. No other in-water activities will occur.
9. There shall be no wheeled, tracked, excavating, or other machinery or equipment (with the exception of the non-motorized screened intake box) operated below the ordinary high water line.
10. Permittee must employ pumping operations in such a way as to prevent any petroleum products or hazardous substances contaminating surface or ground water. In case of accidental spills, absorbent pads will be readily available at the water collection point. All spills must be reported to DEC (800) 478-9300 and to DNR at (907) 451-2678.
11. The suction hose at the water extraction site must be clean and free from contamination at all times to prevent introduction of contamination to the waterbodies, and should be in water of a sufficient depth so that the stream sediments are not disturbed during the extraction process.
12. During the constructional or operational phases of this project, any discharge to state waters made subsequent to this appropriation shall comply with Alaska Water Quality Standards.

# STATE OF ALASKA

**FRANK MURKOWSKI,  
GOVERNOR**

**DEPARTMENT OF NATURAL RESOURCES  
OFFICE OF HABITAT MANAGEMENT AND PERMITTING**

1300 COLLEGE RD.  
FAIRBANKS, AK 97701  
PHONE: (907) 459-7289  
FAX: (907) 456-3091

## **FISH HABITAT PERMIT FH03-III-0158**

ISSUED: May 6, 2003  
EXPIRES: December 31, 2004

Ms. Cindy W. Ellis  
Watkins Engineering, Inc.  
P.O. Box 110443  
Anchorage, AK 99511

Dear Ms. Ellis:

RE: Water Withdrawal; Section 16, T25S, R54W, KRM; Suqitughnaq River.

Pursuant to AS 41.14.840, the Alaska Department of Natural Resources – Office of Habitat Management and Permitting (OHM&P) has reviewed your proposal to withdraw up to 2,800 gallons of water per day from May 1<sup>st</sup> through October 31<sup>st</sup> of each authorized year. Water will be pumped using a Grundfos well pump with a 3.5 inch flow sleeve for an intake. Maximum pump rate is 30 gpm.

The Suqitughnaq River supports fish species in the area of your proposed activity. Based upon our review of your plans, your proposed project should not obstruct the efficient passage and movement of fish.

In accordance with AS 41.14.840, project approval is hereby given subject to the proposed scope of work and the following stipulation:

- (1) Each water intake structure shall be centered and enclosed in a screened box designed to prevent fish entrapment, entrainment, or injury. The effective screen opening may not exceed 1/4 inch. To reduce fish impingement on screened surfaces, water velocity at the screen/water interface may not exceed 0.5 feet per second when the pump is operating.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the OHM&P and obtain

Ms. Cindy W. Ellis  
FH03-III-0158

2

May 6, 2003

written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the OHM&P. Therefore, it is recommended that the OHM&P be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 41.14.840. This permit must be retained on site during construction. Please be advised that this approval does not relieve you of the responsibility of securing other permits, state, federal or local.

This permit provides reasonable notice from the deputy commissioner that failure to meet its terms and conditions constitutes violation of AS 41.14.860; no separate notice under AS 41.14.860 is required before citation for violation of AS 41.14.840 can occur.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect, if, and only if, the sole proximate cause of the injury is the department's negligence.

Sincerely,

Dick LeFebvre, Deputy Commissioner



BY: Robert F. McLean, Habitat Biologist IV  
Office of Habitat Management and Permitting

cc: Chris Milles, ADNR, Fairbanks  
Patrick Sousa, USFWS, Fairbanks  
Don Kohler, ACOE, Anchorage

Pete McGee, ADEC, Fairbanks  
Jeanne Hanson, NMFS, Anchorage

MAC/



# STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DEPARTMENT OF MINING, LAND AND WATER

FRANK H. MURKOWSKI, GOVERNOR

550 WEST 7<sup>TH</sup> AVENUE, SUITE 900A  
ANCHORAGE, ALASKA 99501-3650

PHONE: (907) 269-8431  
FAX: (907) 269-8918

April 24, 2003

Randy MacMillan  
Kuukpik Arctic Catering  
5761 Silverado Way, Suite P  
Anchorage, AK 99518

Re: TWUP A2003-12 - Temporary Water Use Authorization  
St. Lawrence Island Camp  
Suqitughnaq River

Dear Mr. MacMillan:

The Division of Mining, Land and Water (DMLW) has completed the review of the Temporary Water Use Authorization Application. Enclosed is the above listed authorization TWUP A2003-12. If changes to this project are proposed during its operation, please contact this office immediately to determine if further review is necessary.

Please feel free to contact me at (907) 269-8641 if you have any questions or concerns about this authorization.

Sincerely,



Linda-Lou Holzman  
Natural Resource Officer

**P.S. Please note: "Stipulation #1. "This authorization does not authorize the permittee to enter upon any lands until proper rights-of-way, easements, or permission documents, from the appropriate landowner have been obtained".**

Enclosure:

Temporary Water Use Authorization



**ALASKA DEPARTMENT OF NATURAL RESOURCES  
(ADNR)**

**Water Resources Section**

550 West 7<sup>th</sup> Avenue, Suite 900A, Anchorage, AK 99501-3577  
(907) 269-8503

**TEMPORARY WATER USE AUTHORIZATION  
TWUP A2003-12**

Pursuant to AS 46.15, as amended and the rules and regulations promulgated thereunder, permission is hereby granted to Kuukpik Arctic Catering, 5761 Silverado Way, Suite P, Anchorage, AK 99518 and their contractors, to withdraw up to **2,800 gallons of water per day from May 1<sup>st</sup> through October 31<sup>st</sup> of each authorized year.** The water will be used for camp supply to support the environmental cleanup activities by Bristol Environmental and Engineering for the Corps of Engineers on St. Lawrence Island, Alaska.

**SOURCE OF WATER:**

**Suqitughnaq River**, located within Section 16, Township 25 South, Range 54 West, Kateel River Meridian, Alaska.

**STRUCTURES TO BE CONSTRUCTED AND USED:**

Screened intake structure, Pump with 3.5-inch intake and a 30 gpm output, pipe.

Changes in the natural state of water are to be made as stated herein and for the purposes indicated.

During the effective period of this authorization, the permittee shall comply with the following conditions:

**CONDITIONS:**

1. **This authorization does not authorize the permittee to enter upon any lands until proper rights-of-way, easements, or permission documents, from the appropriate landowner have been obtained.**
2. Follow acceptable engineering standards in exercising the rights granted herein.
3. Comply with all applicable laws and any rules and/or regulations issued thereunder.
4. Except for the claims or losses arising from the negligence of the State, defend and indemnify the State against and hold it harmless from any and all claims, demands, legal actions, loss, liability and expense for injury or death of persons and damages to or loss of property arising out of or connected with the exercise of this Temporary Water Use Authorizations.
5. Notify the Water Resources Section upon change of address.

6. Permittee is responsible for obtaining and complying with other permits/approvals (state, federal, or local) that may be required.
7. Failure to respond to a request for additional information during the term of the authorization may result in the termination of this authorization.
8. This authorization is subject to an annual administrative service fee.
9. Permittee shall allow an authorized representative of the Water Resources Section to inspect, at reasonable times, any facilities, equipment, practices, or operators regulated or required under this authorization.
10. Permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project, and shall ensure that workers are familiar with the requirements of this authorization. For any activity that significantly deviates from the approved project during its siting, construction, or operation, the permittee is required to contact the Water Resources Section and obtain approval before beginning the activity.
11. The Water Resources Section may modify this authorization to include different limitations, expand monitoring requirements, evaluate impacts, or require restoration at the site.
12. Any false statements or representations, in any application, record, report, plan, or other document filed or required to be maintained under this authorization, may result in the termination of this authorization.
13. This authorization is subject to Alaska Coastal Management Program (ACMP) General Concurrence GC-8 Temporary Use of Water, attached hereto and made a part hereof.

This Temporary Water Use Authorization is issued pursuant to 11 AAC 93.220. No water right or priority is established by a temporary water use authorization issued pursuant to 11 AAC 93.220. Water so used is subject to appropriation by others (11 AAC 93.210(b)).

The Department may suspend operations authorized under this authorization whenever such suspension shall in its judgment be necessary to protect the public interest or that of a prior appropriator.

This authorization shall expire on September 30, 2008.

Date issued: April 24, 2003

Approved: Kellie W. Prokosch  
Gary Prokosch  
Chief, Water Resources, Section

# STATE OF ALASKA

## DEPT. OF ENVIRONMENTAL CONSERVATION DIVISION OF ENVIRONMENTAL HEALTH NORTHERN DRINKING WATER/WASTEWATER PROGRAM

**FRANK MURKOWSKI, GOVERNOR**

610 University Avenue  
Fairbanks, AK 99709  
Phone: (907) 451-2108  
Fax: (907) 451-2188  
<http://www.state.ak.us/dec/>

**File: 900.07.001  
900.45.063**

May 1, 2003

Cindy Ellis, P.E.  
Watkins Engineering  
P.O. Box 110443  
Anchorage, AK 99511

**Re: Final Approval to Operate Potable Water and Greywater Treatment  
Arctic Catering - WWI Sleigh Camp  
PWSID: 334116; Source: Surface Water**

Dear Ms. Ellis:

I have reviewed the as-built plans received April 25, 2003 in accordance with the Drinking Water and Wastewater Regulations 18 AAC 80 and 18 AAC 72. The systems consist of a Class B public drinking water system using cartridge filtration and disinfection and a 2,400 gpd greywater treatment system for wastewater using cartridge filtration, disinfection, and discharging to the surface. These facilities will serve a maximum population of 60 persons. **Final approval to operate is granted.** I have enclosed a signed construction and operation certificate with the final operational approval section signed.

The plan review and approval of the wastewater discharge is issued in lieu of a permit as allowed under 18 AAC 72.215(b). The discharge approval is for the Northeast Cape cleanup project camp on St. Lawrence Island only. The conditions on this discharge are as follows:

1. Discharge shall not be to a sensitive receiving environment.
2. Discharge shall not contain floating solids, foam, garbage, or kitchen oils from food preparation.
3. Discharge shall not cause film, sheen, or discoloration on the surface of any nearby water.
4. Discharge shall not cause erosion, nor a violation of the state water quality standards, 18 AAC 70.
5. Discharge shall be located to minimize pooling.
6. Discharge is limited to a maximum of 2,400 gallon per day.
7. Discharge area shall be protected from human access.
8. Discharge is limited to the 2003 and 2004 project seasons.

In addition to the monthly report for drinking water discussed below you will need to report monthly on your wastewater discharge. The items to address in your report are daily estimates on quantity discharged and any observations of the conditions listed above. This plan review in lieu of a permit is issued for 2003 and 2004 for this location only. Before operating at any other location you will need to notify this office to verify whether there are additional plan review or permit requirements.

This drinking water treatment system has been assigned 334116 as your public water system identification number (PWSID). Please make note of it and use it on any water samples or correspondence regarding this system.

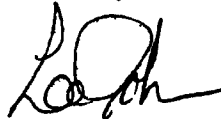
As a Class B public water system using a surface water source there are requirements for operation and routine monitoring. The system is required to be operated by a "Certified" operator. On an annual basis a water sample is required for nitrate. A water sample is required to be taken once each month and submitted to a certified laboratory for analysis for total coliform bacteria. The coliform samples are required to be taken at locations shown on a sample-siting plan. The turbidity must be tested at least one time every day raw water is filtered. The turbidity should be tested directly after filtration and prior to disinfection. The turbidity limit is 1 NTU in 95% of the samples taken each month. The chlorine residual must be tested every day at the entry point to the distribution system. Also, it is required that the chlorine residual be tested at the same time and place as the total coliform samples are taken. 18 AAC 80.400, 18 AAC 80.600

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 – 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 555 Cordova Street, Anchorage, Alaska 99501, within 15 days of the decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of the decision. If a hearing is not requested within 30 days, the right to appeal is waived.

Approval of submitted plans is not approval of omissions or oversights by this office or noncompliance with any applicable regulation. The Department's approval does not guarantee correctness of functional design or waive the owner's responsibility for continued compliance with state regulations. This approval does not preclude the Department from requiring an individual permit.

If you have any questions please call me at 451-2179.

Sincerely,



Lee Johnson  
Engineering Associate

LJ/ XD (G:/eh/engineer/plans/WWI Sleigh Camp – Arctic Catering Final op.lee.doc)

Enclosures: DW Final Approval Certificate  
WW Final Approval Certificate

Cc w/enc.: Randy MacMillan, Arctic Catering/Anchorage  
Heather Newman, ADEC/Anchorage  
David Johnson, P.E., ADEC/Soldotna



State of Alaska  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
CONSTRUCTION AND OPERATION CERTIFICATE  
FOR



PUBLIC WATER SYSTEMS

A. APPROVAL TO CONSTRUCT -Project Name:- WWI Sleigh Camp - Arctic Catering, PWSID: 334116

Plans for the construction of a public water system for use on the **North Slope of Alaska**, submitted in

accordance with 18 AAC 80.200 by Jeffrey Garness, P. E. was reviewed and ☐ approved as submitted.

Conditions of Construction Approval: See Attached Approval Letter For Conditions

[Signature]  
(Reviewing Engineer)

Engineering Associate  
(Title)

December 27, 2000  
(Date)

If applicant fails to construct, alter, install, or modify the system within two years of the date of approval to construct, approval is void, and plans must be resubmitted for department review and approval. (18 AAC 72.225 (d))

A. APPROVED CHANGE ORDERS

Change (contract order number or descriptive reference)

Approved by:

Date of Approval

B. APPROVAL TO OPERATE

The "APPROVAL TO OPERATE" section must be completed and signed by the Department before any water is made available for public use.

The system is hereby granted Extended to July 15, 2001  
interim approval to operate until June 30, 2001. It is illegal to operate a public water system beyond this date without Final Approval to Operate from the Department.

[Signature]  
(Reviewing Engineer)

Engineering Associate  
(Title)

5/22/01  
(Date)

Final Approval to Operate:

The construction of the WWI Sleigh Camp system was completed on \_\_\_\_ (date). Record drawings and other documents submitted to the department, or an inspection by the department, has confirmed that the domestic wastewater disposal system was constructed according to the approved plans. The system is hereby granted **FINAL APPROVAL TO OPERATE.**

[Signature]  
(Reviewing Engineer)

Engineering Associate  
(Title)

May 1, 2003  
(Date)



State of Alaska  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
CONSTRUCTION AND OPERATION CERTIFICATE  
FOR  
DOMESTIC WASTEWATER DISPOSAL SYSTEMS




### A. APPROVAL TO CONSTRUCT

Plans for the construction or modification of a 2400 gpd greywater treatment system utilizing cartridge filtration and disinfection

domestic wastewater disposal system located on the North Slope, Alaska, submitted in accordance with 18 AAC 72.200 through 18 AAC 72.235 by Jeffrey Garness P.E.

was reviewed and ☒ approved as submitted ☐ conditionally approved (see conditions below).

**Conditions of Construction Approval:** See attached approval letter for conditions

  
 \_\_\_\_\_  
 (Reviewing Engineer)

\_\_\_\_\_  
 Engineering Associate  
 (Title)

\_\_\_\_\_  
 12/27/00  
 (Date)

**If applicant fails to construct, alter, install, or modify the system within two years of the date of approval to construct, approval is void, and plans must be resubmitted for department review and approval. (18 AAC 72.225 (d))**

## B. APPROVED CHANGE ORDERS

Change (contract order number or descriptive reference)	Approved by:	Date of Approval
---	--------------	------------------

~~E. APPROVAL TO OPERATE~~

The "APPROVAL TO OPERATE" section must be completed and signed by the Department before this system is made available for use.

The system is hereby granted interim approval to operate until June 30, 2001. It is illegal to operate the domestic wastewater disposal system beyond this date without Final Approval to Operate from the Department.

Leo John Engineering Associate 5/22/01  
(Reviewing Engineer) (Title) (Date)

**Final Approval to Operate:**

The construction of the WWI Sleigh Camp domestic

wastewater disposal system was completed on \_\_\_\_\_ (date). Record drawings and other documents submitted to the department, or an inspection by the department, has confirmed that the domestic wastewater disposal system was constructed in substantial conformance with the approved plans. The system is hereby granted **FINAL APPROVAL TO OPERATE**.

Loch Engineering Associate May 1, 2003  
(Reviewing Engineer) (Title) (Date)



STATE OF ALASKA  
Department of Environmental Conservation  
**ALASKA FOOD CODE  
ESTABLISHMENT PERMIT**



Issued to: **ARCTIC CATERING INC**  
For: **ACI #1 ST LAWRENCE CAMP**  
For Operation of: **TYPE FF-4 Labor Camp Food Service**  
Located at: **ST LAWRENCE**

This permit, issued under the provisions of 18 AAC 31, is valid until the noted expiration date or unless suspended or revoked by the department.

This permit is not transferable for change of ownership, establishment location, or type of operation. It must be posted in plain view in the establishment and is the property of the State of Alaska.

Permit Number:

**326600009**

Program Manager:

*Nancy Napier*

Expiration Date:

**December 31, 2003**



# Coastal Project Questionnaire and Certification Statement

Please answer all questions. To avoid a delay in processing, please call the department if you have any questions related to that department. Maps and plan drawings must be included with your packet.

*An incomplete packet will be returned.*

MAR 27 2003

## ■ APPLICANT INFORMATION

1. Kuukpik Arctic Catering  
 Name of Applicant  
5761 Silverado Way, Suite P  
 Address  
Anchorage, AK 99518  
 City/State Zip Code  
(907) 562-5588  
 Daytime Phone  
(907) 562-5898  
 Fax Number  
randy@arcticcate  
 E-mail Address

2. Cindy W. Ellis, P.E.  
 Agent (or responsible party if other than applicant)  
PO Box 110443  
 Address  
Anchorage, AK 99511  
 City/State State Zip Code Zip Code  
(907) 349-1851  
 Daytime Phone  
(907) 349-1934  
 Fax Number  
cwellis@gci.net  
 E-mail Address

## ■ PROJECT INFORMATION

1. This activity is a: ☐ new project ☒ modification or addition to an existing project  
 If a modification, do you currently have any State, federal or local approvals related to this activity? ☒ Yes ☐ No

Note: Approval means any form of authorization. If "yes," please list below:

Approval Type	Approval #	Issuance Date	Expiration Date
Food Permit	326600009	5-22-01	Dec. 31, 2003
Water Treatment Plant	PWS ID 334116	5-22-01	7-15-01
Wastewater Treatment Plant		5-22-01	7-15-01

2. If a modification, has this project ever been reviewed by the State of Alaska under the ACMP? ☐ Yes ☒ No  
 Previous State I.D. Number: AK \_\_\_\_\_ Previous Project \_\_\_\_\_

Name: \_\_\_\_\_

## ■ PROJECT DESCRIPTION

1. Provide a brief description of your entire project and ALL associated facilities and land use conversions. Attach additional sheet(s) as needed.

Kuukpik Arctic Catering will provide camp facilities to the Corps of Engineers at Northeast Cape, St. Lawrence Island. The camp includes food preparation and water and wastewater treatment.

Proposed starting date for project: June 1, 2003 Proposed ending date for project: Sept. 30, 2004

2. Attach the following: • a detailed description of the project, all associated facilities, and land use conversions, etc. (Be specific, including access roads, caretaker facilities, waste disposal sites, etc.); • a project timeline for completion of all major activities in the proposal; • a site plan depicting property boundary with all proposed actions; • other supporting documentation that would facilitate review of the project. Note: If the project is a modification, identify existing facilities as well as proposed changes on the site plan.

## ■ PROJECT LOCATION

1. Attach a copy of the topographical and vicinity map clearly indicating the location of the project. Please include a map title and scale.
2. The project is located in which region (see attached map): ☒ Northern ☐ Southcentral ☐ Southeast  
☐ within or associated with the Trans-Alaska Pipeline corridor
3. Location of project (Include the name of the nearest land feature or body of water.) St. Lawrence Island  
 Township 25 S Range 54 W Section 16 Meridian Kat Latitude/Longitude 63° 15' 1168 42 USGS Quad Map \_\_\_\_\_  
Kateel River Mer.
4. Is the project located in a coastal district? Yes ☒ No ☐ If yes, identify: Nome - Bering Strait  
 (Coastal districts are a municipality or borough, home rule or first class city, second class with planning, or coastal resource service area.) Note:  
 A coastal district is a participant in the State's consistency review process. It is possible for the State review to be adjusted to accommodate a local  
 permitting public hearing. Early interaction with the district is important; please contact the district representative listed on the attached contact  
 list.
5. Identify the communities closest to your project location: Northeast Cape, St. Lawrence Island
6. The project is on: ☐ State land or water\* ☐ Federal land ☐ Private land  
☐ Municipal land ☐ Mental Health Trust land  
 \*State land can be uplands, tidelands, or submerged lands to 3 miles offshore. See Question #1 in DNR section.  
 Contact the applicable landowner(s) to obtain necessary authorizations.

