

Northeast Cape Formerly Used Defense Site (FUDS) Restoration Advisory Board (RAB) Meeting

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Project Manager

June 14, 2012



US Army Corps of Engineers
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AGENDA

- Welcome/Introductions 5:30 pm
- Old Business 5:45 pm
- Northeast Cape FUDS Project Update 6:00 pm
 - ▶ Recent Reports
 - ▶ December Dialogue Meeting
- Break 6:15 - 6:30 pm
- ▶ 2012 Scheduled Work 6:30 pm
- NVS NALEMP Project Update 7:00 pm
- Wrap Up 7:15 pm
- Adjournment EARLY! 7:20 pm



Review of Meeting Minutes

- Additional copies available



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Review of Action Items

1. Dean Kulowiyi and/or other community members to tell Robert Annogiyuk about locations of barrels, debris, other military concerns around the Island for inclusion in the NALEMP SPIP.
2. USACE to investigate taking samples along the road to the former Radar Station in area of dead vegetation.



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Review of Action Items (con't)

3. Videos were distributed to Dean Kulowiyi, Muffy Iya, and George Noongwook. Anyone interested in viewing field work activities should contact them.
4. Continue conversation about the petroleum contamination near the main complex and into the wetlands area to the north. Give any ideas or input to USACE.



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Submitted Reports

1. Site 28 Technical Memorandum
February 2012 - Final
2. 2011 Removal Action Report
February 2012 – “Draft Final”
3. 2012 Work Plans
May 2012 – *Draft in Comment Period*



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December 2011 Dialogue Meetings Savoonga & Gambell

- USACE, EPA, ATSDR, ACAT, ADEC, Communities

Key Issues

- Military Cleanup
- Health Issues
- Improved Communication



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Trip Report – Dialogue Meetings

- Information Repositories
- <http://db.tt/coXTuoX6> (Full trip report, pictures and attachments, 19 MB. If this document is too large, you can open just the text of the document below.)
- <http://db.tt/tyPlftSN> (Text of the trip report only, 278 KB)



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Dialogue Meeting Action Items

- EPA reviewed the Army Corps environmental cleanup efforts and a draft copy of this document can be found at: <http://db.tt/VBHw4dN6>
- Estimate how long natural attenuation will take to cleanup groundwater at NE Cape (USACE, Ron Scrudato, ADEC).

Dialogue Meeting Action Items

- Additional water sampling in Suqi River and Site 28
- ATSDR to review Savoonga's request to conduct a public health assessment on Saint Lawrence Island.



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ATSDR Approval

- Initiate studies in 2013
- Cannot determine actual cause of disease
- Cannot distinguish FUDS source vs. global POP source
- Can assess whether SLI residents are being exposed to harmful contaminants
- Recommend how to reduce exposures



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Dialogue Meeting Action Items

- ACAT to follow up with IRT Arctic Care, Norton Sound Health Corporation, Cancer Registry in Anchorage
- Other items and contact info in Trip Report and Kristie Parker Celico memorandum



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2012 Field Season

- Contract with Bristol Environmental (March 2012) for \$6 Million
- \$7.5 Million remains on the \$19.2 Million contract awarded last year
- Additional funding by end of June



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2012 Field Season Tasks

Off-island removal of soil supersacks left over the winter at NE Cape



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2012 Field Season Tasks

Soil sampling for DRO and PCBs at Cargo Beach, Site 6, and the Bristol refueling area (ISO tanks) bagged soil staging areas



2012 Field Season Tasks

Removal and disposal of dangerous poles and wire from tundra areas



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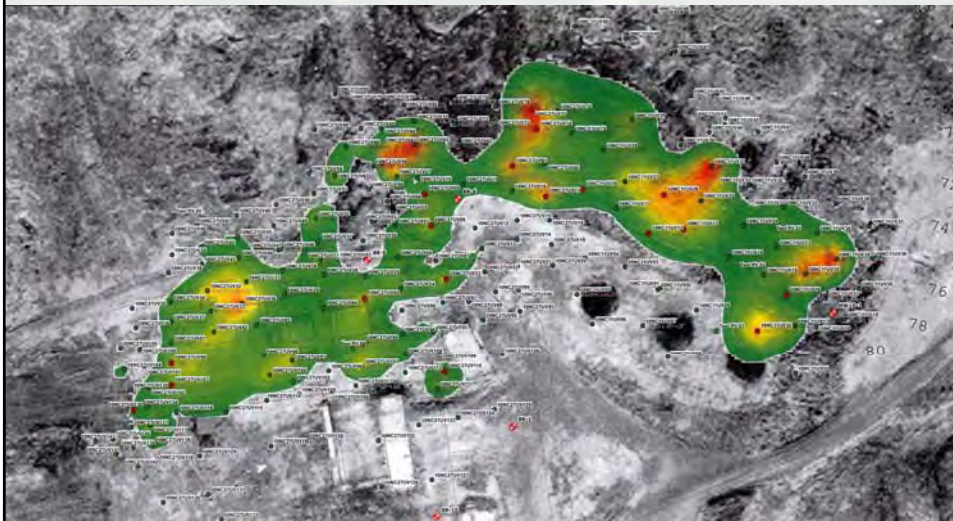
2012 Field Season Tasks

