

Proposed Plan for Remedial Action Gambell Formerly Used Defense Site



Agenda

- Welcome/Introductions 7:00 pm
- Proposed Plan Overview 7:10 pm
- Questions 7:40 pm
- BREAK 8:00 – 8:15 pm
- Safety Around Ammunition 8:15 pm
- Questions 8:30 pm
- Open Discussion 9:00 pm
- Adjournment 10:00 pm

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Proposed Plan

- Summarizes all sites evaluated during the investigation process, including sites proposed for No Further Action
- Describes environmental conditions
- Describes cleanup alternatives considered
- Presents recommended cleanup alternatives
- Requests public comment

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Public Process under CERCLA

- Conduct a **Public Meeting** to present an overview of the Proposed Plan and receive oral or written comments
- Hold a 30-day **Public Comment Period**
- Consider and respond to comments in **Responsiveness Summary**
- Prepare **Decision Document** which describes the final selected remedy
- Publish **Public Notice** for the Decision Document

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Evaluation Criteria

- Overall protection of human health and the environment
- Compliance with regulations
- Short term effectiveness
- Long term effectiveness and permanence
- Reduction of toxicity, mobility, and volume
- Implementability
- Cost
- Community acceptance
- State acceptance

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Cleanup Levels

- Soil and groundwater cleanup levels are risk-based and designed to be protective of human health and the environment
- All Sites
 - ADEC Table B Soil Cleanup Levels, Under 40 Inch Zone, Ingestion pathway
- Sites 5 and 12
 - ADEC Table B Soil Cleanup Levels, Under 40 Inch Zone, Migration to Groundwater Pathway
 - ADEC Table C Groundwater Cleanup Levels

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Preferred Alternatives

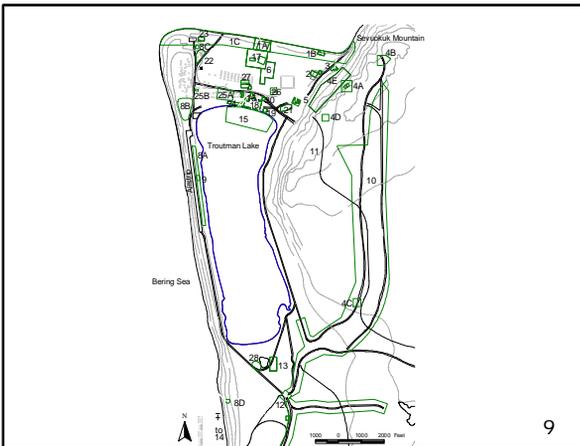
- Recommendations:
 - Remove arsenic-contaminated gravel from under former concrete pad (Site 7)
 - Remove exposed metal debris from the Airfield (Site 8A)
 - Remove small arms ammunition from the Beach Burial Site (Site 8D)
 - Remove lead-contaminated soil from south of Troutman Lake (Site 12)

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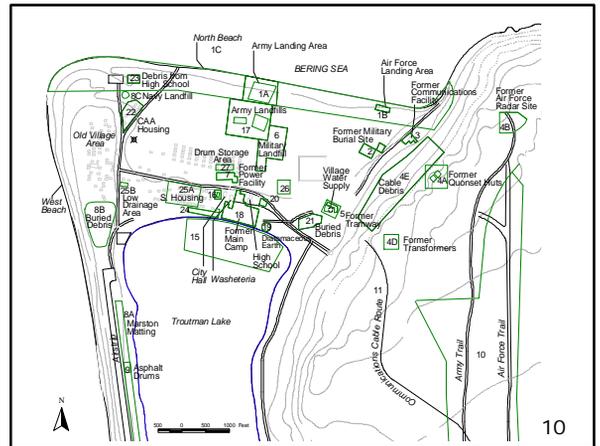
Preferred Alternatives (con't)

- Recommendations:
 - Collect an additional groundwater sample from the Village Water Supply and surrounding Monitoring Wells (Site 5)
 - No Further Action at remaining Sites

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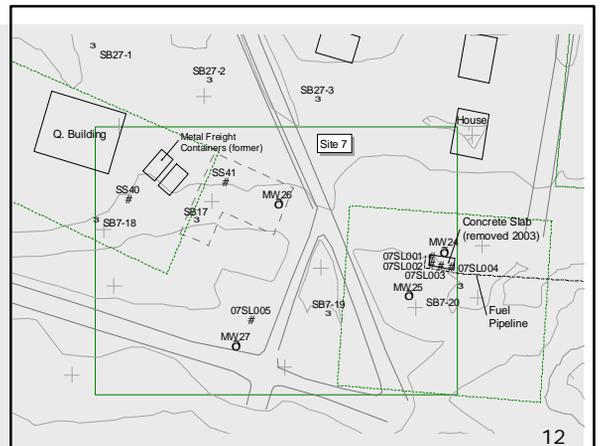


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Site 7 – Military Power Facility Preferred Alternative