## ■ DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) APPROVALS

- |   | Yes                                 | No                                  |
|---|-------------------------------------|-------------------------------------|
| 1. Will a discharge of wastewater from industrial or <u>commercial</u> operations occur? <u>Camp</u>  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Will the discharge be connected to an already approved sewer system?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Will the project include a stormwater collection/discharge system?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2. Do you intend to construct, install, modify, or use any part of a wastewater (sewage or greywater) disposal system?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| a) If so, will the discharge be 500 gallons per day or greater?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) If constructing a domestic wastewater treatment or disposal system, will the system be located within fill material requiring a COE permit?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| If you answered yes to a) or b), answer the following:  |                                     |                                     |
| 1) What is the distance from the bottom of the system to the top of the subsurface water table? <u>Unknown - Discharge to the tundra</u>  |                                     |                                     |
| 2) How far is any part of the wastewater disposal system from the nearest surface water? <u>&gt; 200 ft</u>   |                                     |                                     |
| 3) Is the surrounding area inundated with water at any time of the year?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4) How big is the fill area to be used for the absorption system? <u>NA</u>   |                                     |                                     |
| (Questions 1 & 2 will be used by DEC to determine whether separation distances are being met;<br>Questions 3 & 4 relate to the required size of the fill if wetlands are involved.)           |                                     |                                     |
| 3. Do you expect to request a mixing zone for your proposed project?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| (If your wastewater discharge will exceed Alaska water quality standards, you may apply for a mixing zone.<br>If so, please contact DEC to discuss information required under 18 AAC 70.032.) |                                     |                                     |

- |       |   | Yes                                 | No                                  |
|-------|---|-------------------------------------|-------------------------------------|
| 4. a) | Will your project result in the construction, operation, or closure of a facility for the disposal of solid waste? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
|       | <i>(Note: Solid waste means drilling wastes, household garbage, refuse, sludge, construction or demolition wastes, industrial solid waste, asbestos, and other discarded, abandoned, or unwanted solid or semi-solid material, whether or not subject to decomposition, originating from any source. Disposal means placement of solid waste on land.)</i>                          |                                     |                                     |
| b)    | Will your project result in the treatment of solid waste at the site? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
|       | <i>(Examples of treatment methods include, but are not limited to: incineration, open burning, baling, and composting.)</i>   |                                     |                                     |
| c)    | Will your project result in the storage or transfer of solid waste at the site? .....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d)    | Will the project result in the storage of more than 50 tons of materials for reuse, recycling, or resource recovery? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e)    | Will any sewage solids or biosolids be disposed of or land-applied to the site? .....   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|       | <i>(Sewage solids include wastes that have been removed from a wastewater treatment plant system, such as a septic tank, lagoon dredge, or wastewater treatment sludge that contain no free liquids. Biosolids are the solid, semi-solid, or liquid residues produced during the treatment of domestic septage in a treatment works which are land applied for beneficial use.)</i> |                                     |                                     |
|       |   | <i>Incinerated</i>                  |                                     |
| 5.    | Will your project require the application of oil, pesticides, and/or any other broadcast chemicals? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 6. a) | Will you have a facility with industrial processes that are designed to process no less than five tons per hour and needs air pollution controls to comply with State emission standards? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b)    | Will you have stationary or transportable fuel burning equipment, including flares, with a total fuel consumption capacity no less than 50 million Btu/hour? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| c)    | Will you have a facility with incinerators having a total charging capacity of no less than 1,000 pounds per hour? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d)    | Will you have a facility with equipment or processes that are subject to Federal New Source Performance Standards or National Emission Standards for hazardous air pollutants? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
|       | i) Will you propose exhaust stack injection? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e)    | Will you have a facility with the potential to emit no less than 100 tons per year of any regulated air contaminant? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f)    | Will you have a facility with the potential to emit no less than 10 tons per year of any hazardous air contaminant or 25 tons per year of all hazardous air contaminants? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g)    | Will you construct or add stationary or transportable fuel burning equipment of no less than 10 million Btu/hour in the City of Unalaska or the City of St. Paul? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| h)    | Will you construct or modify in the Port of Anchorage a volatile liquid storage tank with a volume no less than 9,000 barrels, or a volatile liquid loading rack with a design throughput no less than 15 million gallons? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| i)    | Will you be requesting operational or physical limits designed to reduce emissions from an existing facility in an air quality nonattainment area to offset an emission increase from another new or modified facility? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 7.    | Will you be developing, constructing, <u>installing</u> , or altering a public water system? .....  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|       | PWSID 334116  |                                     |                                     |
| 8. a) | Will your project involve the operation of waterborne tank vessels or oil barges that carry crude or non-crude oil as bulk cargo, or the transfer of oil or other petroleum products to or from such a vessel or a pipeline system? .....   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b)    | Will your project require or include onshore or offshore oil facilities with an effective aggregate storage capacity of greater than 5,000 barrels of crude oil or greater than 10,000 barrels of non-crude oil? .....  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

- |  | Yes                      | No                                  |
|--|--------------------------|-------------------------------------|
| c) Will you be operating facilities on the land or water for the exploration or production of hydrocarbons?..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If you answered "NO" to ALL questions in this section, continue to next section.

If you answered "YES" to ANY of these questions, contact the DEC office nearest you for information and application forms. Please be advised that all new DEC permits and approvals require a 30-day public notice period. DEC Pesticide permits take effect no sooner than 40 days after the permit is issued.

Based on your discussion with DEC, please complete the following:

Types of project approvals or permits needed

Wastewater discharge permit  
Final Approval on Water & Wastewater plants

Date application submitted

3-26-03  
3-27-03

9. Does your project qualify for a general permit for wastewater or solid waste?..... ☐ ☒  
*Note: A general permit is an approval issued by DEC for certain types of routine activities.*

If you answered "YES" to any questions in this section and are not applying for DEC permits, indicate reason:

- ☐ \_\_\_\_\_ (DEC contact) told me on \_\_\_\_\_ that no DEC approvals are required on this project because \_\_\_\_\_  
☐ Other: \_\_\_\_\_

#### ■ DEPARTMENT OF FISH & GAME (DFG) APPROVALS

1. Will you be working in, removing water or material from, or placing anything in, a stream, river or lake? (This includes work or activities below the ordinary high water mark or on ice, in the active flood plain, on islands, in or on the face of the banks, or, for streams entering or flowing through tidelands, above the level of mean lower low tide.)  
*Note: If the proposed project is located within a special flood hazard area, a floodplain development permit may be required. Contact the affected city or borough planning department for additional information and a floodplain determination.)* ..... ☒ ☐  
Name of waterbody: Sagittaryhag River

2. Will you do any of the following:..... ☒ ☐

Please indicate below:

- |  |   |
|--|---|
| <p><input type="checkbox"/> Build a dam, river training structure, other instream impoundment, or weir</p> <p><input checked="" type="checkbox"/> Use the water</p> <p><input checked="" type="checkbox"/> Pump water into or <u>out of stream</u> or lake (including dry channels)</p> <p><input type="checkbox"/> Divert or alter the natural stream channel</p> <p><input type="checkbox"/> Change the water flow or the stream channel</p> <p><input type="checkbox"/> Introduce silt, gravel, rock, petroleum products, debris, brush, trees, chemicals, or other organic/inorganic material, including waste of any type, into the water</p> <p><input type="checkbox"/> Alter, stabilize or restore the banks of a river, stream or lake (provide number of linear feet affected along the bank(s))</p> <p><input type="checkbox"/> Mine, dig in, or remove material, including woody debris, from the beds or banks of a waterbody</p> <p><input type="checkbox"/> Use explosives in or near a waterbody</p> | <p><input type="checkbox"/> Build a bridge (including an ice bridge)</p> <p><input type="checkbox"/> Use the stream, lake or waterbody as a road (even when frozen), or cross the stream with tracked or wheeled vehicles, log-dragging or excavation equipment (backhoes, bulldozers, etc.)</p> <p><input type="checkbox"/> Install a culvert or other drainage structure</p> <p><input type="checkbox"/> Construct, place, excavate, dispose or remove any material below the ordinary high water of a waterbody</p> <p><input type="checkbox"/> Construct a storm water discharge or drain into the waterbody</p> <p><input type="checkbox"/> Place pilings or anchors</p> <p><input type="checkbox"/> Construct a dock</p> <p><input type="checkbox"/> Construct a utility line crossing</p> <p><input type="checkbox"/> Maintain or repair an existing structure</p> <p><input type="checkbox"/> Use an instream in-water structure not mentioned here</p> |
|--|---|

Coastal Project Questionnaire  
Kuukpik Arctic Catering  
WW1 Camp at St. Lawrence Island

Submitted by: Cindy W. Ellis, P.E.  
Watkins Engineering, Inc.  
907-349-1851

Detailed Description of the Project:

Kuukpik Arctic Catering proposes to operate a camp on St. Lawrence Island to support environmental cleanup activities by Bristol Environmental and Engineering for the Corps of Engineers. The camp will provide lodging and meals for up to 50 people. This camp has been used for similar operations in the state of Alaska.

The location of the camp will be near Northeast Cape, St. Lawrence Island. Water will be taken from the Suqitaghnaq River in the Northeast ¼ of Section 16, T 25S, R54W, Kateel River Meridian. No more than 2800 gal/day will be taken from the stream.

The river water will be treated and used for domestic purposes such as drinking water, food preparation, showering, and laundry. Toilets will not use water; they are Pacto units, which contain the waste in a bag for disposal by incineration. This plant has been certified to treat surface water, and it previously operated under Interim Approval from the Alaska Department of Environmental Conservation. The Public Water System Identification Number is 334116. A Final certificate to Operate is now being applied for.

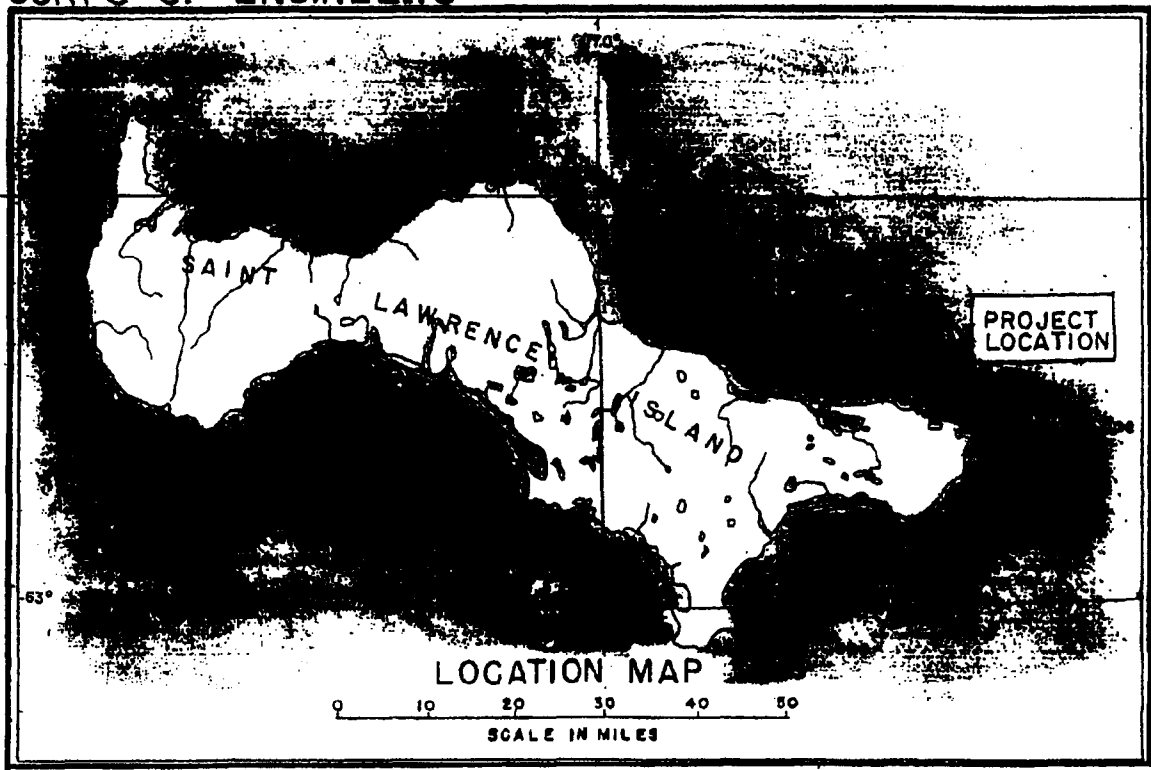
Wastewater consists only of greywater; all toilet water is bagged in the Pacto units. The greywater treatment system was given Interim Approval to Operate by the DEC in May 2001. A Final Certificate to Operate is now being applied for. Greywater is filtered, disinfected, and dechlorinated prior to discharge to the tundra. The discharge point will be at least 200 ft from any surface waters. A discharge permit is being requested from the DEC.

Solid waste from the camp will be combined with the solid waste stream from the cleanup operation, and disposed of by Bristol Environmental and Engineering. All solid waste is proposed to be transferred to Waste Management Service and disposed of in their Arlington, Oregon landfill.

The work will be seasonal, with an expected start date of June 1, 2003 and shut down for the winter approximately September. All work is expected to be complete by September 30, 2004.

Kuukpik Arctic Catering  
St. Lawrence Island Camp  
Vicinity Map for Coastal Project Questionnaire

CORPS OF ENGINEERS



Watkins Engineering, Inc.  
3/26/03

Kuukpik Arctic Catering  
St. Lawrence Island Camp  
Area Map

Camp Site

63°20'

Cape Kengighak

East 7.95 Miles (approx.)  
Follows coastline to S.O.B.

Cabin

Cape Kitnaghak

CARGO BEACHING  
AREA

Cape Seevoo

Point of Beginning  
Lat. 63°18'18" North  
Long. 168°52'14" West

RADIO  
RECEIVER  
AREA

HOUSING AND  
OPERATIONS AREA

RADIO TRANSMITTER  
AREA

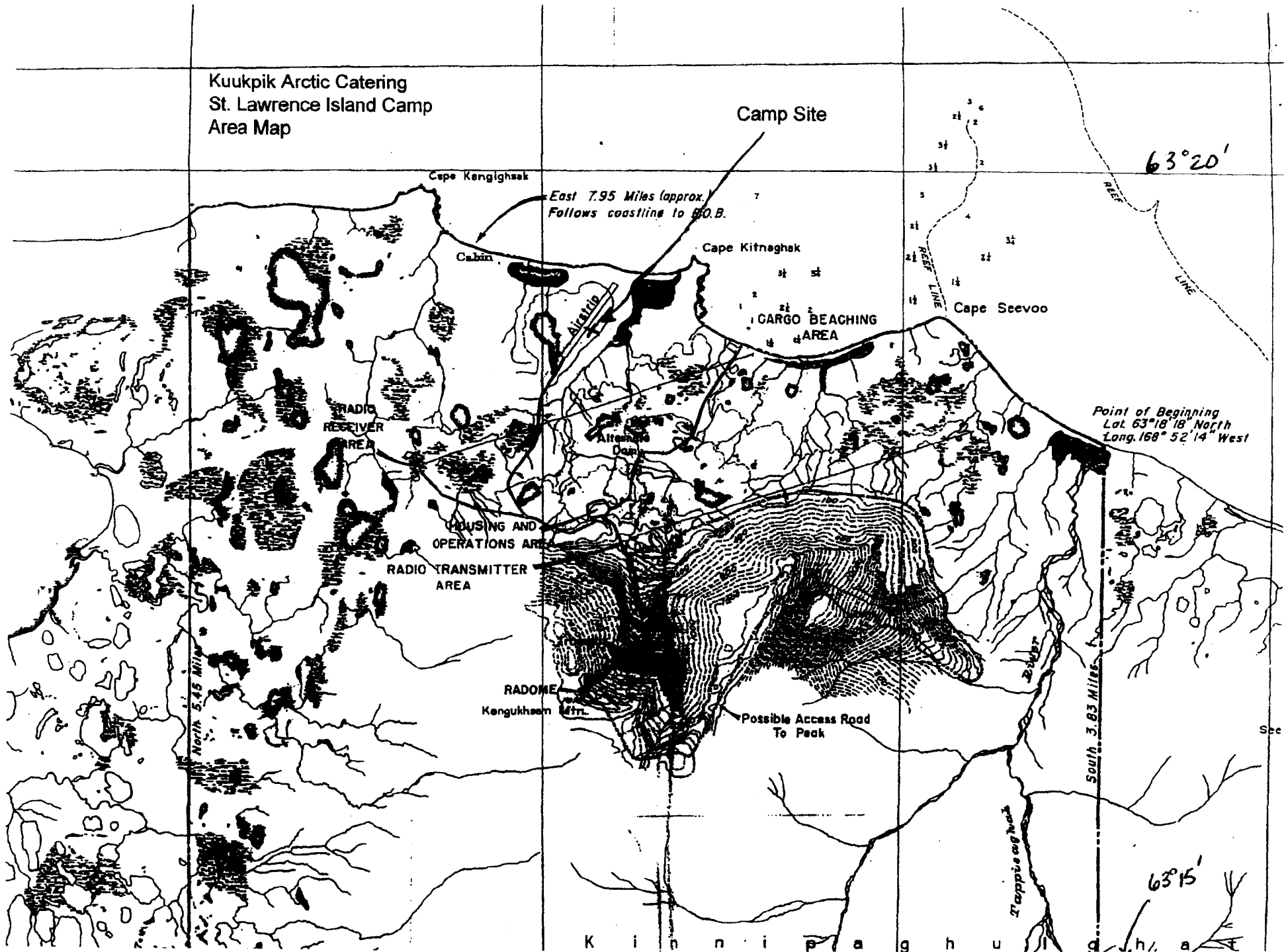
RADOME  
Kengukheem Mtn.

Possible Access Road  
To Peak

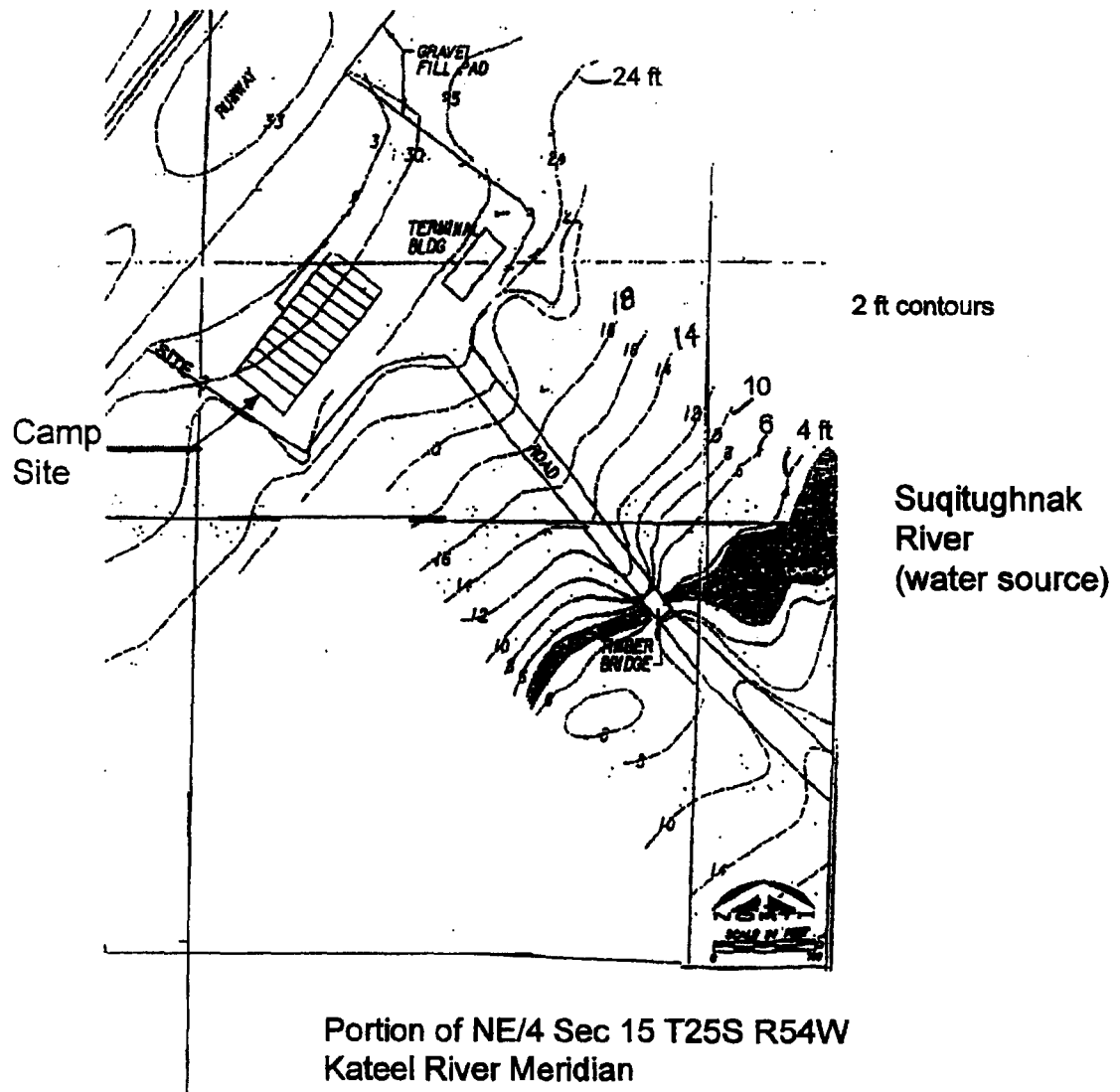
South 3.83 Miles

63°15'

K i n n i p a g h u a



Kuukpik Arctic Catering  
St. Lawrence Island Camp  
WW1 Water & Wastewater Treatment Plants  
PWSID 334116  
Topographical Map





## **APPENDIX I**

### **Material Supply and Quarry Operating Agreement**



# Bristol

ENVIRONMENTAL & ENGINEERING  
SERVICES CORPORATION

111 W. 16<sup>th</sup> Avenue, Suite 301  
Anchorage, AK 99501-5109  
907-563-0013 Phone  
907-563-6713 Fax

November 2, 2005

Mr. Jerry Reichlin  
Fortier & Mikko  
101 W. Benson Boulevard  
Suite 304  
Anchorage, Alaska 99503

**Borrow Material Payment and  
Annual Reclamation Statement  
2005 Field Season  
Northeast Cape Borrow Site**

Dear Jerry:

Enclosed please find a check for \$6,510.00 for gravel royalties and the 2005 annual surface disturbance payment for the Northeast Cape Borrow Site. This payment was made in accordance with the Borrow Material spreadsheet (enclosed) and our Material Supply and Quarry Operating Agreement (Agreement) dated June 9, 2005. The following table summarizes the gravel extracted during the 2005 season.

**Gravel Used at NE Cape During 2005 Field Season**

Date	Loads	CY/Load	CY	Haul Unit	From	To
6/30/2005	3	8	24	2200 Morooka	Beach	Fuel Farm
7/1/2005	1	8	8	2200 Morooka	Beach	Camp
8/17/2005	16	15	240	End Dump	Pit	OPS/Road
8/17/2005	2	15	<u>30</u>	End Dump	Beach	Road
			302			

CY = cubic yards

OPS = Air Force Operations Area

I have also included a copy of the Material Site Reclamation Plan/Annual Reclamation Statement we have filed with the State of Alaska, Department of Natural Resources.

Mr. Jerry Reichlin  
November 2, 2005  
Page 2

This completes our 2005 obligations under our Agreement with Sivuqaq, Inc. and the Savoonga Native Corporation. Please call me at 743-9322 if you have questions or require additional information.

Sincerely,

**Bristol Environmental & Engineering  
Services Corporation**

A handwritten signature in dark ink, appearing to read "Steven A. Johnson", with a long horizontal flourish extending to the right.

Steven A. Johnson, P.E.  
Northeast Cape Project Manager

Enclosures: Check  
2005 Annual Reclamation Statement

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER

<input checked="" type="checkbox"/> Northern Region 3700 Airport Way Fairbanks, AK 99709 (907) 451-2740	<input type="checkbox"/> Southcentral Region 550 W 7th Ave., Suite 900C Anchorage, AK 99501-3577 (907) 269-8552	<input type="checkbox"/> Southeast Region 400 Willoughby, #400 Juneau, AK 99801 (907) 465-3400
--	--	---

MATERIAL SITE RECLAMATION PLAN OR  
LETTER OF INTENT/ANNUAL RECLAMATION STATEMENT  
AS 27.19.030 – 27.19.050

Non-refundable filing fee for reclamation plan: \$100

In accordance with Alaska Statute 27.19, reclamation is required of all mining operations, including sand and gravel extraction. Completion of this form will meet the law's requirements for a **reclamation plan** (see below for filing requirements; due date: at least 45 days before mining is proposed to begin; requires approval by the Division of Mining, Land and Water). Completion of this form will also serve as a **letter of intent** for operations exempt from the plan requirement (due date: before mining begins). No approval is required for a letter of intent, but a miner who files a letter of intent must, before December 31, file an annual **reclamation statement** (Section 8 of this form).