Excavation and disposal of petroleum-contaminated soils at the Main Operations Complex (MOC) Sites



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Main Complex POL-contamination



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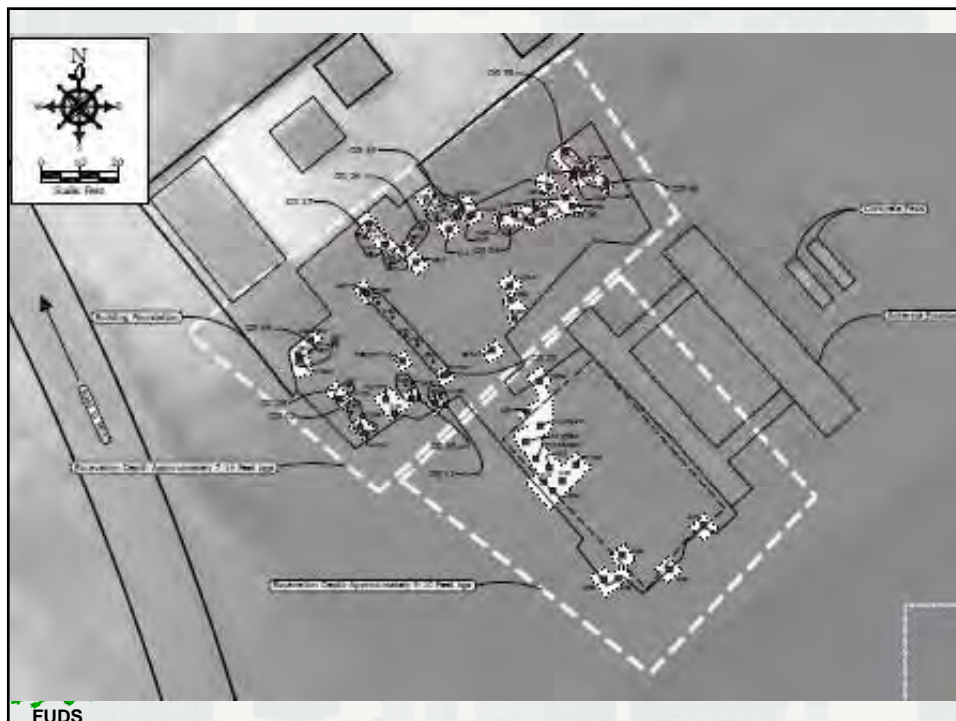
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2012 Field Season Tasks

Excavation and disposal of PCB-contaminated soils
from Site 13 (Heat and Power Plant) and Site 31
(White Alice Communications Station)



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FUDS

2012 Field Season Tasks

Excavation and disposal of arsenic-contaminated soil
from Site 21 Wastewater Treatment Tank



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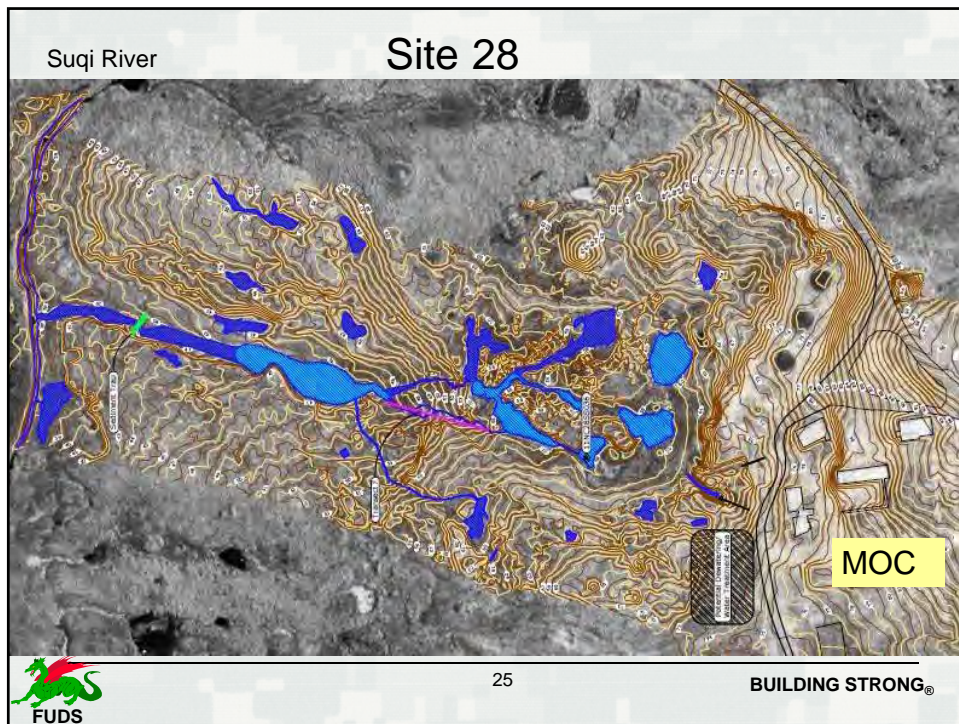
2012 Field Season Tasks