- Concrete pad removed in 2003
 - Underlying gravels contained elevated levels of arsenic attributed to wood preservative from the buried support timbers
 - Maximum arsenic concentration is 34.9 mg/kg
 - ADEC cleanup level is 5.5 mg/kg
- Excavate arsenic-contaminated gravel
- Transport off-site to permitted landfill

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Site 8A - Airport Runway Marsten Matting

- Remove exposed metallic debris from east side of runway
- Transport and dispose off-site at a permitted landfill or recycling facility

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Site 8D - Beach Ammunition Dump Preferred Alternative

- Excavate pits and separate small arms rounds from the gravel
- Transport and dispose off-site at a permitted landfill

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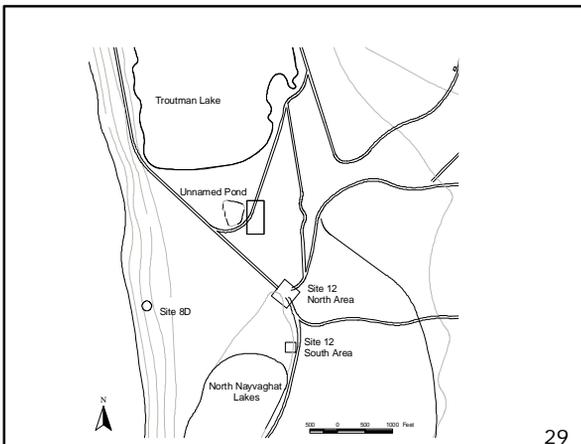
Photograph 3-9. Area D Surface Sweep.

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Site 12 - North Nayvaghut Lakes Disposal Site Preferred Alternative

- Excavate lead-contaminated soil
- Transport off-site to permitted hazardous waste landfill (lower 48)
- Surface soils contain Lead
 - Maximum concentration 1,530 mg/kg
- Applicable ADEC cleanup level is 400 mg/kg

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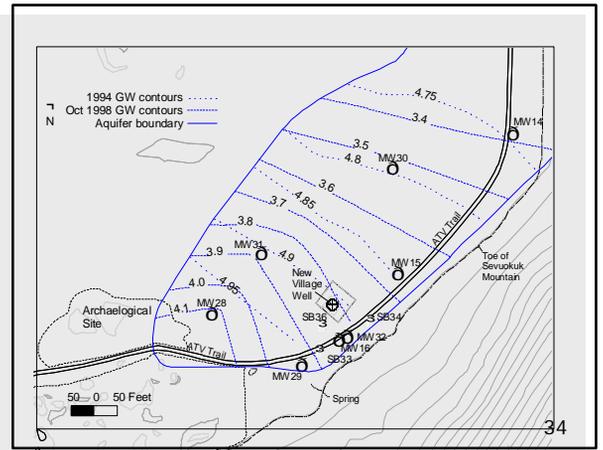


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Site 5 – Former Tramway Preferred Alternative

- Collect one additional groundwater sample from the Village Water Supply Well and the surrounding Monitoring Wells
- No Further Action

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Remaining Sites – Preferred Alternative

- No Further Action
 - Levels of Contaminants below ADEC cleanup criteria
 - Surface debris removed under previous removal action
 - Remaining buried debris ineligible for removal using the FUDS program
 - NALEMP activity planned for 2004 and 2005 to continue buried debris removal

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Other Sites Evaluated

- No contamination above ADEC Table B Migration to Groundwater cleanup levels and/or
- Surface debris removed (1997, 1999)
 - Site 1A and 1B North Beach
 - Site 4C and 4D Sevuokuk Mtn
 - Site 8B and 8C West Beach
 - Site 9 Asphalt Barrel Cache
 - Site 10 Sevuokuk Mtn Trail
 - Site 11 Communications Cable
 - Site 13 Radar Power Station
 - Site 14 Navy Plane Crash Site
 - Site 16 Municipal Building Site
 - Site 17 Army Landfills
 - Site 18 Main Camp
 - Site 20 Schoolyard
 - Site 24 S. of Municipal Bldg
 - Site 25A South Housing Units
 - Site 25B Low Drainage Area Southwest of Armory
 - Site 26 Possible Debris Burial
 - Site 27 Drum Storage Area
 - Site 28 Disturbed Ground

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Other Sites Evaluated

- No contamination above ADEC Table B Ingestion cleanup levels
- Surface debris and/or contaminated soils removed in 1997, 1999
 - Site 2 Former Military Housing
 - Site 4A Former Quonset Huts
 - Site 4B Former USAF Radar Station
 - Site 6 Military Landfill

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Other Sites Evaluated

- Remaining debris not eligible for cleanup under the FUDS program, planned for NALEMP cleanup activities
 - Site 1C North Beach (underwater debris)
 - Site 15 Troutman Lake (underwater debris)
 - Site 19 Diatomaceous Earth
 - Site 21 Toe of Sevuokuk Mountain
 - Site 22 Former CAA Housing
 - Site 23 Debris moved from High School construction

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TIMELINE

AUGUST 23, 2004:	Public Comments Due
SEPTEMBER 2004:	Responsiveness Summary
OCTOBER 2004:	Decision Document
FALL/WINTER 2004:	Design Remedial Action
EARLY 2005:	Advertise/Select Contractor
SUMMER 2005:	Fieldwork
WINTER 2005:	Draft Report

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QUESTIONS?