Check applicable box:

- |  |  |
|--|--|
| <input type="checkbox"/> A. RECLAMATION PLAN (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres) | <input checked="" type="checkbox"/> C. LETTER OF INTENT (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area)<br>NOTE: A miner who files a letter of intent is also required to file an annual reclamation statement at the end of the year. |
| <input type="checkbox"/> B. RECLAMATION PLAN—VOLUNTARY (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool)  |  |

THIS RECLAMATION PLAN/LETTER OF INTENT IS FOR CALENDAR YEAR 2005  
(IF YOU CHECKED EITHER BOX A OR B ABOVE AND PROPOSE A MULTI-YEAR PLAN, STATE ALL YEARS COVERED.)

1. MINER INFORMATION (IF THERE IS MORE THAN ONE MINER, ATTACH A LIST OF THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF ALL OTHER OWNERS, OPERATORS, OR LEASEHOLDERS OF THE MINING OPERATION)

Bristol Environmental & Engineering Services Corp., Attn: Steve Johnson, P.E.

NAME OF MINER WHO WILL SERVE AS AGENT FOR NOTICE PURPOSES

2000 W. International Airport Rd., #C-1

ADDRESS (NOTIFY THE DEPARTMENT OF ANY LATER CHANGE OF ADDRESS)

Anchorage	Alaska	99502-1117	907-563-0013
CITY	STATE	ZIP CODE	TELEPHONE

Savoonga Native Corporation and Sivuqaq, Inc.

NAME OF LANDOWNER (IF OTHER THAN MINER) OR PUBLIC LAND MANAGEMENT AGENCY

FEDERAL OR STATE CASEFILE NUMBER (IF ANY) ASSIGNED TO THE SITE

## 2. LEGAL DESCRIPTION OF PROPOSED MINING SITE

St. Lawrence Is.

Township 20 South through 29 and Range 53 West and 68 West, Kated River Meridan

LEGAL SUBDIVISION/ SECTION/ QUARTER-SECTION	TOWNSHIP	RANGE	MERIDIAN
---	----------	-------	----------

## 3. DESCRIPTION OF THE MINING OPERATION (IF YOU CHECKED BOX A OR B ON P. 1 OF THIS FORM AND ARE PROPOSING A MULTI-YEAR RECLAMATION PLAN, ATTACH SEPARATE SHEETS AS NEEDED SHOWING ACREAGE TO BE MINED, VOLUME TO BE MINED, AND EXISTING ACREAGE OF MINED AREA FOR EACH YEAR COVERED BY THE PLAN)

- a. 1 acres Total acreage to be mined or disturbed during the year.
- b. 1,000 cu. yds. Estimated total volume to be mined or disturbed, including overburden.
- c. gravel Type of material (sand, gravel, peat, etc.).
- d. 0 acres Existing acreage of mined area (disturbed area that has not yet been reclaimed, but counting only acreage disturbed after October 15, 1991)

## 4. DESCRIPTION OF THE RECLAMATION OPERATION

- a. The total acreage that will be reclaimed during the year (or each year, if for a multi-year reclamation plan) is: 1
- b. Provide a list of equipment (type and quantity) to be used during the reclamation operation.
- c. A time schedule of reclamation measures shall be included as part of the plan.

The following measures must be considered in preparing and implementing the reclamation plan. Please mark those measures appropriate to your reclamation activity:

- ☐ Topsoil that is not promptly redistributed to an area being reclaimed will be separated and stockpiled for future use. This material will be protected from erosion and contamination by acidic or toxic materials and preserved in a condition suitable for later use.
- ☒ The area will be ~~backfilled~~ graded and recontoured using strippings, overburden, and topsoil to a condition that allows for the reestablishment of renewable resources on the site within a reasonable period of time. It will be stabilized to a condition that will allow sufficient moisture to be retained for natural revegetation.
- ☐ Stockpiled topsoil will be spread over the reclaimed area to promote natural plant growth that can reasonably be expected to revegetate the area within five years.
- ☐ Stream channel diversions will be relocated to a stable location in the flood plain.
- ☐ Exploration trenches or pits will be backfilled. Brush piles, vegetation, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation.
- ☐ All buildings and structures constructed, used, or improved on land owned by the State of Alaska will be removed, dismantled, or otherwise properly disposed of at the completion of the mining operation.
- ☐ Any roads, airstrips or other facilities constructed to provide access to the mining operation shall be reclaimed (unless otherwise authorized) and included in the reclamation plan.
- ☐ Peat and topsoil mine operations shall ensure a minimum of two inches of suitable growing medium is left or replaced on the site upon completion of the reclamation activity.

- ☐ If extraction occurs within a flood plain, the reclamation activity shall reestablish a stable bed and bank profile such that river currents will not be altered and erosion and deposition patterns will not change.

NOTE: If you propose to use reclamation measures other than those shown above, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures than those shown above, attach a list of those measures to this plan.

#### 5. ALTERNATE POST-MINING LAND USE

- ☐ The mining site is public land. The land management agency's land use plan (if any) for post-mining land use is: \_\_\_\_\_
- ☐ The mining site is public land. As allowed by AS 27.19.030(b), I propose to reclaim it to the following post-mining land use: \_\_\_\_\_
- ☒ The mining site is private property. The private landowner plans to use it for the following post-mining land use: \_\_\_\_\_  
natural area -- no economic use planned

#### 6. ATTACHMENTS

- ☐ If the mining operation has additional owners, operators, or leaseholders not shown on p. 1 of this form, attach a list of their names, addresses, and telephone numbers.
- ☒ Attach a USGS map at a scale no smaller than 1:63,360 (inch to the mile) showing the general vicinity of the mining operation and the specific property to be mined. Option: If you checked Box C on the first page of this form and the mining site is adjacent to an airport or public highway, state the name of the airport or the name and milepost of the public highway.
- ☒ Attach a diagram of the mined area (this term includes the extraction site, stockpile sites, overburden disposal sites, stream diversions, settling ponds, etc.) and the mining operation as a whole (this term includes the roads you plan to build, your power lines, support facilities, etc.). Show and state the number of acres to be mined during the year. (If you checked Box A or B on the first page of this form and your plan covers more than one year, show each year's work.) Show the location corners or property boundaries of the site in relation to the reclamation work and any other areas affected by the operation.
- ☒ Attach a list of the equipment (type and quantity) to be used during the reclamation activity.
- ☒ A time schedule of events must be attached that includes dates and activities related to this reclamation plan.
- ☒ If the site is private land not owned by the miner, attach a signed, notarized statement from the landowner indicating the landowner's consent to the operation. The landowner may also use the consent statement to notify the department that the landowner plans a post-mining land use incompatible with natural revegetation and therefore believes that reclamation to the standard of AS 27.19.020 is not feasible.
- ☐ For those miners that are required to file an annual reclamation statement, attach photographs and/or videotapes dated and described as to location of the reclamation activity that was completed.
- ☐ If you propose to use reclamation measures other than those listed on this form, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures, attach a list of those measures.

7. RECLAMATION BONDING (REQUIRED ONLY IF YOU CHECKED BOX A or B ON THE FIRST PAGE OF THIS FORM)

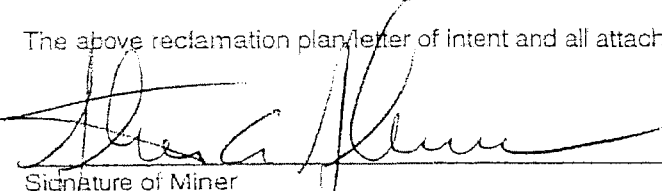
The total acreage of my mining operation that is subject to the bonding requirement for the current year is \_\_\_\_\_ acres (add acreages stated in Section 3(a) and 3(d) of this form).

The per-acre bond amount is \$750/acre or a total bond amount of \$\_\_\_\_\_.

Please check the appropriate bonding method that you will apply toward this reclamation plan:

- ☐ Participation in the statewide bonding pool.
- ☐ Posting a corporate surety bond.
- ☐ Posting a personal bond accompanied by a letter of credit, certificate of deposit, or a deposit of cash or gold.
- ☐ Posting a bond or financial guarantee with another government agency that has jurisdiction over the mining operation, as allowed by a cooperative management agreement between that agency and the Division of Mining, Land and Water.
- ☐ Posting a general performance bond with a state agency that meets the requirements of 11 AAC 97.400(4).

The above reclamation plan/letter of intent and all attachments are correct and complete to the best of my knowledge.

  
Signature of Miner

05/24/05

Date

Brata Environmental & Engineering  
Services Corp.

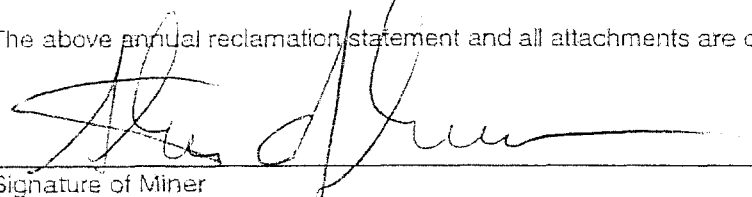
AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

8. ANNUAL RECLAMATION STATEMENT—REQUIRED IF YOU FILED A LETTER OF INTENT (CHECKED BOX C ON THE FIRST PAGE) FOR THIS OPERATION. DUE DATE: DECEMBER 31, \_\_\_\_\_. YOU MUST FILE EVEN IF THE MINING DESCRIBED IN YOUR LETTER OF INTENT DID NOT TAKE PLACE.

This 2005 annual reclamation statement is for:  
(year)

- a. \_\_\_\_\_ acres Total acreage mined.
- b. 302 cu. yds. Total volume mined or disturbed, including overburden.
- c. \_\_\_\_\_ acres Total acreage reclaimed.
- d. \_\_\_\_\_ acres Cumulative total of unreclaimed acreage.
- e. Reclamation measures that were used (check appropriate measures from Section 4, DESCRIPTION OF THE RECLAMATION OPERATION, and attach list of additional or stricter measures if applicable).

The above annual reclamation statement and all attachments are correct and complete to the best of my knowledge.

  
Signature of Miner

10/24/05  
Date

Note: The measures checked in Section 4 were used in August 2005 to reclaim the area disturbed.

AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. This information is made a part of the state public land records and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.



## **2005 MATERIAL SUPPLY AND QUARRY OPERATING AGREEMENT**

Savoonga Native Corporation, whose address is P.O. Box 150 Savoonga, Alaska 99769, and Sivuqaq Inc., whose address is P.O. Box 101 Gambell, Alaska 99742, Alaska Native Corporations created pursuant to the Alaska Native Claims Settlement Act, herein referred to as "Owners," and Bristol Environmental & Engineering Services Corporation, whose address is 2000 W. International Airport Road #C-1, Anchorage, Alaska 99502-1116, herein referred to as "Contractor" agree to the extraction of gravel and the operation of the quarry and such other rights as are designated in this contract, subject to the following provisions:

### **1. DESCRIPTION - LOCATION, MATERIAL, AND PRICE:**

**1.1. Quarry Description.** The material source areas covered by this agreement is the borrow site described in the White Alice Site Removal Action St. Lawrence Island, Alaska ~~DACA 85-02-C-0011.~~ *W911KB-04-C-0019* *SAJ*

**1.2. Royalty.** The royalty price for all types of material removed from the Quarry during the Term of this Agreement is:

<u>Material Type</u>	<u>Unit Price</u>
Gravel	\$5.00 (per Cubic Yard)
Overburden from Quarry stockpiled in the Quarry	no charge

Quantities to be determined by truck count.

### **2. EXCLUSIVE RIGHTS AND DUTIES:**

Owner hereby grants to Contractor and Contractor accepts from Owner, the exclusive right to manage and operate the Quarry for the Term of this Agreement (defined in ¶3). Management and operation of the Quarry shall include, without limitation, the following:

**A.** The exclusive right to manage the extraction and removal of Materials from the Quarry;

**B.** The exclusive right, to secure access to the Quarry to avoid an attractive nuisance and deter unauthorized extraction of Materials therefrom, up to and including, fencing the perimeter and/or access to the Quarry;

C. The duty to perform all reclamation identified in the Letter of Intent (section 5).

3. **TERM:**

The term of this Agreement ("term") shall commence on May 1, 2005 and expire on December 31, 2005.

4. **PAYMENTS AND DEPOSITS:**

A. Contractor shall remit to the owner "surface disturbance" payment in the amount of \$5,000 prior to the cessation of work for winter or completion or termination for any year during which contractor extracts or transports gravel from the Quarry.

B. Within 30 days after the cessation of work for winter, or completion or termination, Contractor in any year in which the Contractor extracts or transports gravel from the Quarry, Contractor shall pay payments as described in Paragraph 1.2.

5. **LETTER OF INTENT/ANNUAL RECLAMATION STATEMENT:**

A. By <sup>JUNE 5th</sup> May 15, 2005 and prior to commencing any operations in any Quarry subject to this Agreement, the Contractor shall file a "Letter of Intent" (Letter) with the State of Alaska Department of Natural Resources, Division of Land (Division of Land) as required by State law. The contractor shall also file an "Annual Reclamation Statement" (Statement) with the Division of Land as required by State law. The Statement shall be filed before December 31 of any calendar year during which Quarry operations were carried out under this Agreement.

B. Two weeks prior to submitting its Letter of Intent with the State the Contractor shall provide a copy of the Letter of Intent to the Owners as listed in Paragraph 18 with a copy to FORTIER & MIKKO, P.C. for review and comment.

6. **RECLAMATION PLAN:**

Contractor shall comply with the requirements of the Letter (section 5) regarding reclamation. The Contractor shall document reclamation activities per the Statement (section 5).

7. **CONFLICT WITH CONTRACT:**

In the event that any provision of this Material Supply Contract and Quarry operating Agreement shall conflict with Contractor's Contract with the Corp. of Engineers, for the White Alice Site Removal Action St. Lawrence Island, Alaska ~~DACA 85-02-C-0011~~ SA

W911KB-04-C-0019

~~DACA 85-02-C-0011~~ shall control and this Agreement shall be considered amended to bring it into conformity with ~~DACA 85-02-C-0011~~.

W911KB-04-C-0019. S.H.S.

8. INSPECTION OF QUARRY:

Prior to commencing any operations at the Quarry, authorized representatives of Contractor and Owners shall inspect the Quarry to determine whether and to what extent prior mining operations have resulted in visual environmental contamination that requires remediation. Contractor shall have no obligation to perform remediation of contamination discovered at this inspection; provided, however, that from the date of such inspection Contractor shall be liable for all hazardous materials deposited at the Quarry as a result of Contractor's operations during the term hereof, or any extension. Failure by the parties to do so shall not affect the enforceability of this Agreement, provided Contractor prepares and transmits its environmental findings to Owners, at its address set forth in ¶26, below in writing, before beginning Operations.

9. TOPSOIL AND OVERBURDEN:

Topsoil and overburden shall be segregated for future use in the Quarry for reclamation pursuant to the requirements of 11 AAC 97.200(a)(2) or its successor, and Contractor shall have no obligation to pay Owners for such topsoil and overburden unless the same is sold; provided, however that prior to any sale of topsoil, the price and terms of the sale must be agreed upon in a writing executed by Owners and Contractor, and Owners shall be paid not less than \$3 per cubic yard for any such sale.

10. BOOKS AND RECORDS OF ACCOUNT:

Contractor shall maintain accurate and complete records, log books and books of account documenting: (a) the volume of gravel extracted from the Quarry seasonally and submitted to Owners; (b) the amounts due and payable by Contractor and; the amounts actually paid by Contractor to Owners pursuant to this Agreement.

Materials from the Quarry shall be measured by truck loads. The truck count shall be performed and recorded by the scale house attendant maintained on site by the Contractor. The scale house attendant will provide the truck count to the Contractor's Site Superintendent or his designee on a daily basis. The Site Superintendent will provide a summary of the truck count to Owner within five business days of receiving a request from the Owner. Without request, the site supervisor shall provide a summary of the truck count to Owner within five business days after cessation of work for the winter.

11. **OPERATING REQUIREMENTS:**

W911KB-04-C-0019 515  
11.1. **Standards of Operations.** Contractor shall excavate and remove Material from the Quarry in compliance with all laws, regulations, ordinances, orders and its contract with the Corps ~~DACA 85-02-C-0011~~. Contractor shall conduct and maintain its Operations in a commercially reasonable, workman like and clean manner, and shall take all necessary precautions to prevent or suppress fires and to prevent erosion, contamination or destruction of the land and adjacent wetlands and waters. The Contractor agrees to carry out its quarry operations only in areas previously disturbed by others at the Quarry site.

11.2. **Supervision.** Contractor shall maintain adequate supervision at all times when Operations are in progress to ensure compliance with the provisions of this contract and all applicable federal, state, and local laws and regulations.

11.3. **Agents.** The provisions of this Contract apply with equal force upon any agent, employee, or contractor designated by Contractor to perform any of the Operations under this contract. Contractor is liable for the noncompliance caused by any such agent, employee, or contractor.

11.4. **Grave Sites or Archaeological Sites.** No grave or archaeological site shall be in any way disturbed, removed, or damaged. Upon encountering any grave or archaeological site, Contractor shall immediately cease work in the area of the site and shall immediately notify Owners.

12. **COMPLIANCE WITH APPLICABLE LAWS:**

Contractor shall comply with all local, State and federal laws, statutes, ordinances, rules, regulations, decrees, injunctions, orders and codes now or hereafter applicable to the operation or management of the Quarry during the term of this Agreement, including without limitation, mining reclamation, mining safety and health (i.e., "MSHA") and occupational safety and health (i.e., "OSHA"). These laws and regulations are, by this reference, made a part of this Contract.

13. **REQUIRED PERMITS:**

Contractor shall obtain and maintain, at its expense and throughout the Term, all licenses, permits, approvals, consents and certificates from local, state and federal authorities which may be necessary or appropriate for its management and operation of the Quarry.

14. **INDEMNITY:**

Contractor and Owners shall mutually defend, indemnify and hold each other, its

officers, directors, employees and agents harmless from and against any and all claims, demands, actions, liabilities, and/or damages arising out of or related to Operations at the Quarry, including but not limited to claims for personal injury or death, and damages for accidents or fire, nuisance, or failure to comply with applicable laws and regulations. Contractor will keep all goods, materials, furniture, fixtures, equipment, machinery, and other property at the Quarry at its sole risk, and will hold Owners harmless from any claim of loss or damage to them by any cause.

**15. ASSIGNMENT:**

This contract may be assigned or transferred pursuant to 30 days advance notice to Owners.

**16. PERMITS:**

Any permits necessary for Operations under this Contract must be obtained by Contractor before commencing those Operations.

**17. WARRANTIES:**

This sale is made without any warranties, express or implied, as to quantity, quality, merchantability, profitability, or fitness for a particular use of the Material to be extracted from the Quarry under contract. Contractor specifically waives any claims that may arise resulting from the use of the Material.

**18. NOTICES:**

All notices and other documents required or authorized under this Contract must be in writing and are deemed delivered upon receipt provided that the same are sent certified mail, postage paid, to the party to which the same is mailed the following address or such other address as such party may, by written notice provide:

To the Owner:      Savoonga Native Corporation  
                            P. O. Box 160  
                            Savoonga, AK 99769  
  
                            Sivuqaq Inc.  
                            P.O. Box 101  
                            Gambell, AK 99742-0101

with a copy to FORTIER & MIKKO, P.C. 101 W. Benson Blvd., Suite 304, Anchorage, AK 99503.

To the Contractor: Bristol Environmental & Engineering Services Corporation  
2000 W. International Airport Road #C-1  
Anchorage, Alaska 99502-1116

19. **INTEGRATION AND MODIFICATION:**

This Contract, including all laws and documents that by reference are incorporated in it or made a part of it, contains the entire agreement between the parties. This Contract may not be modified or amended except by a document signed by both parties to this contract. Any amendment or modification which is not in writing, signed by both parties, is null and void and of no legal effect.

20. **SEVERABILITY OF CLAUSES OF CONTRACT:**

If any provision of this Contract is adjudged to be invalid, that judgment does not affect the validity of any other provision of this Contract, nor does it constitute any cause or action in favor of either party as against the other.

21. **CONSTRUCTION:**

Words in the singular number include the plural, and words in the plural number include the singular.

22. **HEADINGS:**

The headings of the numbered paragraphs in this Contract shall not be considered in construing any provisions of this Contract.

23. **"EXTRACTED," "EXTRACTION":**

In this Contract, use of the terms "Extracted" and "Extraction" encompasses the severance or removal, as well as extraction, by Contractor of any Material covered by this Contract.

24. **WAIVERS:**

No agent, representative, or employee of Owners has authority to waive any provision of this Contract unless expressly authorized to do so in writing by the Presidents of Savoonga Native Corporation and Sivuqaq Inc.

25. **GOVERNING LAW:**

This Contract shall be governed by and construed in accordance with Alaska law. Venue and jurisdiction shall lie exclusively in the Superior Court for the State of Alaska, Third Judicial District, at Anchorage, Alaska.

26. **EFFECTIVE DATE:**

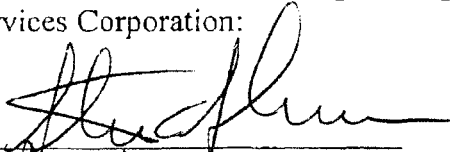
This Contract shall be effective this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

27. **COUNTERPART DOCUMENTS:**

This Agreement may be signed in counterpart copies the signature pages of which may be combined to form a complete original documents. By signing this Contract, Owner, and Contractor, agree to be bound by its provisions as set out above.

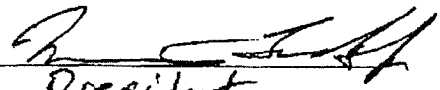
**CONTRACTOR:**

Bristol Environmental and Engineering  
Services Corporation:

By:   
Its: Project Manager

**OWNER:**

Savoonga Native Corporation:

By:   
Its: President

Sivuqaq Inc.

By: \_\_\_\_\_  
Its: \_\_\_\_\_

## **APPENDIX J**

### **Field Notes**



## **Larry Pederson Notes**

Book 1 of 2

"*Rite in the Rain*"  
ALL-WEATHER WRITING PAPER



## HORIZONTAL LINE

All-Weather Notebook  
No. 391

NE Cape
July 6 - Aug 8, 2005
Larry Pederson

5 1/2" x 7" - 48 Numbered Pages

7/6/05 - Wednesday  
Arrived @ 18:30

Had orientation & dinner  
until 1930.