Sediment characterization at Site 28 (Drainage Basin)
and Phase I sediment removal



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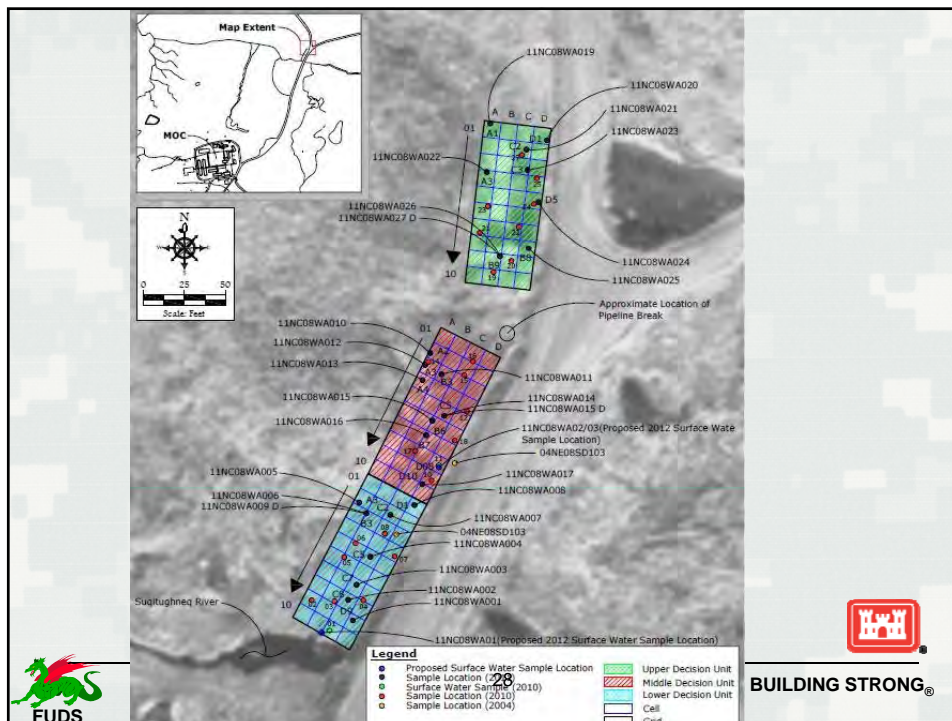


2012 Field Season Tasks

Monitored Natural Attenuation (MNA) of petroleum-contaminated sediment and surface water at Site 8



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2012 Field Season Tasks

MNA of groundwater from monitoring wells in the vicinity of the MOC



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Table 3-1 Historical Sampling Results from Wells within the MOC

	Matrix	Water	Water	Water	Water	Water
	Method	8260B	AK101	AK102	AK103	RSK-175
	Analyte	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	RRO (mg/L)	Methane (mg/L)
	Cleanup Level	0.005	1.3	1.5	1.1	N/A
	Unit	mg/L	mg/L	mg/L	mg/L	µg/L
Well ID	Year					
88-4	2004	0.0337	1.25	3.89	1.46	---
	2010	0.0024	0.24	3.3	0.43 M	2,100
	2011	0.0094	0.4	2.3	0.55	2,100
88-10	2004	0.0004 U	0.0357	1.38	0.549 U	---
	2010	0.00015 U	0.044 U	1.6	0.036 J	0.4 M
	2011	0.00045 U	0.044 U	0.54	0.15	1.8
88-5	2004	0.0093	1.5	11.3	2.28	---
	2010	0.0093	0.19	12	1.6	99 M
	2011	0.020	0.24	7.5	2	630

Notes:

--- = not sampled

µg/L = micrograms per liter

AK = Alaska Test Method

DRO = diesel range organics

M = matrix effect was present

mg/L = milligrams per liter

MOA = Main Operations Complex

N/A = not applicable

2012 Field Season Tasks

Excavation and disposal of drums at Site 10



Questions?



Native Village of Savoonga NALEMP

- FY12 Cooperative Agreement
 - ▶ Robert Annogiyuk, Project Manager
 - ▶ Bristol Environmental, Consultant
- Proposed Tasks
 - ▶ Collect and remove remaining non-burnable debris from the Native Village of NE Cape (NVNC)
 - ▶ Containerization, transportation and disposal of non-hazardous metallic and non-burnable debris
 - ▶ Perform a comprehensive Site Investigation and environmental sampling program at the NVNC



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Collect and remove remaining non-burnable debris from the Native Village of NE Cape (NVNC)





Containerization, transportation and disposal of non-hazardous metallic and non-burnable debris



Perform a comprehensive Site Investigation and environmental sampling program at the NVNC

Native Village of Savoonga NALEMP

- FY11 Cooperative Agreement (CA) - \$514,206
plus MOD 02 (lead disposal) – Total = \$544,594
- FY12 Planned CA - \$550,461
plus FY11 MOD 01 – Total = \$615,364

FY11 MOD 01, Option Task 1 = Removal of
containerized waste (drums, batteries)



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Undecided



Lead-based paint abatement in the 3
remaining cabins at NVNC³⁸

Questions?