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Safety Around Military Ammunition

- Types of ammunition:
 - Small arms, mostly 0.30-caliber rounds
 - Old military items such as hand grenades may also be present
- Description:
 - Military munitions have a full metal jacket/sheath
 - Typically inert but 0.30-caliber rounds may contain tracer elements.
 - Ammunition that has been doused in gasoline or diesel fuel and burned, buried in high-moisture content gravels, or immersed in water for extended periods is unlikely to be functional

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Safety Around Military Ammunition



NEVER TRY TO SHOOT DISCARDED AMMUNITION WITH A RIFLE

You could seriously injure yourself or damage your rifle!

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Safety Around Military Ammunition



NEVER TOSS AMMUNITION INTO A FIRE

Old rounds aren't firecrackers - they could explode and cause injury to yourself or others!

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Safety Around Military Ammunition



NEVER PLACE SMALL ARMS ROUNDS IN AN OVEN

Trying to dry out old ammunition is not worth the risk of explosion or starting a fire!

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Safety Around Military Ammunition

If items other than small arms ammunition are discovered, you should immediately contact your Village Public Safety Officer (VPSO)



Military Hand Grenades

- Do not pick up or move the item!
- Write down the location of the potentially dangerous item.
- Mark the site and provide a reference using known landmarks so it can be found again.
- Photograph the item, if possible

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Emergency Contact Information

**City of Gambell
Police Department & VPSO
985-5333**

**Nome Alaska State Trooper Post
(907) 443-2835**

**U.S. Army 716th Ordnance Company
Fort Richardson, Alaska
(907) 384-7600 or**

24hr Emergency Line (907) 384-7603

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Public Meeting

July 21, 2004

GAMBELL

Proposed Plans

Morgan - Other contaminants @ Site 7
Transformer
Other contractor - not MWH

Winnie - Transformer Ponds @ Site 7
are buried

Jessie L. - what was the source of the
As @ Site 7?
wants to know.

Pam M. - why will GW not be cleaned
up if it exceeds cleanup levels

Merle A. - Storm surge 1 1/2 days

Jeff B. - Small amount of few contam. - can't
get to water supply

Jessie - Ponds fill about

Impressions or ponds

① Tunuliq Imtuk farthest north
Uyavak farther south

Morgan - MWOT drilled in wrong place to detect GW

Winnie - Didn't dig in right place for ammo near mountain.

Morgan spoke to Winnie in Yupik about Site 12.

~~Aaron~~ who will take away the Morston Meeting

Winnie - City Dump is full. Site 23 cleanup will help alleviate this.

Morgan - A look @ Site 6.

Saturated organics in barrels.

Diatomaceous Earth - Jessie + Aaron asked about it. ^{is it contain?} _{what is it?}

Morgan - When will BW sampling begin
Late June - Mid July best

PAM - Not enough time - End of month.

Winnie - Tell the High School about
the ammunition

Morgan - Survey around High School incomplete

Merle - Bob Sanders did a cleanup of ammo
around school
That's why Earth Tech didn't find
any

Winnie - 50 cal. has some explosive in the
bullet itself

Jessie - Listen to Winnie, document it.

Winnie - Air force dumped barrels in the ocean
350 miles south of GAMBEU
6 LST loads

Jessie asks Winnie a question in Yupik
Ref. Capt. Parker Major Relack
1/2 Indian 1/2 white

Jessie - Get the elders together and get their stories documented

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MWH 7/17/03 PRE-CON Meeting

Changes Clause - Bilateral

Not encouraged to do extra work (beyond scope)

Disputes Clause - QAR cannot change contracts
Request for equitable adjustment

- CO decides w/input from PDT

Lines of Communication

MWH → QAR → COR → CO
Don Carlson

Skipped prompt payment items

Quality Control

Daily Reports w/space for QAR comments

Due next day - hard copy OK, should transfer to electronic version

Safety, (Celebrate Safety) Active involvement

Red Book is the Standard

Variance will be allowed if equipment rented in Gambell is lacking. Loader will be rented as needed. ATVs - can be rented since SNUQA will have list - cash only for ATVs

Excavation protection - not needed because MWH will not be going in hole.

Bring some food, meals (lunch & dinner) are usually provided. Microwave only, V. limited refrigerator space. Bring H₂O.

Contractor Rating Sheets - Performance Evaluation

Invoicing - NPA 15 (FORM) for submitting pay estimates
running total

ENG FORM 93 for pay invoices

FS

Volume calculations @ 13 sites

Maps, change samples to confirmation

Location maps 27, 22, 13
as or them