End of Day

*James W. Redman*  
7/6/05

7/7/05 - Thursday

~~0700~~ - <sup>LWP 7/7/05</sup> ~~Begin AT~~  
Morning Safety Mtg

0730 - Begin ATV training  
finished @ 1130.

1200 - Check field supplies

1230 - Lunch

1300 - Visit Sites to see what  
needs to be done w/ Hank

1500 - Transfer files to IVE Cape  
Servers.

1530 - Transfer supplies to Server  
IT Room / Fill out HVS Forms

1630 - Check & Load Tools into Blazer  
w/ Carl.

1730 - Finish Organizing Office

1830 - End of Day *James W. Redman*

7/8/05 - Friday

07:00 - Morning Tail gate meeting  
08:30 - Talk w/ Steve + Michelle  
about sampling

08:45 - met w/ Hank, Rollie, Mac  
about how sampling activities  
to be performed.

10:00 - Hank + I up to <sup>excavation</sup> sites  
to perform measurements  
on sites w/ multiple depths.

12:00 - Finish notes and verify data  
@ office.

12:30 - Lunch

13:00 - Check on Refrigerator/Decontamination  
+ Concrete progress.

15:30 - Placed + Record 4 Baker  
Pikes of Concrete.

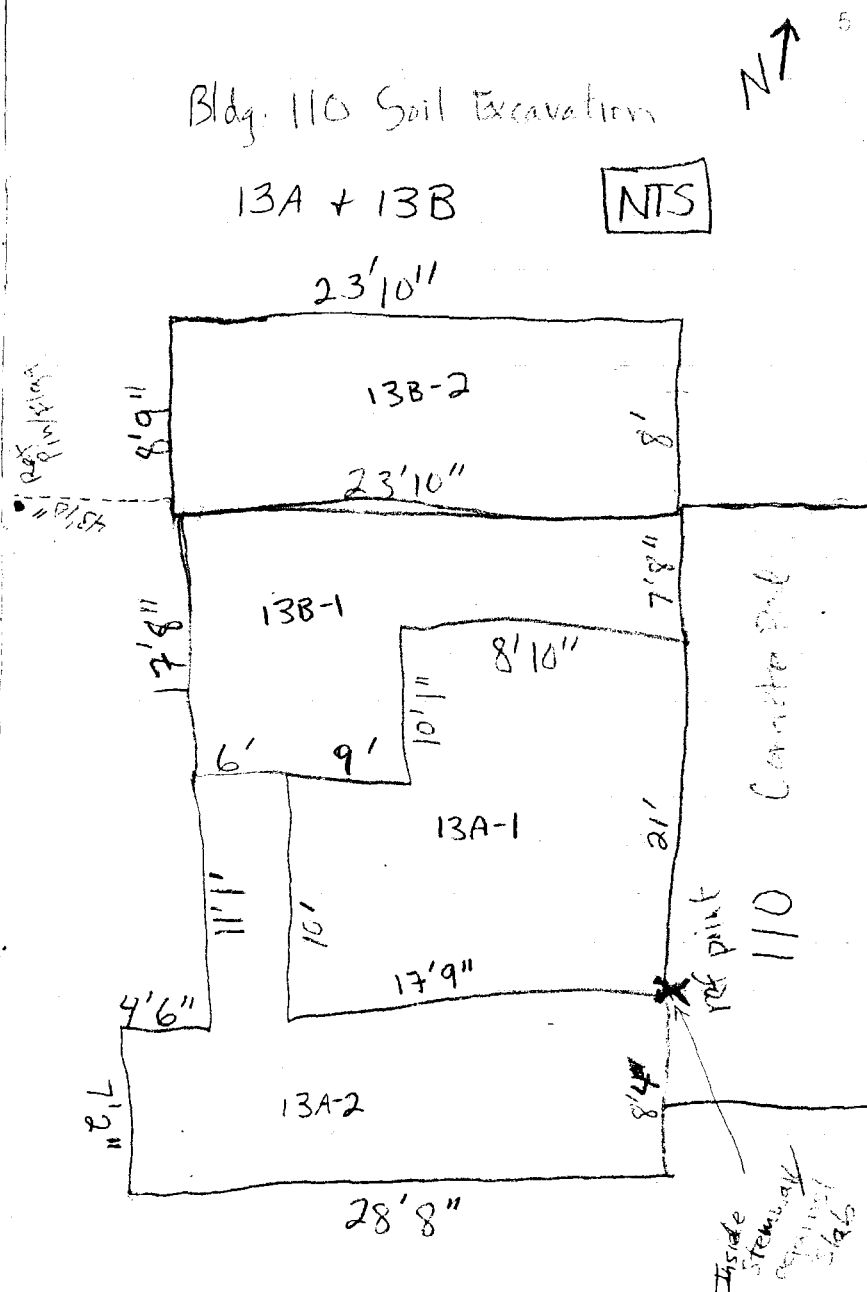
Met w/ Rollie, Mac, Hank about  
what to do with Bldg. 110 Concrete  
Pod that was found. Helped Carl +  
Mac of turn pt. Tried to find  
Refrigerator Cartridges

18:30 - End of Day.

Bldg. 110 Soil Excavation

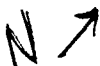
13A + 13B

NTS



# Site 31 Soil Excavation

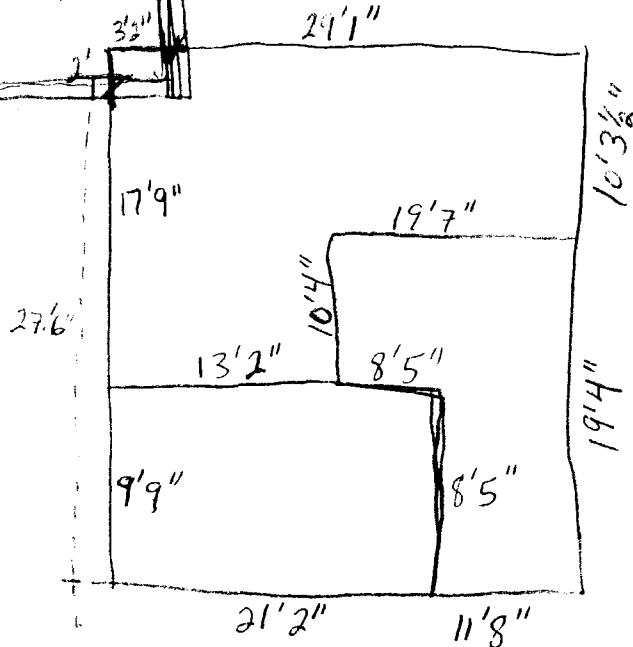
31A



Ref. Points on inside of stem wall

All lengths are measured from inside of stem wall

18'4"  
1'10"  
Concrete  
pad  
Room



NTS

X Reference Point  
47'6" Flag

7/9/05 - Saturday

- 07:00 - Safety Mtg.
- 07:30 - Plan sample procedures & 109 w/ Hank
- 08:30 - Start Preping for samples getting Fridges / freezer & get ice ready
- 9:30 - Went to site to find supplies
- 10:30 - End of Day due to high winds

End of Day

Jay L. Pelt

End of Day

Jay L. Pelt

7/10/05 - Sunday

- 1030 - Safety Meeting
- 1045 - Sample planning / Refrig prep.
- 12:00 - Prelabel Sample jars for 109 Creek pool.
- 16:30 - To site and set up sample pits  
1 conc. pads are ready for sampling  
Revised Connex etc.

- 1700 - create cooler shipping labels
- 18:30 - End of Day

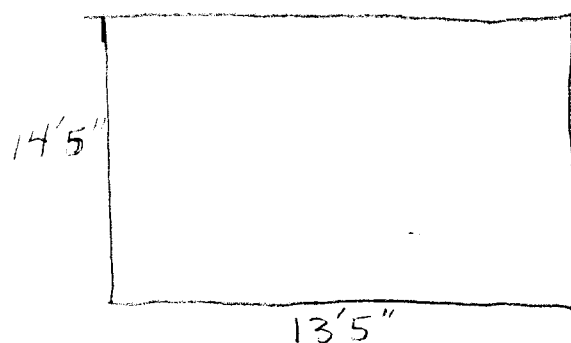
End of Day  
*[Signature]*

7/11/05 - Monday

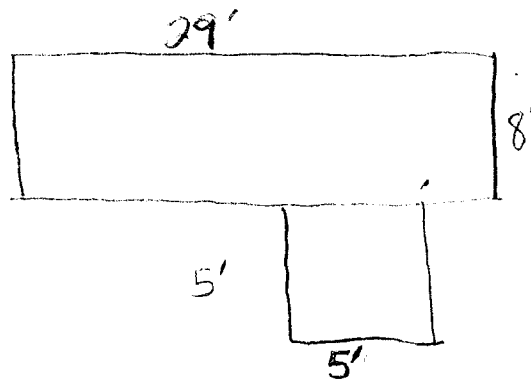
- 0700 - Safety Mtg.
- 0730 - <sup>check</sup> Retridge, not working, transfer  
gel-ice to cools freezer  
Double check waste track forms against <sup>wt</sup> tickets
- 0900 - Timecard, call to Steve J. +  
?'s for M. Turner
- 0930 - Set up typewriter for Manifests  
prep, figure out prioritization of  
samples and how many. Determine  
to do soil samples first, then  
concrete.
- 1100 - Hank and I to double check a  
few <sup>soil</sup> excavation sites dimensions  
against figures.
- 1230 - Lunch
- 1300 - Determine How many more  
ENSYS samples are needed
- 14:00 - Talk to Steve about ~~ordering~~  
11200 ENSYS Kits.
- 1500 - Remark soil excavation areas  
min & max sized off.
- 1630 - Pre-enter data for soil sampling  
into Sample Log, timesheet, real work  
Plan
- 1830 - End of Day

# Soil Excavation Area Site 110

Excavation 13C NTS NT



Excavation 13D + 13E



7/12/05 - Tuesday

0700 - Safety Mtg.

0730 - Pictures of Clean-up areas around Camp Birch Rd. + Beach near Ganes camp

0830 - Placarding Finished up 4 Baker Boxes recorded on 7/10

1030 - Respiration Use Review & fill out paperwork

1230 - Lunch

1300 - Work on Fridge

1400 - Gather Soil Sample Jars & pre-label lids

1600 - Check site sample areas

1830 - End of Day

END OF DAY

End of Day

7/12/05

7/13/05 - Wednesday

0700 - Safety Mtg.

0730 - Site Check

0830 - Read SAP to double check that I  
have procedures correct.

0900 - Call Steve Crupi w/ 2's about  
SAP? Soil + Concrete Sampling

1100 - Prelabel Soil Sample jars

1230 - Lunch

1300 - Get Figures + Info. ready to  
have on site during soil  
excavations

1600 - Helped unload Plane + line  
2 Baker Boxes.

1830 - End of Day

7/14/05

0700 - Safety Mtg.

0730 - Begin Soil Excavations @ Site 31

1001 MEC

10:00 - Stop ~~Excavating~~ <sup>CWP</sup> Excavating  
High Winds.

Start Helping to line Baker  
Boxes.

12:30 - Lunch

1300 - Placarding + Close <sup>2</sup> soil containers  
up.

1600 - Help guys w/ connects  
filling

1830 - End of Day.

End of Day  
*[Signature]*



7/15/05 - Friday

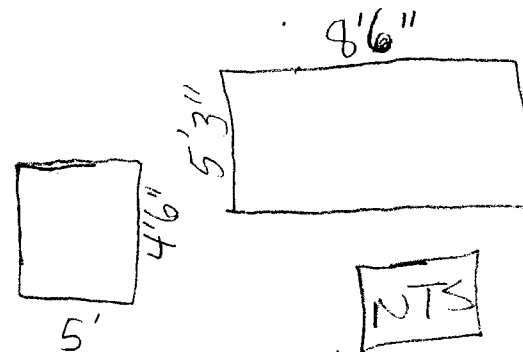
- 0700 - Safety Mtg.
- 0730 - Start Excavating @ Site 31
- 1030 - Finish + move to site 98
- 1045 - Start digging at 98
- 1145 - Done w/ site 98
- 1200 - Move to Site 7
- 1230 - Lunch
- 1300 - Begin Digging @ Site 7
- 1430 - Done w/ Site 7
- 1500 - Arrive @ Site 13 Bldg. 110
- 1530 - Excavate #'s 13D + E
- 1600 - ~~Go~~ Finish Digging for day  
Batteries dead on Excavator
- 1630 - Flacarding Boxes weighed today
- 1800 - Finish Flacarding + recording  
# convex weights
- 1830 - End of Day

End of Day

Jerry Pedler

Site 98 14A+B

NT



Actual Measurements

End of Day

Jerry Pedler

7/16/05 - Saturday

0700 - Safety Mtg.

0715 - To site to oversee concrete  
removal @ Mtg. 11C + remark  
soil excavation area

0830 - Prep. Mtg. for Sampling

0900 - Oversee soil excavations  
@ Bldg. 110.

1230 - Lunch

1300 - Excavations @ Bldg. 110.

1830 - End of Day

7/18/05 - Monday

0700 - Safety Mtg.

0715 - Sample jar + equip prep

0800 - To field w/ Jake to collect  
samples (soil).

End of Day

Frankie

Sample #	Depth	Location	Date	Time	Sample #	Depth	Location	Date	Time
1	6 inches	31-A1	7/18/05	10:50 AM	27	6" inches	14B	7/18/05	13:50 P.M.
2	6 inches	31-A1		10:55 AM	28	6" inches	14B		13:55 P.M.
3	6 inches	31-A1		10:58 AM	29	2' W	7A		14:10 P.M.
4	6 inches	31-A1		11:05 AM	30	2 1/2"	7A		14:15 P.M.
5	6 inches	31-A1		11:20 AM	31	2 1/2"	7A		14:20 P.M.
6	6 inches	31-A1		11:30 AM	32	1' FT	7B		14:25 P.M.
7	1 1/2"	31A-2		11:35 AM	33	1' FT	7B		14:30 P.M.
8	1 1/2"	31A-2		11:40 AM	34	1' FT	7B		14:35 P.M.
9	2'	31A-3	7/21/05	12:00	35 QC				
10	2'	31A-3		12:05	36 QA				
11-QC					37	1 1/2"	7C		14:40 P.M.
12-QA					38	1 1/2"	7C		14:45 P.M.
13	2'	31A-3	7/21/05	12:10	39	1 1/2"	7C		14:50 P.M.
14	2'	31A-3		12:15	40	2' FT	7D		14:55
15	6 inches	31B	7/18/05	11:45 AM	41	2' FT	7D		15:00
16	6 inches	31B		11:50 AM	42	2' FT	7D		15:05
17	6 inches	31B		11:55 AM	43	1' FT	7E		15:10
18	6 inches	31C		12:05 PM	44	1' FT	7E		15:15
19	6 inches	31C		12:10 PM	45	1' FT	7E		15:20
20	6 inches	31C		12:15 PM	46	1' FT	7F		15:25
21	1' FT	14A		13:30 PM	47 QC				
22	1' FT	14A		13:35 PM	48 QA				
23 QC					49	1' FT	7F		15:30
24 QA					50	1' FT	7F		15:35
25	1' FT	14A		13:40 PM	51	1' FT	13E		15:40
26	6 inches	14B		13:45 PM	52	1' FT	13E		15:45

Return Later Date  
 Sample, pit full of  
 water

Sample #	Depth	Location	Date	Time
53	1 ft	13E	7/18/05	16:00
54	6 inches	13D		16:05
55	6 inches	13D		16:10
56	6 inches	13D		16:15
57	1 1/2"	13C		16:30
58	1 1/2"	13C		16:35
59 QC				
60 QA				
61	1 1/2"	13C		16:40
62	1 1/2"	13B-2		17:40
63	1 1/2"	13B-2		17:45
64	1 1/2"	13B-2		17:50
65	2 1/2"	13B-1		17:55
66	2 1/2"	13B-1		18:00
67	2 1/2"	13B-1		18:05
68	2 1/2"	13B-1		18:08
69	2 1/2"	13B-1		18:12
70	2 1/2"	13B-1		18:15
71 QC				
72 QA				
73	2 1/2"	13A-1		18:18
74	2 1/2"	13A-1		18:20
75	2 1/2"	13A-1		18:22
76	2 1/2"	13A-1		18:24
77	2 1/2"	13A-1		18:26

7/18/05- Monday  
All Soil Samples collected are analyzed for PCB's.

Soil Sample 43 - taken above a buried Drum

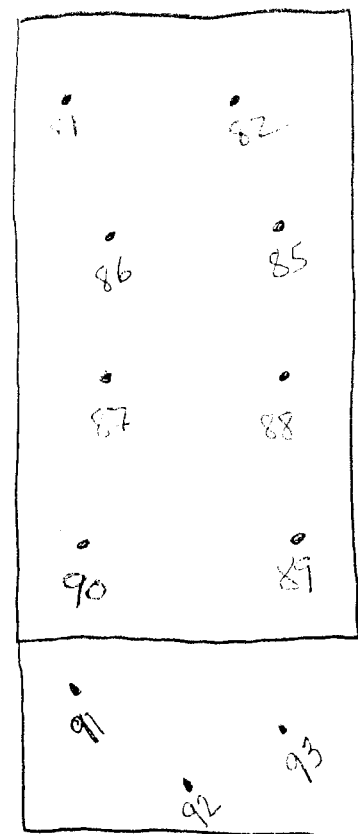
Sample #	Depth	Location	Date	Time
78	1 1/2"	13A-2	7-18-05	18:28
79	1 1/2"	13A-2		18:30
80	1 1/2"	13A-2		18:32
81	6"	1001-A	7-19-05	07:55
82	6"	1001-A		0800
83 QC				
84 QA				
85	6"	1001-A		0805
86	6"	1001-A		0810
87	6"	1001-A		0815
88	6"	1001-A		0820
89	6"	1001-A		0825
90	6"	1001-A		0830
91	6"	1001-G		0835
92	6"	1001-G		0840
93	6"	1001-G		0845

Sample #	Depth	Location	Date	Time
94	6"	1001-C	7-17-05	11:05 AM
95 QC				
96 QA				
97	6"	1001-C		11:10
98	6"	1001-C		11:15
99	6"	1001-E		11:20
100	6"	1001-E		11:25
101	6"	1001-E		11:30
102	6"	1001-F		11:35
103	6"	1001-F		11:40
104	6"	1001-F		11:45
105	6"	1001-F		11:50
106	6"	1001-F		11:55
107 QC				
108 QA				
109	6"	1001-F		12:00 P.M.
110	6"	1001-F		12:05
111	6"	1001-F		12:10
112	6"	1001-F		12:15
113		110	7/22/05	
114		110		see pg.
115		110		35

7/19/05 - Tuesday  
 0700 - Safety Mtg.  
 0715 - Soil Sampling  
 0845 - Tel Con Mtg.  
 1001 - Room A + G Sample Locations

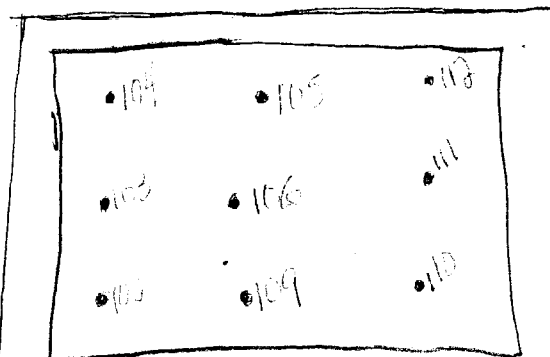
N ↑

NTS

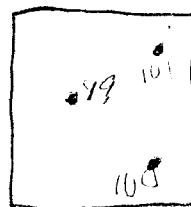


Bldg. 1001 - Corrosion - E-F Sampling

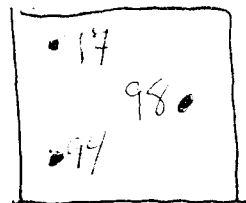
NTS



Rm. F



Rm E



Rm. C

# Container Waste Concrete Characterization

40 ppm (below or above)

Container #	Ensys Result
QC	-0.28
PNWS 8006	0.79
PNWS 8005	1.10
PNWS 8133	1.12
PNWS 8141	0.89
PNWS 8093	0.91
PNWS 8113	1.04
PNWS 8084	0.81
PNWS 8028	1.02
PNWS 8027	0.83
PNWS 8094	0.99
PNWS 8027	1.12

All less than 40 ppm

QC -0.30

Actually Run on 7/22/05 - Friday

7/20/05 - Wednesday

Office - Safety Mtg.

0715 - Prep area for Ensys Sampling

0915 - Begin Ensys

1245 - Lunch

1400 - Ensys

1615 - Dinner

1800 - Ensys

0130 - End of Day

Intentionally Blank

Ensys Zero Check w/ Bottled  
Water

Readings = +0.01 Zero limits are  
good.

7/20/05 - Wednesday

Sample #	Ensys Result
QC 1200	-0.03 under -0.3 g <sub>40</sub>
51 1200	0.12 <0.5 ppm PCB
52 1	-0.32 >0.5
53	1.18 <0.5 ppm PCB
54	0.11 <0.5 ppm PCB
55	1.12 <0.5 ppm PCB
56 1400	-0.37 >0.5 ppm PCB
57	0.56 <0.5
58	0.12 <0.5
61	-0.23 >0.5 very damp
1	-0.51 >0.5 Saturated w/ water
QC-0.11	-0.52 >0.5
3	0.25 <0.5
4	-0.42 >0.5 very damp
5	-0.50 >0.5 Saturated w/ water
6	-0.54 >0.5 Saturated w/ water
7	-0.51 >0.5
8	-0.38 >0.5
9	Not Sampled Pot full, etc
10	
11	
13	
14	

Sample #	Time	Ensys Result
QC	1815	-0.06
15		-0.65
16		-0.65
17		-0.60
18		-0.14
19		-0.56
20		-0.58
21	1930	-0.58
22		-0.43
25		-0.61
26		-0.11
27		-0.30
28		-0.47
QC	2115	-0.10
29		0.57
30		1.09
31		-0.29
32		0.74
33		0.44
34		0.35
QC	2245	-0.09
37		0.30
38		0.62
39		0.55
40		0.67

water  
saturation

↓  
Damp

↓

Sample #	Time	Ensys Result
41		0.02
42		0.71
QC	0010	-0.07
43		-0.35
44		-0.63
45		-0.62
46		0.29
49		0.29
50		0.31
51		

END OF DAY

*James W. Pelt*



7/21/05 - Thursday  
 07:00 - Safety Mtg.  
 07:15 - Ersys  
 07:30 - Talk to Steve & Michelle  
 08:00 - Eray  
 11:15 - Collect Samples  
 11:50 - Lunch  
 12:00 - Eray  
 12:00 - Set Tails up to crash control  
 12:00 - Samples  
 16:30 - Ersys  
 18:00 - Dinner  
 19:00 - Eray  
 20:00 - End of Day

### Re-collection of Soil Samples

43 - 7/21/05 11:25  
 44 - 11:30  
 45 - ↓ 11:35  
 51 - 11:50  
 52 - 11:55  
 53 - ↓ 12:00

7/21/05 - Thursday		QC = 0.05	Time: 1040
Sample #	Time	Ersys Result	
62	1040	-0.58	
63		-0.42	
64		-0.10	
65		-0.58	
66		-0.31	
67		-0.17	
QC	1505	-0.06	
68		1.02	
69		1.15	
70		1.12	
73		0.96	
74		1.22	
75		1.16	
QC		-0.06	
76		-0.46	
77		-0.41	
78		0.00	
79		0.66	
80		-0.21	
81		1.15	
QC		-0.04	
82		0.89	
85		0.67	
86		1.25	
87		1.07	
88		0.88	

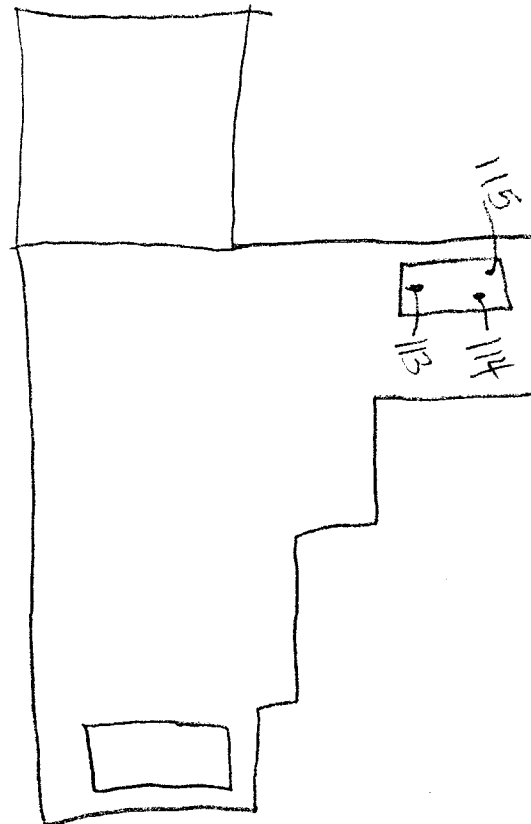
Sample #	Time	Ensys Result
89	2070	1.13
QC		-0.05
90		0.70
91		0.77
92		0.77
93		0.91
94		0.70
97		0.65
QC		-0.03
98		0.84
99	2130	1.17
100		1.12
101		0.02
102		0.97
103		0.60
QC		0.04
104		1.07
105		1.10
106		1.05
107		0.82
110		0.82
111		0.92
QC	2400	-0.03
112		0.80
50 Re		0.87
43 Re		0.32

Sample #	Time	Ensys Result
44 Re		-0.63
45 Re		-0.55
25 <sup>Double</sup> Check		-0.74

*End of Day*  
*July 11, 2011*

Thursday - Friday  
 0700 - Safety Mtg.  
 0715 - Ensys OR General Characterization  
 Samples: See page 25.

FMR. BLDG. 110



Sample 113	7/22/05	1045
114	↓	1050
115	↓	1055

Sample #	Time	Ensys Result
QC	1200	-0.17
113		-0.59
114		0.68
115		0.64

locate <sup>well</sup> Samples 29, 30, & 31

29 - 1550 - 7/22/05

30 - 1555 -

31 - 1600 -



Sample #	Time	Date	Fraser's Result
29 Re	↑	7/22/05	-0.69
30 Re	↑		-0.44
31 Re	↑		-0.42
QC	1705		-0.01

7/25/05 - Mondays in ANC

Michelle Turner + Patricia helped gather samples to be sent to lab, put on COC's + brings to lab. (also labeled).

End of Day

Angie W. Adair

8/2/05 - Tuesday

7am - Hough to NE Cape

1300 - Arrive NE Cape

1530 - get settled / Enter data in <sup>Waste +</sup> <sub>Logg.</sub>

1930 - helped w/ loading toke boxes  
and containers in Shipment  
1A.

2050 - finished

End of Day

Farryll W. Pehr

8/3/05 - Wednesday

7am - Safety Mtg.

0800 - Start Planning concrete Sampling

0900 - Telecon. Mtg. w/ COE

0945 - Enter data into Waste +  
Sample logs.

1230 - Lunch

1300 - Plan + Gather Sampling Supplies

1830 - Dinner / End of Day

End of Day

Farryll W. Pehr

8/4/05 - Thursday

0700 - Safety Mtg.

0730 - gather supplies + get ready to  
sample concrete.

0845 - begin concrete samples

1200 - To landing craft help w/ loading  
baker boxes + connex.

1430 - Concrete samples.

1630 - quit <sup>sampling</sup> for day high winds  
and rain.

1700 - setup Ensys sampling  
station / ~~then~~ Enter waste data.

1830 - quit for day

End of Day

~~Larry W. Pele~~

8/5/05 - Friday

0700 - Safety Mtg.

0730 - Prep for sampling

0900 - Concrete Sampling

1230 - Lunch

1300 - Concrete Sampling (tried)

1330 - Gull sampling (too windy) (40 mph gusts)

1400 - Begin Ensys

1830 - End of Day

END OF DAY

~~Larry W. Pele~~

8/5/05 - Friday

All Samples collected were at 0.75 inches deep

Samp. Loc.	Collected		Ensys		Ensys Result
	Time	Date	Time	Date	
QC			1600		-0.10
22A		8/4/05		8/5/05	1.00
B					1.02
C					1.00
23A					1.04
B					1.13
C					1.28
QC			1715	8/5/05	-0.09
24A Soil					1.13
24B Soil					0.89
C					1.05
1A	0945				1.01
B	0950				1.14
C	0955				0.97
QC			1825	8/5/05	-0.07
1D	1000				1.16
2A	1005				0.82
B	1010				1.07
C	1015				1.06
D	1020				1.22
3A	1030				1.01

END OF DAY  
7:17 PM

8/6/05 - Saturday

Crew not working due to rain/high winds

0900 - begin running ensys kits/samples

1230 - lunch

1600 - End of Day

Samp. Loc.	Collected		Ensys		Ensys Result
	Time	Date	Time	Date	
QC			1030	8/6/05	-0.01
3B	1035	8/4/05			0.87
C	1040				1.02
D	1045				1.18
4A	1050				1.00
B	1055				0.96
C	1100				0.93
4D	1105				0.86
5A	1110				0.81
5B	1115				0.76
C	1120				0.96
D	1125				0.99
6A	1130				0.90

Samp Loc.	Collected		Emsys		Emsys Result
	Time	Date	Time	Date	
QC			1405	8/6/05	-0.03
CH	1135	8/4/05			0.88
C	1145				0.90
D	1150				1.08
7A	1505				1.17
B	1510				0.95
C	1515				1.12
QC			1530	8/6/05	-0.26
7D	1525	8/4/05			0.75
SA	1530				0.80
B	1540				0.69
C	0930	8/5/05			0.84
D	0935				0.77
7A	0940				0.73

8/7/05 - Sunday

0700 - Safety Mtg

0730 - Concrete Sample Collection

1130 - Set-up Emsys sampling station

1230 - Lunch

1300 - Run Emsys

Samp Loc.	Collected		Emsys		Emsys Result
	Time	Date	Time	Date	
QC	0		1415	8/7/05	-0.13
9B	0955	8/5/05			0.93
9C	1000				0.83
9D	1005				0.52
10A	1010				0.75
B	1020				0.92
C	1025				1.18
QC			1535	8/7/05	-0.11
10D	1035	8/5/05			0.67
11A	1045				0.54
B	1055				1.01
C	1105				1.01
D	1110				1.07
12A	1120				1.25

End of Day

*[Signature]*



8/7/05 - Sunday  
 Sail Samples: 56<sup>Re</sup> 1552 0.61  
 61<sup>Re</sup> 1555 0.93  
 QC = -0.11

Micro Sample

Sample Loc.	Collected Time	Collected Date	Ensys Time	Ensys Date	Ensys Result
12B	1130	8/5/05	1720	8/7/05	1.05
C	1135	↓	↓	↓	1.00
D	1145	↓	↓	↓	1.11
13A	1150	↓	↓	↓	1.19
QC			1850	8/7/05	-0.07
13B	1200	8/5/05	↓	↓	1.23
C	1205	↓	↓	↓	1.02
D	1215	↓	↓	↓	1.15
14A	1220	↓	↓	↓	1.13
B	0820	8/7/05	↓	↓	1.42
C	0825	↓	↓	↓	1.12
QC		8/7/05	1955	8/7/05	1.18
14D	0830	↓	↓	↓	1.11
15A	0835	↓	↓	↓	1.19
B	0845	↓	↓	↓	1.68
C	0850	↓	↓	↓	1.50
D	0855	↓	↓	↓	1.47
16A	0900	↓	↓	↓	

Sample Loc.	Collected Time	Collected Date	Ensys Time	Ensys Date	Ensys Result
QC			2110	8/7/05	-0.24
16B	0910	8/7/05	↓	↓	0.90
C	0915	↓	↓	↓	0.95
D	0920	↓	↓	↓	0.69
17A	0935	↓	↓	↓	0.88
B	0930	↓	↓	↓	-0.17
C	0935	↓	↓	↓	0.72
QC			2220	8/7/05	-0.26
17D	0940	8/7/05	↓	↓	0.78
18A	0950	↓	↓	↓	0.95
B	0955	↓	↓	↓	0.88
C	1000	↓	↓	↓	0.78
D	1010	↓	↓	↓	1.02
19A	1015	↓	↓	↓	0.90
QC			2350	8/7/05	-0.10
19B	1020	8/7/05	↓	↓	1.00
C	1025	↓	↓	↓	1.02
D	1035	↓	↓	↓	0.77
20A	1040	↓	↓	↓	1.05
B	1045	↓	↓	↓	1.09
C	1050	↓	↓	↓	0.83

Sample Loc.	Collected		Ensys		Ensys Result
	Time	Date	Time	Date	
QC			8/4/65	0130	-0.10
20B	10:55	8/7/65			0.85
21A	1100				0.79
21B	1100				1.05
C	1110				0.94
D	1115				1.00

Site 31 - Bldg. 1001 Sample  
Retake - Sample # 101 R

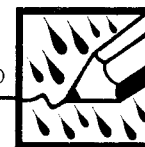
Time	Date	Ensys Result
1810-	8/7/65	0.65

1001 Bldg 1001 8/8/65  
-0.03  
1001 Bldg 1001

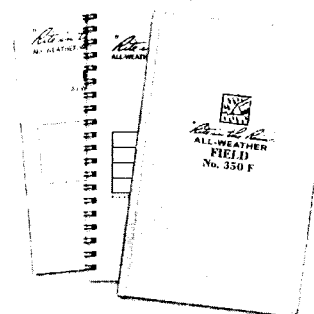
End of Day

*John M. Rite*

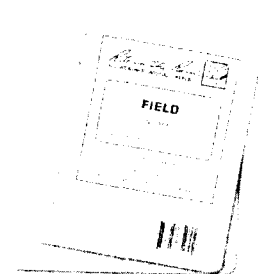
"Rite in the Rain"  
ALL-WEATHER WRITING PAPER



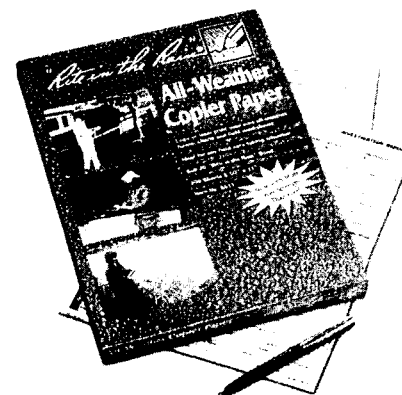
"Outdoor writing products. . .  
for outdoor writing people"



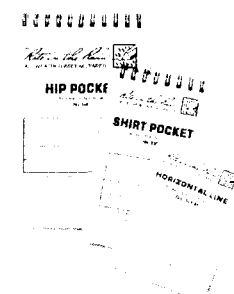
Bound Books / Notebooks



Loose Leaf / Binders



Copier Paper / All-Weather Pens



Memo Books

[www.RiteintheRain.com](http://www.RiteintheRain.com)

## **Hank Seipt and Larry Pederson Notes**

Book 2 of 2



## FIELD

All-Weather Notebook  
No. 351

<i>NE Cape</i>
<i>Hank Seipt + Larry Pederson</i>
<i>8/14/05 - 8/25/05</i>

4 5/8" x 7" - 48 Numbered Pages

9

2

## SITE 31C

SUM	COLLECTED	ENSYS	ENSYS
LOC	TIME DATE	TIME DATE	RESULT
HOLE DEEPENED 2 1 - 1.5'			
QC		2100 8/14/05	-0.15
014/SUB	17:30 8/13/05	2105 8/14/05	-0.59
QC		2100 8/14/05	-0.10
18R	17:10 8/14/05	2143 8/14/05	-0.09
19R	17:15 8/14/05	↓ 8/14/05	-0.05
20R	17:18 8/14/05	↓ 8/14/05	-0.03
END OF SAMPLING			
H. M. Seijt			
HOLE DEEPENED 2 2 FEET			
QC	2100	2104 8/15	-0.04
18R1	11:15 8/15	2105 8/15	0.13
19R1	11:20 8/15	2105 8/15	0.45
* 19D	11:20 8/15	2105 8/15	0.47
20R1	11:25 8/15	2105 8/15	0.48
* DUPLICATE OF 19R1			
END OF SAMPLING			
H. M. Seijt			

## Site 14A+B

SUM	COLLECTED	ENSYS	ENSYS
LOC.	TIME DATE	TIME DATE	RESULT
QC		1125	8/17/05
21	0850 8/17/05	↓	↓
22	0855	↓	↓
25	0900	↓	↓
26	0910	↓	↓
27	0915	↓	↓
28	0920	↓	↓
QC		1445	8/17/05
22	1330 8/17/05	↓	↓
25	1335	↓	↓

4 8/17/05 - Wednesday

0700 - Safety Mtg.

0730 - Excavate Site 98 (14A+B) additional 1.5 ft.

0930 - Run Ensys

1230 - Lunch

1300 - Excavate Site 98 (14A) additional

1400 - Run Ensys 1.5 ft.

1500 - Help field crew w/ site 7.

1830 - End of Day Site 31 Prep for sampling

8/18/05 - Thursday

0700 - Safety Mtg.

0730 - Begin Soil Excavation/Finish lining cans, start pumping

0800 - begin sampling

0910 - Ensys

Sample Loc.	Collected Time	Collected Date	Ensys Time	Ensys Date	Ensys Result
QC			1030	8/18/05	-0.11
15 Re	0855	8/18/05	↓	↓	-0.34
16 Re	0900	↓	↓	↓	-0.05 2.5 ft
17 Re	0905	↓	↓	↓	0.50 ↓
QC			1215	8/18/05	-0.08
15 (3rd)	1110	↓	↓	↓	-0.10 4.5 ft
16 (3rd)	1115	↓	↓	↓	0.52 ↓
QC			1500	↓	-0.07
15 (4th)	1400	8/18/05	↓	↓	0.77
QC			1800	8/18/05	-0.10
6 Re	1640	↓	↓	↓	0.34
7 Re	1645	↓	↓	↓	-0.42
8 Re	1650	↓	↓	↓	0.75
<del>9 Re</del>					

End of Day

*[Signature]*

8/17/05 -

Sample Loc.	Collected		Ensys		Ensys Result
	Time	Date	Time	Date	
7 (3rd)	1120	8/17/05	1320	8/17/05	0.82
QC			↓	↓	-0.05

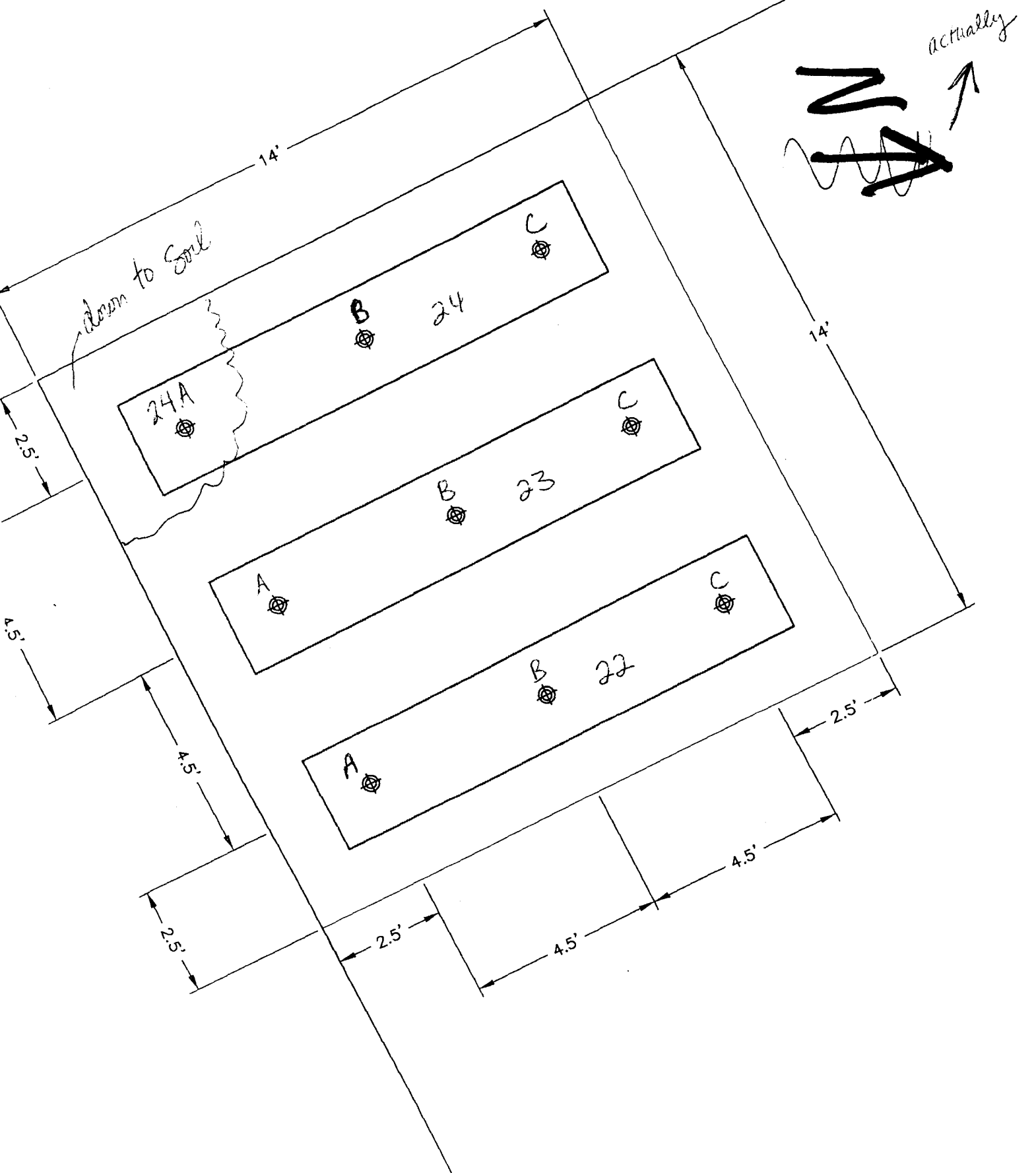
8/25/05 - Thursday

Chlor-d-Test Results on  
2nd Drum w/ crack.  
Mostly water w/ oil  
mixture.

Chlor-d-Test = dark  
purple  
between  
the two  
darker  
purple on  
Color Chart.



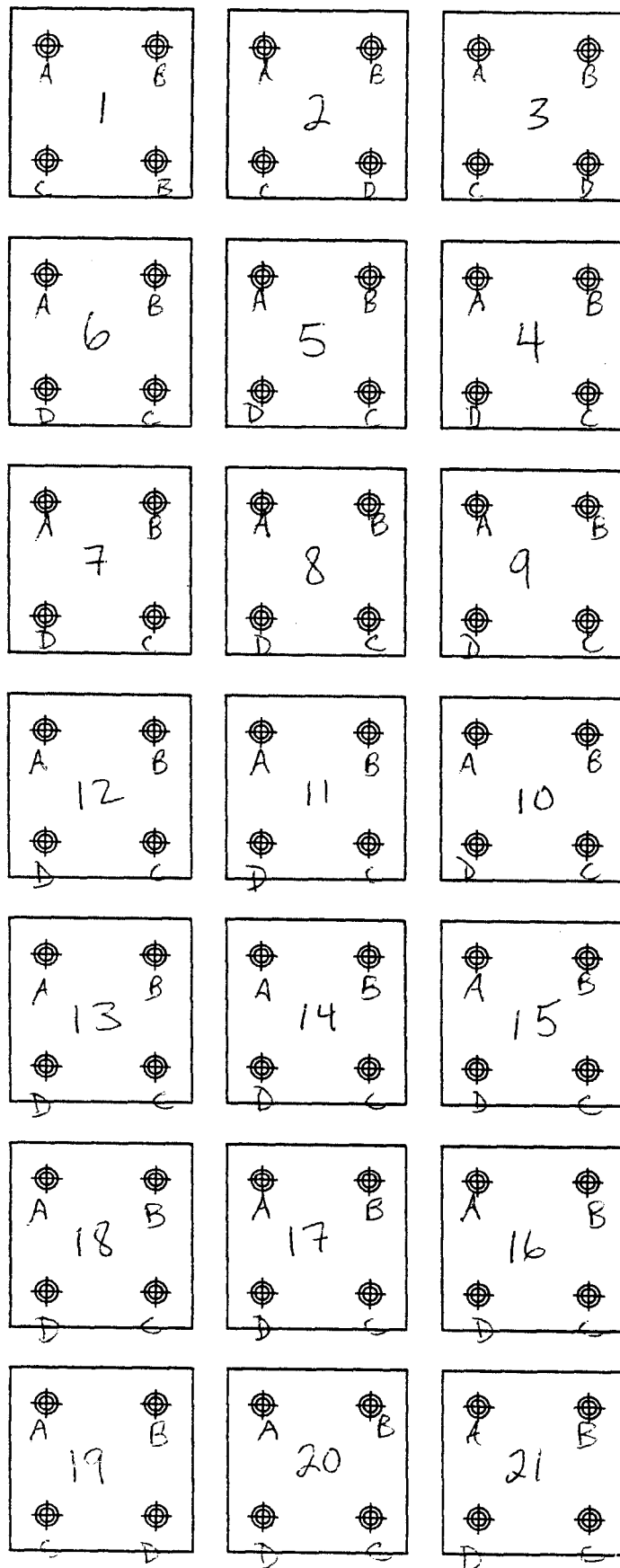
## **Miscellaneous Notes**





DISTANCE (FEET) FROM NW  
CORNER OF SLAB

4.7'  
9.4'  
14.1'  
18.8'  
23.5'  
28.2'  
32.9'  
37.6'  
42.3'  
47.0'  
51.7'  
56.4'  
61.1'  
65.8'



70'

4.0' 8.5' 13.0' 17.5' 22.0' 26.5'  
DISTANCE (FEET) FROM SW  
CORNER OF SLAB

Hand-drawn diagram of a building layout, likely a forensic sketch. The diagram shows a rectangular building with several internal divisions. Key features include:

- Points of Interest:** Numbered points (31-1 through 31-14) are marked along the perimeter and interior of the building.
- Handwritten Notes:**
  - "0.286 ppm" is written near point 31-1.
  - "8.33 ppm" is written near point 31-11.
  - "17.7 ppm" is written near point 31-12.
- Other Markings:**
  - A dashed line runs diagonally across the building.
  - Several dark, irregular shapes are drawn inside the building, possibly representing furniture or debris.
  - A small circle with a dot inside is located near point 31-11.
  - A small circle with a dot inside is located near point 31-12.
  - A small circle with a dot inside is located near point 31-13.
  - A small circle with a dot inside is located near point 31-14.
  - A small circle with a dot inside is located near point 31-1.
  - A small circle with a dot inside is located near point 31-2.
  - A small circle with a dot inside is located near point 31-3.
  - A small circle with a dot inside is located near point 31-4.
  - A small circle with a dot inside is located near point 31-5.
  - A small circle with a dot inside is located near point 31-6.
  - A small circle with a dot inside is located near point 31-7.
  - A small circle with a dot inside is located near point 31-8.
  - A small circle with a dot inside is located near point 31-9.
  - A small circle with a dot inside is located near point 31-10.
  - A small circle with a dot inside is located near point 31-11.
  - A small circle with a dot inside is located near point 31-12.
  - A small circle with a dot inside is located near point 31-13.
  - A small circle with a dot inside is located near point 31-14.

Excavation  
0.5 ft. bgs

Exca  
2.0 ft

Excavatic  
1.5 ft. bg:

W911KB-04-C-0019

## Case 2

Modifications: none

31A-2

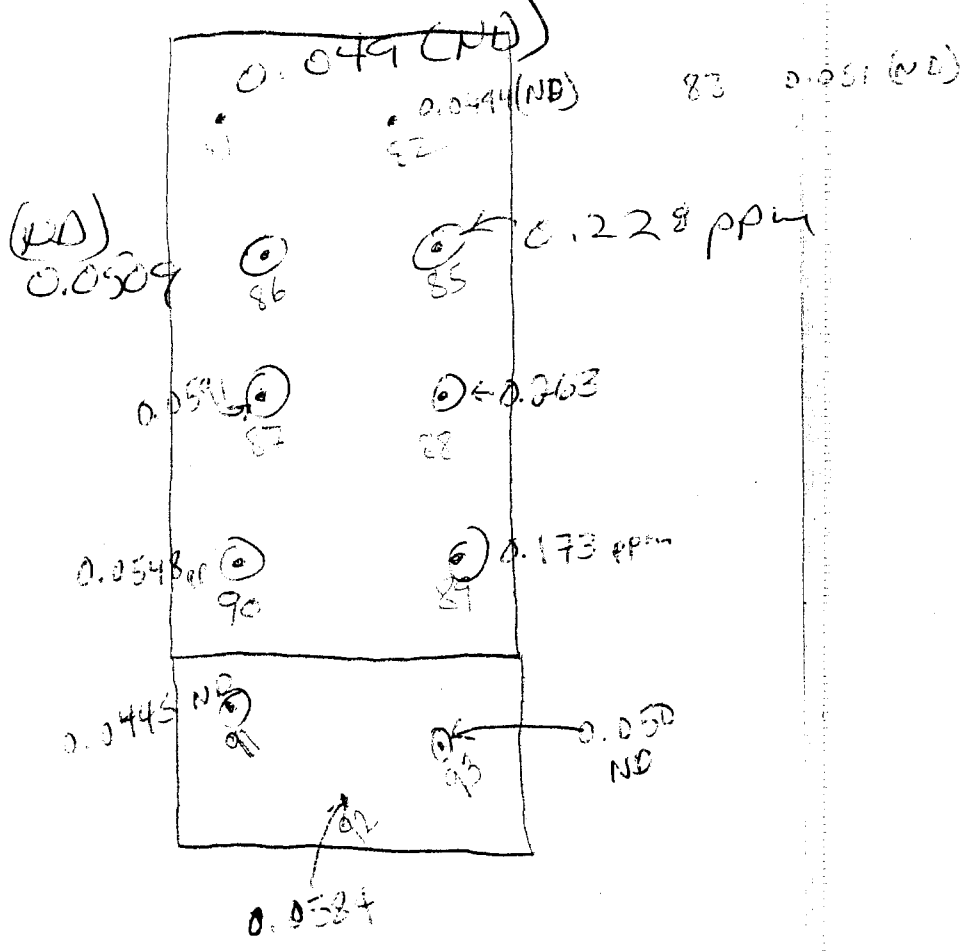
31B



7/19/05 - Tuesday  
 0700 - Safety Mtg.  
 0715 - Oil Sample  
 0845 - Tel Con Mtg.

N ↑  
 NTS

1001 - Room A + G Sample Locations



FORMER WAC ANTENNAE  
(Concrete foundation remains)

AREA 31C

31-16

31-17

100 ft<sup>2</sup>

31-15

31-18

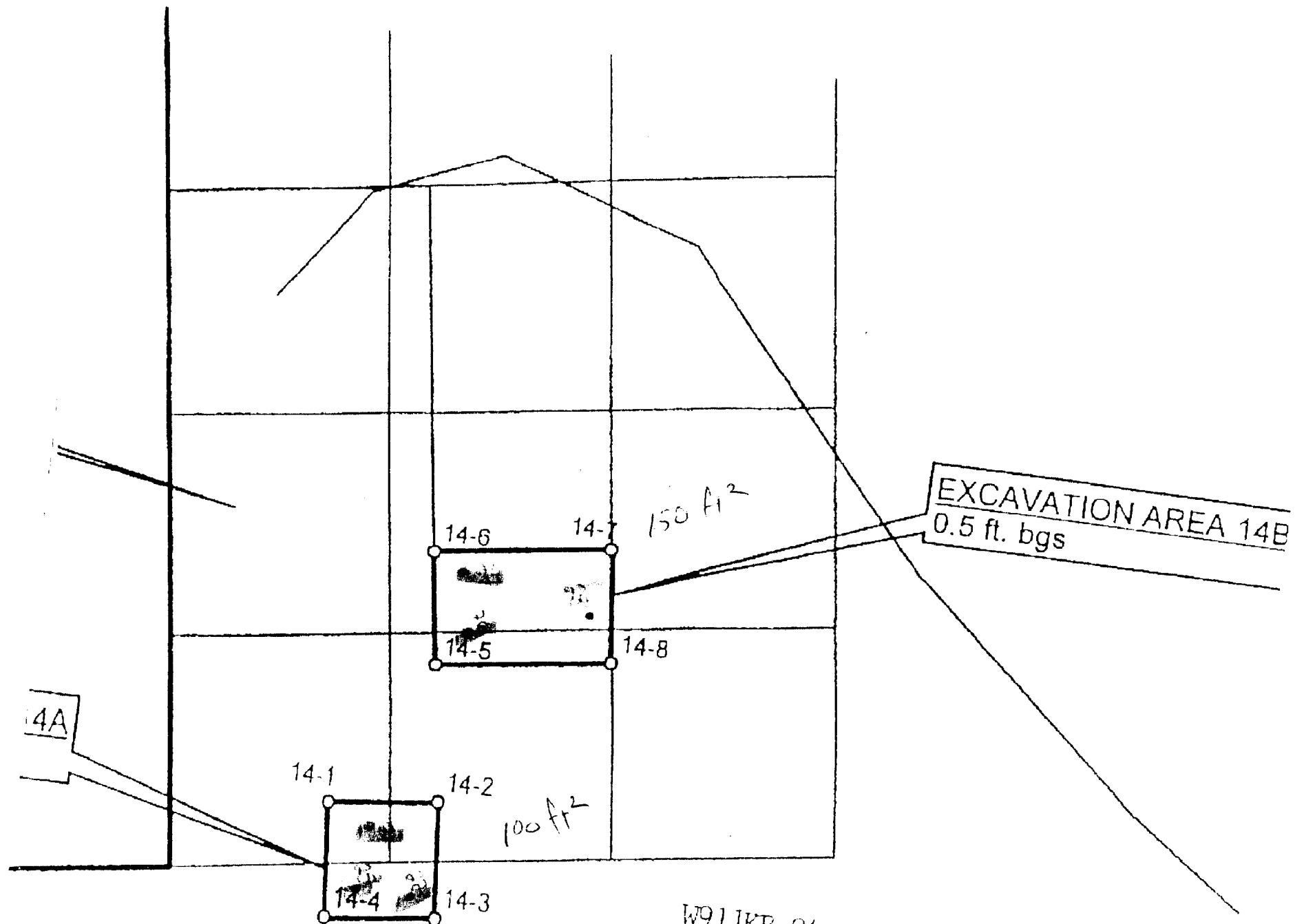
PTIC OUTFALL

W911KB-04-C-0019

Case 2

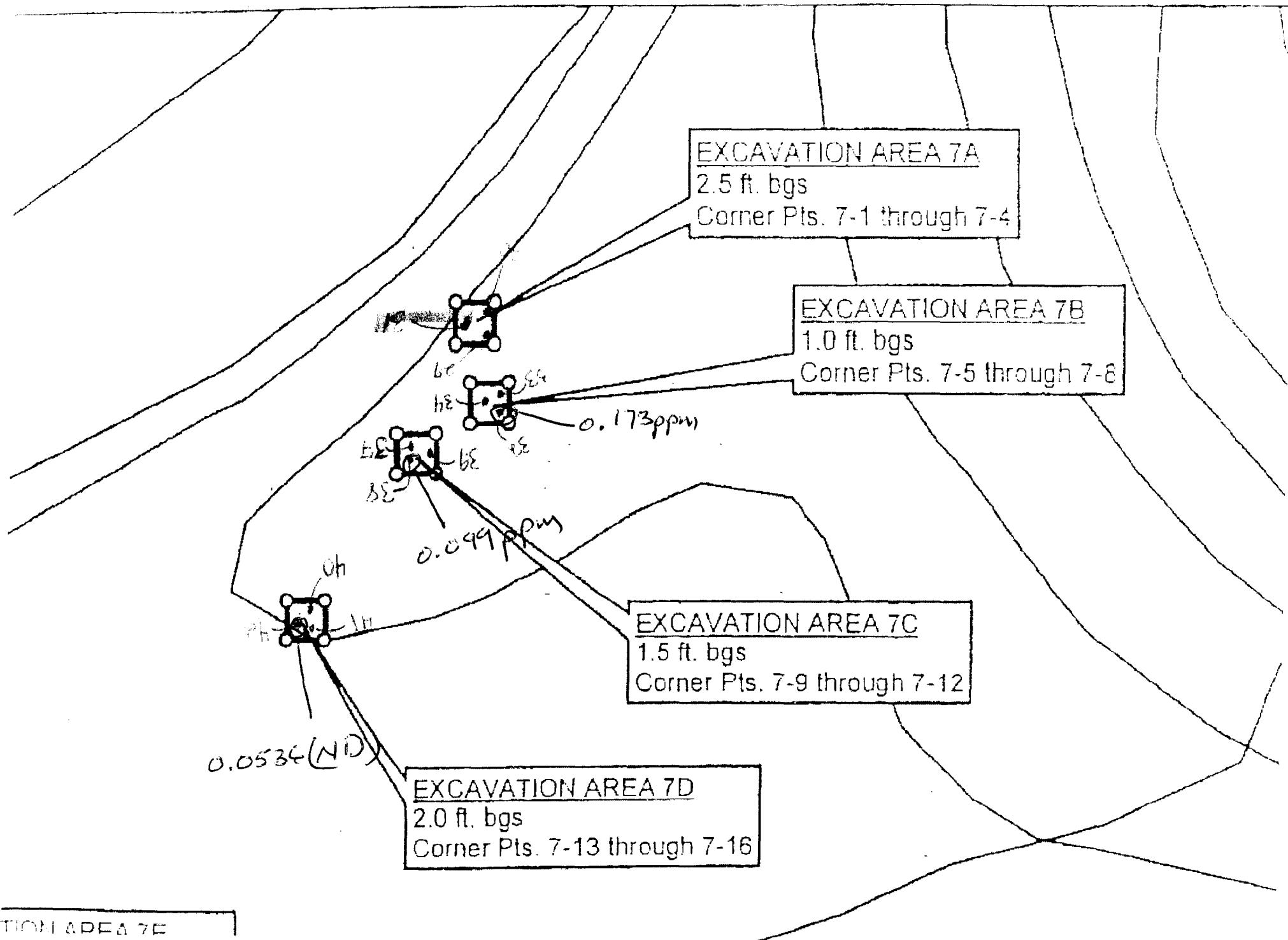
Modification P000

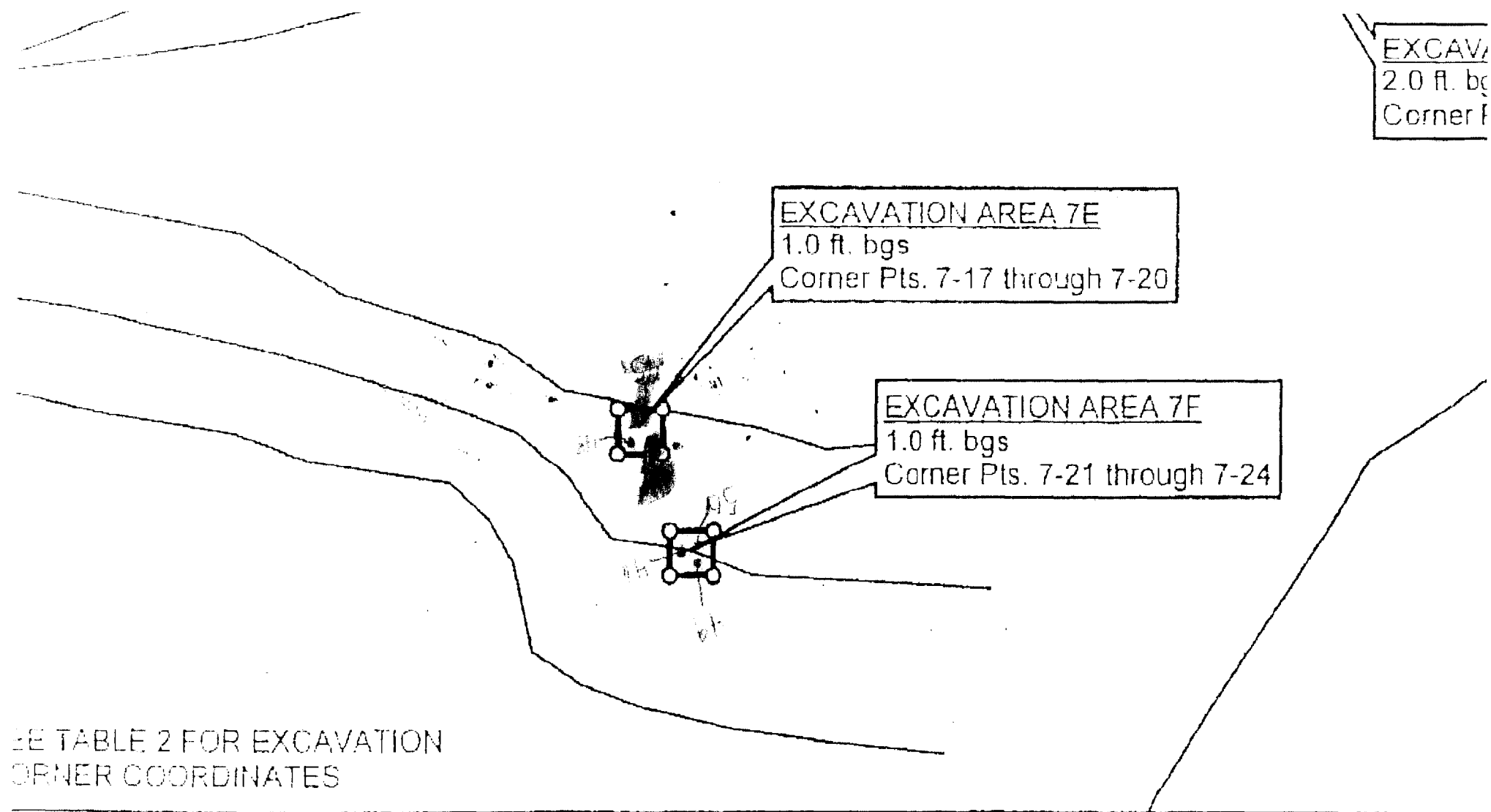
7



W911KB-04-C-0019  
Case 2  
Modification P000







Excavation Corners

Excavation Areas

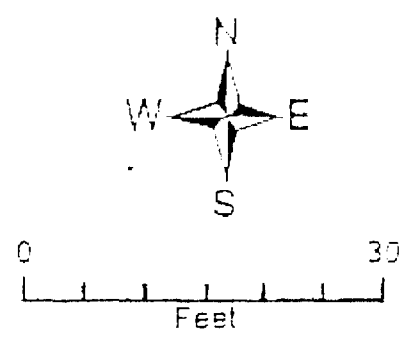
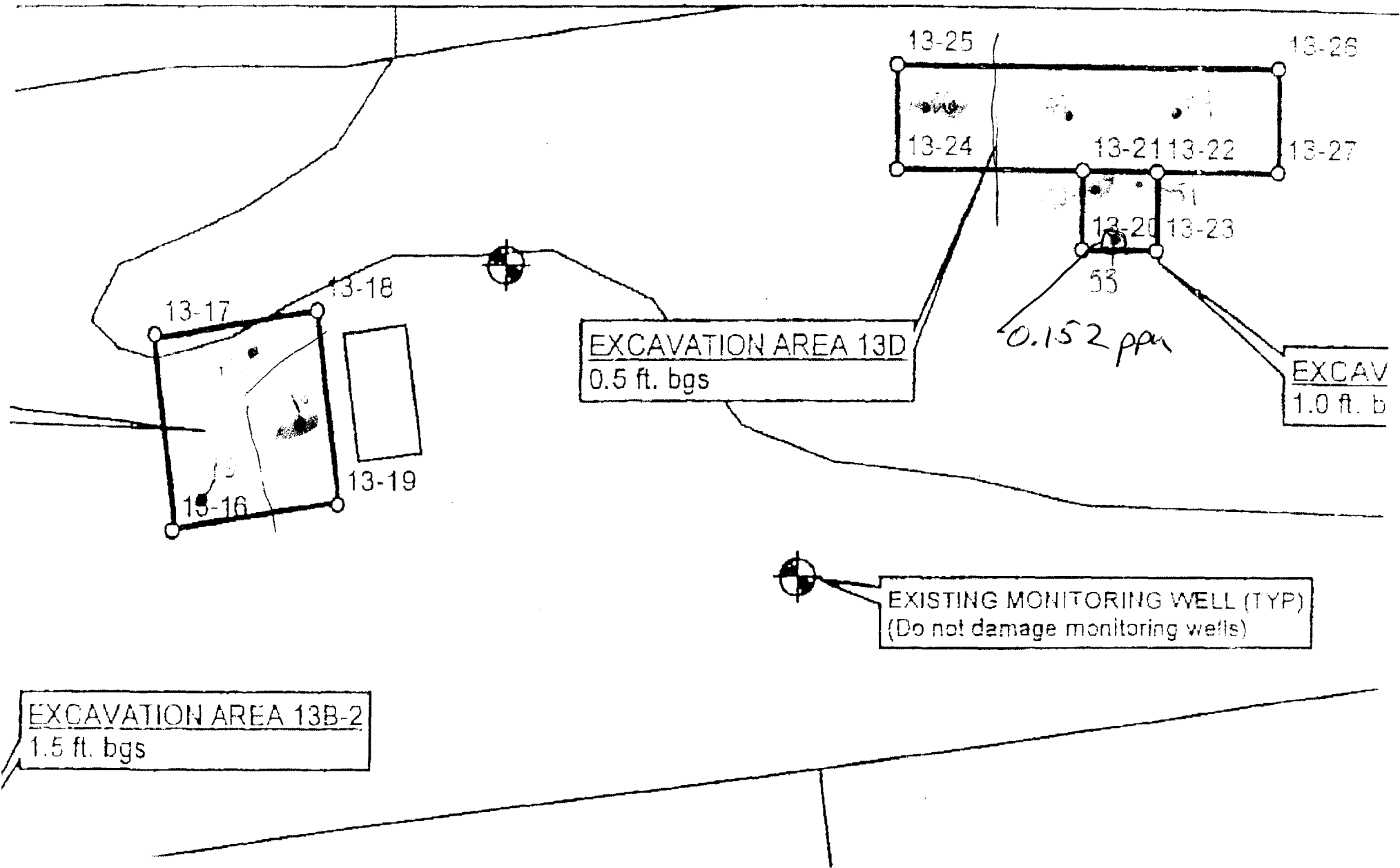


Figure 5B -



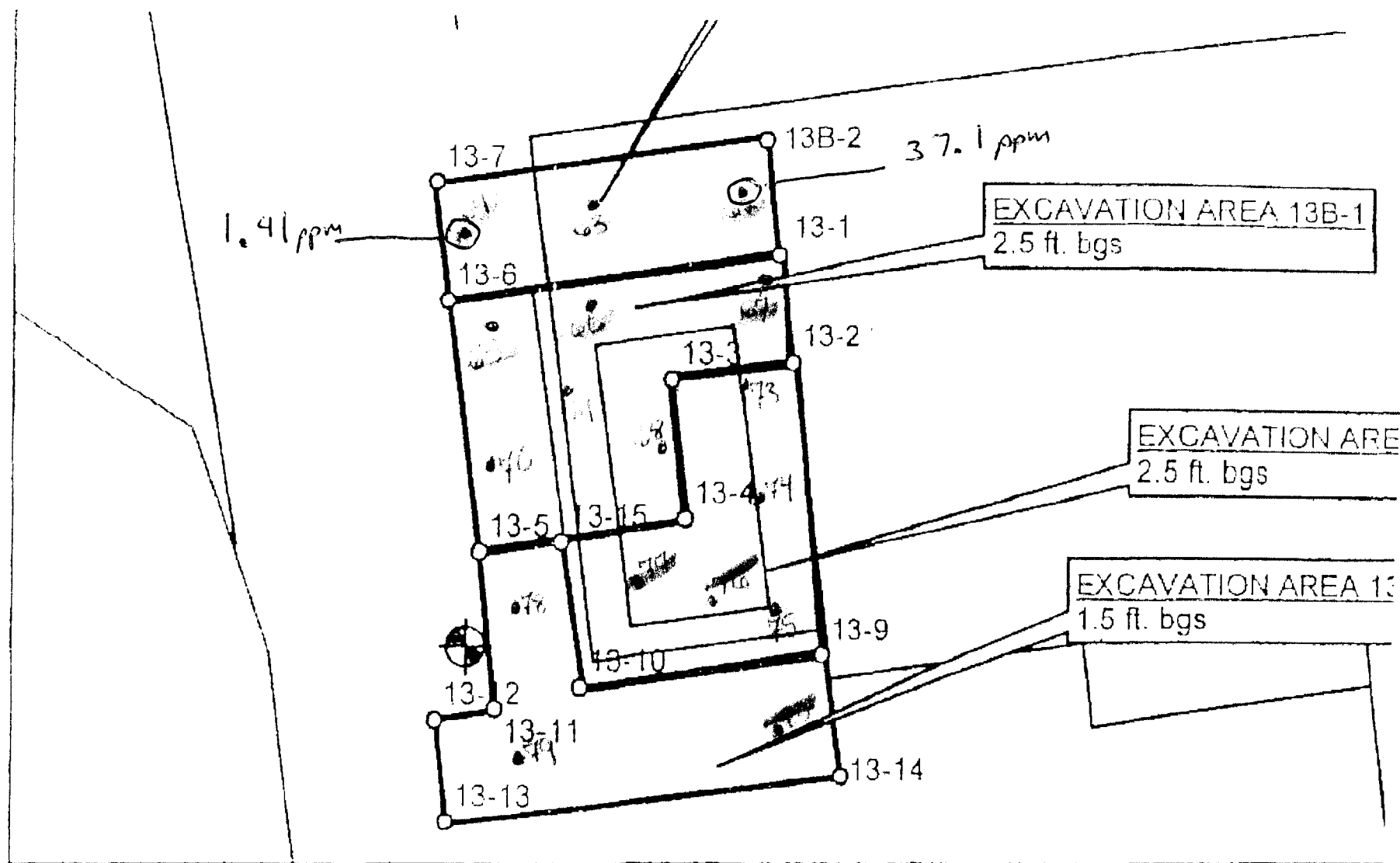
EXCAVATION AREA 13D  
0.5 ft. bgs

EXCAV  
1.0 ft. b

EXCAVATION AREA 13B-2  
1.5 ft. bgs

EXISTING MONITORING WELL (TYP)  
(Do not damage monitoring wells)

0.152 ppm



# Legend

○ Excavation Corners

□ Excavation Areas



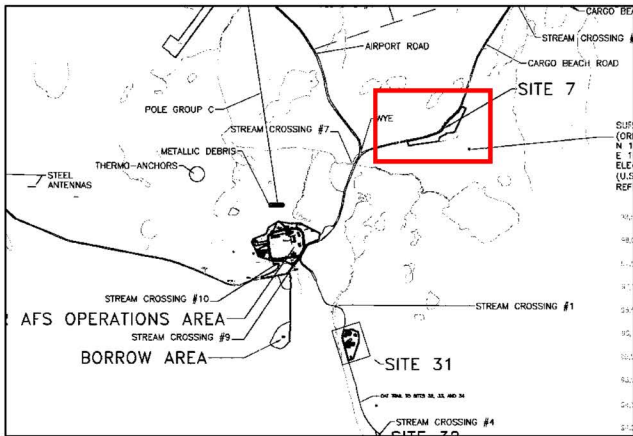
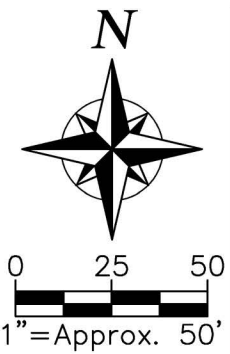
0 20 Feet

## **APPENDIX K**

### **Figure and Photographs of Waste Remaining On Site**



Both full and empty exposed drums observed along face of landfill and extending upslope (10-20 ft.) of landfill face.




**DRUM LOCATIONS SITE 7**  
SCALE: NTS



Drums observed in this area.

- Legend**
- River/Streams
  - Landfill Boundary
  - Exposed Debris/Drums

FIGURE 1, APPENDIX K  
WHITE ALICE SITE REMOVAL ACTION  
NORTHEAST CAPE ST. LAWRENCE ISLAND, ALASKA  
**SITE 7 - CARGO BEACH ROAD LANDFILL**  
**DRUM LOCATIONS**

 <b>Bristol</b> ENVIRONMENTAL & ENGINEERING SERVICES CORPORATION Phone (907) 563-0013 Fax (907) 563-6713 Project No. 25037	DATUM: N/A	DATE <u>08/25/06</u>
	PROJECTION: N/A	DWN. <u>MTG</u>
	CONTRACT NO: DACA85-02-C-0011	SCALE <u>NTS</u>
		APPRVD. <u>SAJ</u>



## PHOTOGRAPHS OF WASTES REMAINING ON SITE



**Photograph 1. CLIN0008, Debris Removal Gravel Pads, Roads, and Cargo Beach.** Additional debris remains at the Cargo Beach Road Landfill.



**Photograph 2. CLIN0008, Debris Removal Gravel Pads, Roads, and Cargo Beach.** Additional debris remains at the Cargo Beach Road Landfill, including drums, some of which BEESC covered with rocks to prevent tampering or shooting.



**Photograph 3. CLIN 0015, Option Remove Additional PCB Contaminated Soil.** Additional Soil remains at 8 locations, including Excavations 31A-1 and 31A-3. Note the standing water in Excavation 31A-3.



**Photograph 4. CLIN 0015, Option Remove Additional PCB Contaminated Soil.** Additional Soil remains at 8 locations, including Excavations 31A-1 and 31A-3. Excavations after backfilling with clean fill material.





**Photograph 5. CLIN 0015, Option Remove Additional PCB Contaminated Soil.** Additional soil remains at 8 locations, including Excavation 7A.



**Photograph 6. CLIN 0015, Option Remove Additional PCB Contaminated Soil.** Additional Soil remains at 8 locations, including Excavation 7E.



**Photograph 7. CLIN 0015, Option Remove Additional PCB-contaminated Soil.** Additional Soil remains at 8 locations, including Excavation 13A-1 and 13A-2.



**Photograph 8. CLIN 0015, Option Remove Additional PCB Contaminated Soil.** Additional Soil remains at 8 locations, including Excavation 13B-1 and 13B-2.

## **APPENDIX L**

### **Revision 0 and Revision 1 Comments and Responses**



<b>PROJECT:</b> NE Cape <b>REVIEW COMMENTS</b>		<b>DOCUMENT:</b> Tram and Debris Removal Action Report, Revision 0 <b>LOCATION:</b> NE Cape, St. Lawrence Island, Alaska		
<b>DATE:</b> 1/30/06		<b>REVIEWER:</b> Lisa K. Geist <b>PHONE:</b> (907) 753-5742		
Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
1.	Page ES-2, Line 23	Perhaps include breakdown of personnel onsite. Presentation at RAB meeting indicated 22 total: 12 BEESC, 4 other (Arctic Catering, medical), and 6 local hires.	A	The second paragraph of page ES-2 has been edited to say: “A crew of approximately 22 people: 12 BEESC personnel, 6 local hires, 3 Arctic Catering personnel, and a physician’s assistant were housed in a temporary construction camp built to support the project.”
2.	Page ES-2, Line 14	The term “disposed” seems to indicate items were left onsite. Perhaps substitute with “managed, burned, or treated”??	A	The text was changed to the following: “Burned over 370 tons of burnable wood on-island; ash was removed for disposal off-island;”
3.	Page ES-2, Line 19	I think more than 3 “sites” included sampling for PCBs. Site 7, 13, 14, 31, Site 19 (Buildings 108 and 109)... Unless you’ve grouped them generally for the executive summary (Main Complex, Landfill, White Alice).	A	The text was changed to the following: “Field screened and/or sampled soil and concrete for PCB contamination at three sites (Site 31 – White Alice site, Site 7 – Cargo Beach Road Landfill area, and the AFS Ops area).”
4.	Page 6, Line 5	I think the dates referenced are from 2005.	A	The dates have been changed to: “Between July 5 and August 23, 2005...”
5.	Page 10, Line 16	The most recent investigation at the White Alice site was completed in 2004 by Shannon & Wilson. Initial RI work was conducted in 2001 by MWH.	A	The text has been changed to: “An initial RI was performed by MWH in 2001. The most recent environmental investigation was completed in 2004 by Shannon & Wilson.”
6.	Page 14, Table 3-1	Typo on last line – 3,650 square feet.	A	The text was changed to 3,650 square feet.
7.	Page 18, Line 5	Additional description of the variations in quantities should be presented somewhere in the report, if not this section, then later.	A	The discussion has been added to Section 3.2 and Table 3.-1 has been modified to address variations in the quantities of work performed under CLINs 0004, 0007, 0008, and 0015.

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<b>Item No.</b>	<b>Location (page, par., sen.)</b>	<b>COMMENTS</b>	<b>Review A – Comment Accepted W – Comment Withdrawn N - Noted</b>	<b>Bristol Response</b>
8.	Page 19, Line 10	Can the Material Supply and Quarry Operating Agreement be included as an Attachment, or is this considered confidential business information? Was any sampling of the borrow materials performed or required? Perhaps add a statement in Section 5.1.4 (p. 26) that no sampling was required.	A	The Material Supply and Quarry Operating Agreement has been included as Appendix I The following text was added to Section 5.1.4: “No sampling or analysis of borrow material was performed.”
9.	Page 30, Section 5.3	Perhaps include additional text describing the modification to the scope of work? Explain how concrete sections were targeted for complete removal based on prior sampling results, as opposed to only grazing the surface to remove contamination.	A	Additional text was added to Section 5.3: “PCB-contaminated areas within concrete slabs were removed in their entirety instead of grazing and sampling as a time-saving measure.”
10.	Page 31, Line 11	Weren’t some samples sent to the laboratory to verify results were above the screening level, too? Perhaps this is appropriate for Section 6.0.	A	The text of Section 6.1.2 was edited to say: “Soil and concrete field screening results below 0.5 mg/kg were analyzed in the laboratory for PCBs, using EPA Method 8082 as described in the SAP. Six soil samples where field screening results were above 0.5 m/kg PCB were analyzed in the laboratory to confirm results. All samples contained PCBs ranging from 1.41 mg/kg to 17.7 mg/kg.”
11.	Page 32, Table 5-2	The weights are estimated based on calculated conversion of 1.37 tons/cy, however, elsewhere it states that the boxes were weighed on the truck scale before transfer to the barge? Were there any large discrepancies using either method?	A	The weights in Table 5-2 are calculated based upon the estimated conversion of 1.37 tons/cubic yard. The net weight of excavated soil from the truck scale and available from 2005 Waste Tracking Summary shows 586,090 pounds (293.045 tons) of soil was shipped off-island for disposal. The calculated weight in Table 5-2 is 292.9 tons.

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Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
12.	Page 33	Please add a section describing the waste removal efforts at the Site 7 landfill, e.g. amount of liquid pumped into overpack, known drums with contents remaining, and an assessment of drums remaining that are actually <u>visible</u> along the slopes.	A	The following text was added to Section 5.4.2 “Two drums containing product were discovered at the edge of the Site 7 landfill. One highly corroded drum was discovered containing approximately 5 to 10 gallons of liquid which was determined to be product floating on water. Sorbants and towels were used to remove the product and water. The empty drum was filled with sorbants to remove any product adhering to sidewalls, plastic was placed over it to keep water out, and rocks were placed on the plastic to keep it in place. The other drum was completely filled with product. The product was transferred to a new drum and the new drum was placed in an overpack. The contents of this drum were disposed of as stated in Table 5-4. The empty drum was cleaned with sorbants, crushed, and disposed of off-island with other scrap metal waste. The sorbants and towels were also disposed of as waste.”
13.	Page 35, Line 2	Approximately how many poles were cut and removed?	A	BEESC did not record the number of poles that were removed as part of the Tram and Debris Removal Action.
14.	Page 35, general	Please include a separate section, if necessary, to describe debris gathering efforts at areas other than the Tram Towers and Pole Lines. For example – along Cargo Beach, Site 7 Landfill perimeter, Sites 24/25, other debris fields besides the upper mountain slopes... Perhaps just clarifying in the text with more description where the debris field mentioned by number are really located?	A	The following text was added to the first paragraph of Section 5.4.2: “Pole lines were removed from around Building 98 and on the tundra from the AFS Ops Area and from the Tundra/Muskeg Area west of Cargo Beach Road and north of the trail to Sites 24/25.”
				The following text was added to the paragraph discussing debris removal in Section 5.4.2: “Debris was removed from near the Upper Tram Building (Site 33/34), in the vicinity of Site 31, from the Debris Staging Area (AFS Ops Area), and

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<b>DATE:</b> 1/30/06		<b>REVIEWER:</b> Lisa K. Geist <b>PHONE:</b> (907) 753-5742		
Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
				surrounding the AFS Ops Area, from the vicinity of Site 24/25, and East of Site 7 Landfill.”
				References to debris field numbers were removed since they do not reference a map or indicate where the debris fields are located.
15.	Page 37, Line 5	Actual areas (Site 31, Main Complex, other?) seeded should be mentioned in this section. Was the seed incorporated into the soil, watered, or otherwise tended to?	A	The following text was added to Section 5.6: “BEESC performed final seeding of disturbed areas on August 20 and 22, 2005, including the east side of the road leading from Site 31, Site 32, AFS Ops Area, east of Site 7 landfill, the disturbed parts of the Tundra/Muskeg Area west of Cargo Beach Road, and Sites 24/25.
				“BEESC did not water seeded areas, however seeding was completed during days of light precipitation.”
16.	Page 39, Line 8	Please be more specific about the landfill debris that was uncovered. What is meant by “numerous” full and empty drums? More than 10? Less than 50? It may be more accurate to state that more <u>exposed or partially exposed</u> debris remains at the Cargo Beach Road landfill. What about debris remaining at the Site 9 Housing and Operations Landfill (referred to as area northeast of Main Operations Complex)? Photos show large pieces of debris posing hazard were cut-off and removed, but smaller items remain underwater, etc.	A	The text of Section 5.9, CLIN0008 was edited to say: “Additional debris remains at the Cargo Beach Road Landfill. During the course of landfill contract item removal, BEESC uncovered two 55-gallon drums along the northwestern perimeter of the landfill that contained used oil. Field tests indicated that PCBs were not present in either drum. The contents of the two drums were removed as part of Modification 00003 to the contract. Three or four other partially-buried drums were visible (25% or more of each drum was exposed above ground) in the immediate vicinity of the two liquid-filled drums. It appeared that several of these drums also contained liquid. It is unknown how many other drums may be discovered in a more thorough search of the area. The exposed drums thought to contain liquid had large rocks and boulders placed around them (to mitigate possible human tampering or

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<b>DATE:</b> 1/30/06		<b>REVIEWER:</b> Lisa K. Geist <b>PHONE:</b> (907) 753-5742		
Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
				targeting by a firearms shooter) and left as they were because they were not part of the 2005 scope of work.
				The following additional text was added to discuss debris at the Site 9 Housing and Operations Landfill: “Debris removal activities north of AFS Ops area were performed to remove motor vehicle (4-wheeler, snowmachine) hazards. If possible, anything protruding above the ground or lying on the ground was removed. Items that could not be removed were cut off so that it was no longer exposed above the ground surface.”
17.	Page 39, Line 18	Would it be accurate to state that the <u>vertical</u> extent of contamination that is unknown?	A	The text has been edited to: “The vertical extent of contamination in partially excavated soil pits is not known, because contamination remains at the pit bottoms.”
18.	Page 39, Line 20	Why are the type and amount of waste shipped off-site from NE Cape over the last two field seasons included in Table 5-5?? This adds unnecessary confusion to the report.	A	The text has been edited to: “Table 5-5 contains the types and amounts of waste that BEESC shipped out of NE Cape during the 2005 field season.”
19.	Page 40, Table 5-5	Why are wastes from 2003 included? In particular, where is the TSCA-oil <1000 ppm PCBs from? Is this the drum from Site 7 landfill that was pumped into an overpack in 2005? I thought this waste oil was characterized as NOT containing PCBs. The waste type listing as TSCA Oil causes much confusion.	A	Information about waste shipped off-island in 2003 was included in Table 5-5 for comparison purposes.
				The used oil is the petroleum from the Site 7 landfill that was put into an overpack. It was characterized as below 1000ppm PCB, and so is not considered TSCA waste. Table 5-5 has been edited to reflect this.
20.	Page 45, Line 19	Here it states that 2 drums contained POL liquids, which seems to contradict the waste summary Table 5-4 which indicates one 55-gallon drum was disposed.	A	The following text was added to Section 5.4.2 “Two drums containing product were discovered at the edge of the Site 7 landfill. One highly corroded drum



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Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
				was discovered containing approximately 5 to 10 gallons of liquid which was determined to be product floating on water. Sorbants and towels were used to remove the product and water. The empty drum was filled with sorbants to remove any product adhering to sidewalls, plastic was placed over it to keep water out, and rocks were placed on the plastic to keep it in place. The other drum was completely filled with product. The product was transferred to a new drum and the new drum was placed in an overpack. The contents of this drum were disposed of as stated in Table 5-4. The empty drum was cleaned with sorbants, crushed, and disposed of off-island with other scrap metal waste. The sorbants and towels were also disposed of as waste.”
21.				The following text was added to Section 6.3: “The drum of used oil that was removed from Site 7 was field screened for shipping to Anchorage. Upon arrival in Anchorage, the used oil was characterized by Emerald Alaska, Inc. for disposal. No analytical testing was performed.”
22.	Page 47, Line 4	Do you know which excavations had soil containing greater than 50 ppm PCBs for disposal? Can you list them? It appears only PCB-contaminated soil (not the concrete) was differentiated as being above/below 50 ppm.	A	Section 6.3 was edited to include the following statements:
				“All waste concrete was characterized as ‘less than 50 mg/kg PCB.”
				Previous sample results provided by the USACE showed PCB levels of 527 mg/kg at Excavation 7A and PCB levels of just over 50 mg/kg at Building 110. The soil from these two sites was assumed to be greater than 50 mg/kg. PCB-painted tank scrap was added to this

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				container. The soil and tank scrap were transported in Waste Package Nos. 56 & 57, and under Manifest Nos. NE034 & NE035. The tank scrap was shipped in the same container as the soil under Manifest NE034.
23.	Page 47, Section 6.3	Was the waste oil extracted from the drum at Site 7 sampled? Please add a description of the sampling results in this section. Were other waste items sampled prior to disposal – e.g. the lead ash? Please include a summary of the analytical results.	A	The following paragraph was added to Section 6.3: “The drum of used oil that was removed from Site 7 was field screened for shipping to Anchorage. Upon arrival in Anchorage, the used oil was characterized by Emerald Alaska, Inc. for disposal. No analytical testing was performed.”
				The following text was added to the paragraph discussing TCLP metal analysis performed on and ash sample.
				“Results were below allowable limits for all metals with the exception of TCLP lead, which was 50.7 mg/L. The ash was disposed of off-island.”
24.	Figure 6-1	Inconsistent highlighting. Yellow highlighting missing for 05NEC31SL015. Unless you also remove highlighting for samples 31SL008 and SL016.	A	Figure 6-1 has been edited so that all confirmation samples with results above 1.0 mg/kg are highlighted.
25.	Section 6.4.1.1	Sidewall samples are mentioned as all being collected at 31A and 31B but the results were below the cleanup criteria. However, the results are not included on the figure 6-1, and perhaps should be included in Table format elsewhere in this section?	A	Analytical samples were collected from 31A-2 (west wall), 31B (north, east, and west walls). Results for all sidewall samples have been included in Figure 6-1. Sidewall results are included in Appendix F, PCB Summary Tables and analytical results are include din Appendix G – Laboratory Results. No text was added to Section 6.4.1.1.
26.	Page 50, Section 6.5	Perhaps add explanation that Excavation 7F, although ENSYS screening demonstrated that the soil is clean, actual results were not confirmed through laboratory analytical sampling.	A	The following text was added to Section 6.5: “No confirmation samples from excavation 7F were analyzed, however results from three field screening samples were below 0.5 mg/kg PCB.”

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Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
27.	Page 51, Section 6.7.1.1	Was there any attempt to segregate clean soils from the upper part of these excavations, based on prior removals by Nugget? Or were all surface soils assumed to be contaminated?	A	The following text was added to Section 5.3: “All soils from excavations were assumed to be contaminated and were disposed of as PCB-contaminated soils.”
28.	Page 52, Section 6.7.1.3	Perhaps clarify that actual laboratory sample was not obtained/analyzed for this site CTP 13-3, only the ENSYS screening results.	A	Wording in Section 6.7.1.3 was clarified to indicate that field screening samples were collected, not confirmation samples.
				One field screening sample was above 0.5 mg/kg, indicating the need for further excavation. Excavations were prioritized by USACE and remaining soil yardages were met through other excavations. BEESC did not do any further excavation at this site.
29.	Page 53, Section 6.7.2.1	Question – what was done with the underlying concrete left in place at Building 108 and 109? Is it below-grade? I assume fill was not placed on top of it... Perhaps this should be addressed in the text of Section 5.3 on Page 31.	A	About 6” of concrete was removed. The following text was added to Section 6.7.2.1: “The area where concrete was removed is generally at grade with the surrounding soil. No fill was placed on areas where concrete was removed.”
30.	Figure 3-1	Areas besides those highlighted in RED were addressed during the 2005 removal action. For example, Site 24/25, pole line/antennas in other areas, debris east of the Main Complex, debris near the beach and airstrip, etc... Perhaps eliminate the red highlighting or add highlighting to text descriptions of other areas?	A	All areas where work was performed during the 2005 field season are highlighted.
31.	Figure 5-3	What exactly is being depicted in Photo 5?	A	The descriptor for Photograph 5 has been changed to: “Demobilization activities. A mobile demolition trailer is being placed on a shipping flat as part of demobilization activities. Photo facing north.”

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<b>DATE:</b> 1/30/06	<b>REVIEWER:</b> Lisa K. Geist <b>PHONE:</b> (907) 753-5742
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32.	Figure 5-16	Label on Photo 32 should read air curtain blower to the left of the pit.	A	The text has been changed to: “Photograph 32. The burn pit in action. Note that very little, if any, smoke is coming out of the burn pit as a result of the air curtain blower to the left of the pit. Photo facing southwest.”
33.	Figure 5-18	The date on Photo 35 cannot be correct (January?). Please insert correct date, even if you need to cover date from malfunctioning label by camera.	A	The photo has been edited to remove the date.
34.	Figure 5-20	We have a photo showing area after removal of <u>all</u> tank scrap.	A	This photo has been included as Figure 5-21.
35.	General	Please include a tabular summary of the survey locations (e.g northing/easting) of all Soil Samples collected. The appendix only contains tabular summary of excavation corners.	A	Sample locations were not surveyed in. Sample locations have been estimated by using the surveyed pit locations and field notes. The tabular summary of sample locations has been included in Appendix D.

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1.	Fig 5-21 through 5-25	These figures are helpful. By including each removal year as a separate viewport, they clearly show the progression of work and progress made.	N	Thank you.
2.	Table 5-2	I see you have used a figure of 1.37 tons per bank cubic yard. Is this figure based on actual measurements made onsite by comparing excavation dimensions with tonnages that went across the scale? I would like to know this because it may be very useful information for potential future work at NE Cape.	A	The weights in Table 5-2 are calculated based upon the estimated conversion of 1.37 tons/cubic yard with cubic yards estimated from measured pit dimensions on a scaled figure. The net weight of excavated soil from the truck scale and available from 2005 Waste Tracking Summary shows 586,090 pounds (293.045 tons) of soil was shipped off-island for disposal. The calculated weight in Table 5-2 is 292.9 tons.
3.	Appendix D	In addition to the excavation corners, we will need northing and easting coordinates for <u>sample locations</u> , because these sample results will be input into our GIS. Although each sample location may not have been tied in with survey individually, the coordinates can probably be calculated using a combination of the excavation corners and the field notes to an accuracy that is acceptable for our GIS needs.	A	Sample locations were not surveyed in. Sample locations have been estimated by using the surveyed pit locations and field notes. The tabular summary of sample locations has been included in Appendix D.
4.	Figures 6-1 through 6-11	In my opinion, these are some of the nicest figures I've seen for presenting this type of data; the incorporated photographs are effective.	N	Thank you.
5.	Figure 5-10, Photo 19	I would like to assemble more digital photographs that show the removal of the tram towers down the mountainside. I'm not suggesting they be in the report; I would simply like to get them electronically so I can show some folks the method used to accomplish the work. I will inquire of Sam Mills, however if you also have some more, I would appreciate receiving them (gordon.n.osgood@poa02.usace.army.mil).	N	BEESC will provide all photos available to document the tower removal.

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6.	Title Page and Front Cover	Please place the FUDS Property Number (F10AK0969) on the title page and front cover.	A	The FUDS Property No. has been added to the title page and front cover.

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<b>DATE:</b>		<b>REVIEWER:</b> Sam Mills <b>PHONE:</b>		
Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response

1.	p. vii	Acronyms “quality controal” is mis-spelt.	A	The spelling has been corrected.
2.	p. 9	Photo 17 QAR camera date error: Year is 2005.	A	The photo has been edited to remove the date.
3.	p. 15	Photo 30 descript: “A repelling system” is mis-spelt; but isn’t this actually a belay system ?	A	The photo description has been changed to “a belay system.”
4.	p.. 16	Photo 31 QAR camera date error: Date is actually July 18, 2005.	A	The photo has been edited to remove the date.
5.	p. 18	Photo 35 QAR camera date error: Date is actually July 18, 2005 .	A	The photo has been edited to remove the date.

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Item No.	Location (page, par., sen.)	COMMENTS	Review A – Comment Accepted W – Comment Withdrawn N - Noted	Bristol Response
1.	2.2.3, p. 6, line 16	Metamorphic rocks are very minor on St. Lawrence Island (USGS, 1980), unless new mapping indicates otherwise.	A	The text of Section 2.2.3 has been changed to: “St. Lawrence Island consists of isolated bedrock highlands of igneous and older sedimentary rocks surrounded by unconsolidated surficial deposits, overlying a relatively shallow erosional bedrock surface.”
2.	p. 7, line 3	mottled (sp.)	A	The spelling for “mottled” has been corrected.
3.	p. 7, line 4	Cut banks? Silt doesn’t outcrop. That’s a term reserved for rocks.		The text of Section 2.2.3 has been changed to: “Dark brown silts are observed in cut banks.”
4.	p. 8, line 7	Identify the primary stream drainage by name – Suqi River.	A	The text has been changed to: “The primary stream drainage in the area, the Suqi River, is fed by runoff from the prominent drainage of the Kinipaghulghat Mountain valley in the lower mountain area.”
5.	p. 11, line 8	Sample (sp.)	A	The wording has been changed to “sample.”
6.	p. 26, line 22	Does “all but one ....were minor” mean that one was major, or that one needed no repair at all?	A	This text has been edited to: “There are 11 stream crossings and five culverts along the road system. Road repair and improvements were generally minor.”
7.	Section 5.1.5.2	Please add a little detail about how you met conditions of the safety waiver. Perhaps at the end of this section.	A	The following paragraph was added to Section 5.1.5.2: “To meet the requirements of the Safety Waver, BEESC provided a full time Site Safety and Health Officer (SSHO) dedicated to Cat Trail operations who performed a daily safety inspection of the trail before field crews were allowed to use the trail; established equipment run-out lanes or safe zones along the Cat Trail at the bottom of portions of the Cat Trail where grades were in excess of 30 percent; utilized track-type vehicles equipped with redundant braking systems to haul demolition debris to the beach; and inspected and



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				tested the braking systems of the tracked vehicles daily prior to their use on the Cat Trail.”
8.	p. 31, line 21-22	Funny wording at end. Maybe something like: from beneath the removed concrete slabs. Typically the slabs were underlain by soil, but in some areas a second layer of concrete was sampled.	A	The following language was added to the first paragraph in Section 5.3: “Typically concrete slabs were underlain by soil (Buildings 1001 and 110), but in some areas were underlain by a second layer of concrete (108 and 109). Soil or concrete under removed concrete slabs was sampled for PCBs.”
9.	Section 5.3	Indicate whether any concrete was grazed at all.	A	No concrete slabs were grazed. The following text was added to the first paragraph in Section 5.3: “PCB-contaminated areas within concrete slabs were removed in their entirety instead of grazing and sampling as a time-saving measure.”
10.	Table 5-2	Please add a column to indicate whether or not any additional contamination exists in the excavation.	A	A column has been added to Table 5-2 to indicate if additional PCB contamination remains in the excavation.
11.	p. 33, line 9	End sentence with parenthetical reference: (Figures 5-23 & 5-24).	A	A reference to Figures 5-23 and 5-24 was added to Section 5.4.1.
12.	p. 34, Tramline and Water Lines	These sections probably merit an engineering section number (?), e.g., 5.4.2 and 5.4.3. Also, what happened to the concrete foundations to the towers? If left in place, how big are they?	A	The sections have been numbered as follows: 5.4.1.1 Tram Line and Associated Cable and Wire 5.4.1.2 Water Line The following text was added to Section 5.4.1.1: “Concrete foundations to the tram towers were left in place. Each tram tower foundation consists of four concrete piers of approximately 2 foot square. Please see Figure 5-9 for a photograph of typical pier and Figures 5-23 and 5-24 for the locations of the remaining concrete foundations.”

13.	p. 35, line 3	<del>...from ground level.</del> ...from the ground.	A	The referenced line was rewritten to say:
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				“Metal towers and poles, wooden poles, and thermo-anchors from the pole lines (Figure 5-12) were cut off at ground level or removed from the ground.”
14.	p. 35, line 15	...Debris Fields 1 <u>and</u> 2 (Figure 5-24)	A	The text for this paragraph has been edited to: “Debris was removed from near the Upper Tram Building (Site 33/34 & Site 32), in the vicinity of Site 31, from the Debris Staging Area (AFS Ops Area), and surrounding the AFS Ops Area, from the vicinity of Site 24/25, and East of Site 7 Landfill. Approximately 26 tons of miscellaneous debris was removed from the ground surface in the area of these debris fields (Figure 5-15).” There is no Figure 5-24. The correct figure is 5-15.
15.	p. 35, line 15	Where are Debris Fields 3 and 4?	A	See answer for item 15.
16.	Section 5.4.2	This section could use a bit more verbiage. Should discuss the steep slope debris cleanup (pat yourself on the back), types of debris, mention the Blazer and the boiler tanks with asbestos. What about the Cargo Beach removal debris? Any wire sections that were left in the ground because the tundra had grown over it?	A	The following text on the debris cleanup was added to Section 5.4.2:
				“Debris in the vicinity of Site 24/25 (Debris Field No. 1) was scattered on a near vertical slope immediately below the ridge at an elevation between 1,600 and 1,800 feet. The slopes were very unstable and generally consisted of large boulders and some rock faces. To ensure the safety of the personnel performing the clean up, BEESC utilized a rappel/belay rock climbing method when scaling the debris field. Personnel placed the gathered debris into sleds that were lowered down the mountain and hauled up when full.”
				“Debris was removed in areas near the Cargo Beach

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				Landfill. Rolls of wire that had been place in the landfill were exposed outside the landfill cap in some places. Because removal of entire rolls would have required excavating into the landfill, only the exposed metal was removed. Chop saws were used to cut off the wire bundles at ground level and remove all exposed wire.”
				“Debris from Cargo Beach Road consisted of material that had been gathered by Nuggett Construction during previous years’ work. This material was moved to the waste staging area, separated into waste streams, and disposed of with all other waste materials.”
				Additional information about asbestos and the Blazer was included as Section 5.4.3. See the response to question 16 for the specific language about asbestos. The following text about the Blazer was added to Section 5.4.3:. “A Blazer-type vehicle discovered as part of the debris removal was transported to Anchorage and sold to an Anchorage-area shop.”
17.	Section 5.5	Any ACM picked up? What size fraction determined pick up? Did you stake the areas and survey it? Acreage?		ACM removal is discussed in Section 5.4.3.
				“Asbestos-containing material (ACM) consisting of a boiler tank with small asbestos gasket seals and bricks, and pieces of cement asbestos board (CAB) was discovered during debris removal. ACM was removed from the metallic debris area north of AFS Ops and spread over an area of approximately 2 to 3 acres (Figure 3-1). The pieces of ACM, consisting of transite pipe and pieces of CAB approximately six inches or smaller. Any material identifiable as ACM was removed. The transite

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				pipe and CAB were placed in two triwall boxes for transport and disposed of off-site as ACM waste.”
18.	Section 5.6	What areas were seeded? Any re-grading? Did you stake the areas and survey it? Acreage?	A	The following text was added to Section 5.6: “BEESC performed final seeding of disturbed areas on August 20 and 22, 2005, including the east side of the road leading from Site 31, Site 32, AFS Ops Area, east of Site 7 landfill, the disturbed parts of the Tundra/Muskeg Area west of Cargo Beach Road, and Sites 24/25. Approximately 30 acres was re-graded and spread with native grass and plant seed adapted to the St. Lawrence Island environment in accordance with the manufacturer’s instructions.”
19.	p. 39, line 7	“....Cargo Beach Road Landfill <u>(Site 7).</u> ”	A	A reference to Site 7 has been included in this paragraph.
20.	p. 39, line 8	The first word, “items” should be followed by a comma	A	This section has been rewritten to provide more specific information about the discovered drums. This comment is no longer applicable.
21.	p. 39, CLIN 0008	Any information on location of full drums? What about tested contents?	A	The following text has been added to Section 5.9: “During the course of landfill contract item removal, BEESC uncovered two 55-gallon drums along the northwestern perimeter of the landfill that contained used oil. Field tests indicated that PCBs were not present in either drum.” The following text has been added to Section 6.3: “The drum of used oil that was removed from Site 7 was field screened for shipping to Anchorage. Upon arrival in Anchorage, the used oil was characterized by Emerald Alaska, Inc. for disposal. No analytical testing was performed.”
22.	p. 39, line 16	Inclusion of excavation 7F in this listing is questionable. But should also mention Bldgs. 1001, 108, 109, and 110.		CLIN 0015 in Section 5.9 was edited to say:

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				“Additional PCB-contaminated soil at Sites 31 and 7, and the AFS Ops Area remains. As mentioned in Section 5.3 and Table 5-2, Excavations 31A-2, 31B, 31C, 14A, 14B, 7B, 7C, 7D, 13C, 13D, and 13E were confirmed clean at the contract action level of 1 mg/kg. Field screening indicates that Excavation 7F does not contain PCB-contaminated soil above the contract action level, but confirmation samples were not collected. Because of weight restrictions and budget constraints BEESC partially removed PCB-contaminated soil from Excavations 31A-1, 31A-3, 7A, 7E, 13A-1, 13A-2, 13B-1, and 13B-2. The vertical extent of contamination in partially excavated soil pits is not known, because contamination remains at the pit bottoms.”
				“Soil under concrete removed from Buildings 110 and 1001 was field screened for PCB contamination. One field screening sample from beneath Building 110 and one field screening sample from soil beneath Room F of Building 1001 showed PCB contamination above 0.5 mg/kg. Approximately two buckets of soil was removed from Building 1001 with an excavator and the remaining soil was confirmed below the contract action level. No further excavation of PCB-contaminated soil was performed at Building 110.”
23.	Section 5.9 or maybe 5.10	Somewhere in this report could you please note whether or not any ordnance, ammunition, weaponry, or explosive waste was encountered in either 2005 or in 2003?	A	No ordnance was discovered during 2003 or 2005. The following text was added to Section 5.4.3:
				“Materials that were discovered during debris removal activities included drums of product, asbestos materials, and a Blazer-type vehicle. No ordnance, ammunition, weaponry, or explosive waste was discovered during

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				debris removal activities.”
24.	?????	No mention of the vertical culvert in the creek, unless it’s the CMP Water Collector pipe on Figure 5-23. Please tell how this was abandoned.	A	The vertical culvert in the creek is the CMP Water Collector pipe on Figure 5-23. This pipe was removed and disposed of a scrap metal.
25.	Section 6.0	Very nice detail in the sub sections describing the excavations. Good work!	N	Thank you.
26.	p. 46, line 7	Be sure to update the Final.	A	Section 6.1.5 has been updated to reflect receipt of the CDQR and the CDQAR. All requested flags have been included in Appendix F: Analytical Laboratory Data Summary Tables.
27.	p. 50, line 11	Perhaps here would be a good place to insert: “Field screening suggests that Excavation 7F has less than action level concentrations of PCBs, but no laboratory confirmation soils were collected.”	A	The following text was added to Section 6.5: “No confirmation samples from excavation 7F were analyzed, however results from three field screening samples were below 0.5 mg/kg PCB.”
28.	p. 52, line 3	“Area 13E ( <u>Figure 6-8</u> ) .....”	A	The figures list in the Table of Contents has been edited to:  “6-8 Soil Excavation Areas 13C, 13D, and 13E Sample Locations and Results” Text within Section 6.7.1.2 has not been changed to be consistent with other excavations within that section.
29.	p. 52, line 16	“The <u>screening</u> results .....”	A	The text in Section 6.7.1.3 has been edited to: “The screening results from sample AFSL113 indicated that PCBs were present at a concentration in excess of 0.5 mg/kg.”
30.	p. 52, line 24	The red outline on the photo of Figure 6-10 looks rectangular, though a smaller soil square is visible.	A	Both the red drawn square and the red outline on the photograph are correct. The outline on the photograph is a rectangle because of the side perspective.
31.	p. 53, line 19	“ .....disposed <del>approximately</del> <u>of</u> a portion .....”	A	The text of Section 6.7.2.2 has been edited as follows:

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				“As a result, BEESC demolished and disposed of a portion of the floor slab approximately 30 feet by 70 feet (2,100-square-feet) as described Section 5.3.”
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36.	Page 36, lines 7-9	Wording is ambiguous. It sounds like you hand-picked ACM out of the metallic debris and then spread the ACM over 2 to 3 acres. Dilution?	A	Text was edited to: “ACM was removed from the metallic debris area spread over an area of approximately 2 to 3 acres north of AFS Ops and (Figure 3-1).”
37.	Page 39, CLIN 0008, Lines 16-17	Any chance of putting the liquid filled drums on a map?	A	The estimated locations have been included in Appendix K on Figure 1
38.		Original comment #24 No mention of the vertical culvert in the creek, unless it's the CMP Water Collector pipe on Figure 5-23. Please tell how this was abandoned. I see that you answered this question on the comment template, but did it get mentioned in the report?	A	The vertical culvert in the creek is the CMP Water Collector pipe on Figure 5-23. This pipe was removed and disposed of a scrap metal.
39.		CD Label should include contract date below Contract No. (9-June-2004). Not critical	A	The contract date has been included on the CD Label.
40.	Report Title Page	If you really wanted to shine – put the long nasty file name (F10AK096901_07.08_0001_a.pdf) on the cover, perhaps as a footer. Not required.	A	The file name has been added to the cover.

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1.	Page 35	Original comment: Please add a section describing the waste removal efforts at the Site 7 landfill, e.g. amount of liquid pumped into overpack, known drums with contents remaining, and an assessment of drums remaining that are actually visible along the slopes.  Follow up comment: Modified test of Section 5.4.3 does not address items remaining. However, Bristol's response should direct the reviewer to Section 5.8 for details on additional drums observed.	A	The following text was added to the first paragraph of Section 5.4.3: "Section 5.8 discusses waste remaining on-site."
2.	Page 35	Original comment: Please include a separate section, if necessary, to describe debris gathering efforts at areas other than the Tram Towers and Pole Lines. For example – along Cargo Beach, Site 7 Landfill perimeter, Sites 24/25, other debris fields besides the upper mountain slopes? Perhaps just clarifying in the test with more description where the debris field mentioned by number are really located?  Follow up comment: Line 4 should refer to Sites 33/34 as associated with Debris Field #1. Bristol's response indicated that references to debris field numbers were removed, which is not completely true. Figure 5-24 also shows hatched areas from original scope labeled Debris Field #1 and #2. Wasn't debris removed from more than just the east side of the Site 7 landfill? For example the boiler west of the landfill, other debris north of the landfill?	A	The reference to Site "24/25 (Debris Field No. 1)" has been changed to say Site 33/34 (Debris Field No. 1)".  Debris pick-up occurred between Site 24/25 and the AFS Ops area. Also between the AFS Ops area and the Site 7 landfill. So to include the entire area as debris pick-up. The text has been changed to read "....between the vicinities of Site 24/25, and the Site 7 Landfill."
3.	Page 37, Line 5	Original comment: Actual areas (Site 31, Main Complex, other?) seeded should be mentioned in this section. Was the seed incorporated into the soil, watered, or otherwise tended to?  Follow up comment: It seems that the text beginning at Line 17 should be a new section, and is not directly related	A	Section 5.7 Waste Disposal was added and all information regarding waste handling and disposal was included in this section.



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		to the section title of Final Seeding.		
4.	Page 39, line 22	<p>Original comment: Please be more specific about the landfill debris that was uncovered. What is meant by “numerous” full and empty drums? More than 10? Less than 50? It may be more accurate to state that more exposed or partially exposed debris remains at the Cargo Beach Road landfill. What about debris remaining at the Site 9 Housing and Operations Landfill (referred to as area northeast of Main Operations Complex)? Photos show large pieces of debris posing hazard were cut-off and removed, but smaller items remain underwater, etc.</p> <p>Follow up comment: The new text/paragraph beginning at Line 22 is enclosed in quotes, without reference to where this comes from. Also, original comment related to Site 9 debris remaining underwater. The debris removal activities occurred north as well as northeast of the AFS Ops Area.</p>	A	<p>Quotes were removed from around the following text:</p> <p>“Debris removal activities north and northwest of AFS Ops Area were performed to remove motor vehicle (four-wheeler, snowmachine) hazards. If possible, anything protruding above the ground or lying on the ground was removed. Items that could not be removed were cut off so that they were no longer exposed above the ground surface.”</p>

<b>PROJECT:</b> NE Cape		<b>DOCUMENT:</b> Tram and Debris Removal Action Report, Revision 0		
<b>REVIEW COMMENTS</b>		<b>LOCATION:</b> NE Cape, St. Lawrence Island, Alaska		
<b>DATE:</b> April 18, 2006		<b>REVIEWER:</b> Lisa Geist	<b>PHONE:</b> (907) 753-5742	
<b>Item No.</b>	<b>Location (page, par., sen.)</b>	<b>COMMENTS</b>	<b>Review A – Comment Accepted W – Comment Withdrawn N - Noted</b>	<b>Bristol Response</b>
5.	Page 40, Line 14	<p>Original comment: Why are the type and amount of waste shipped off-site from NE Cape over the last two field seasons included in Table 5-5?? This adds unnecessary confusion to the report.</p> <p>Follow up comment: The revised text makes the report less accurate. Table 5-5 contains the types and amounts of waste that BEESC shipped out of NE Cape during both the 2003 and 2005 field seasons, shown for comparison.</p>		<p>The text was edited to say:  “Table 5-5 contains the types and amounts of waste that BEESC shipped out of NE Cape during the 2003 and 2005 field seasons. 2003 field season data is provided for comparison purposes only.”</p>
6.	Page 41, Table 5-5	<p>Original comment: Why are wastes from 2003 included? In particular, where is the TSCA-oil&lt;1000 ppm PCB from? Is this the drum from Site 7 landfill that was pumped into an overpack in 2005? I thought this waste oil was characterized as NOT containing PCBs. The waste type listing as TSCA Oil causes much confusion.</p> <p>Follow up comment: Table 5-5 has not been modified to indicate that the drum from Site 7 landfill was disposed off-site as used oil.</p>		<p>Table 5-5 has been corrected to reflect that the 55-gallon drum of used oil under “Non-regulated Items” was disposed of in 2005, not 2003.</p>

<b>PROJECT:</b> NE Cape		<b>DOCUMENT:</b> Tram and Debris Removal Action Report, Revision 0		
<b>REVIEW COMMENTS</b>		<b>LOCATION:</b> NE Cape Site, St. Lawrence Island, Alaska		
<b>DATE:</b> 1/11/06		<b>REVIEWER:</b> Carey Cossaboom	<b>PHONE:</b> (907) 753-2689	
<b>Item No.</b>	<b>Location</b> (page, par., sen.)	<b>COMMENTS</b>	<b>Review</b> <b>A – Comment Accepted</b> <b>W – Comment Withdrawn</b> <b>N - Noted</b>	<b>Bristol Response</b>