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MINUTES FROM RESTORATION ADVISORY BOARD MEETING 19 JUNE 2008 NSWC INDIAN HEAD MD
6/19/2008
NSWC INDIAN HEAD

591

78

INSTALLATION RESTORATION PROGRAM

NAVFAC

NAVAL SUPPORT FACILITY,
INDIAN HEAD
101 STRAUSS AVENUE
INDIAN HEAD, MARYLAND
20640-5035

RESTORATION ADVISORY BOARD (RAB) MEETING

Date of Meeting: June 19, 2008, 5:00 pm

Restoration Advisory Board (RAB) Member Participants:

Mr. Elmer Biles (C)
Mr. Curtis DeTore (S)
Mr. Jeff Bossart (N)
Mr. Joseph Rail (N)*
Mr. Nathan Delong (N)

Additional Attendees:

Mr. Gary Wagner (N)
Mr. Butch Dye (S)

* Co-Chair

C = Community
F = Federal Official
K = Contractor
L = Local Official
N = Navy Official
R = Newspaper Reporter
S = State Official

ENCLOSURE (1)

NAVAL SUPPORT FACILITY, INDIAN HEAD
INSTALLATION RESTORATION (IR) PROGRAM
RESTORATION ADVISORY BOARD (RAB) MEETING AGENDA

June 19, 2008

5:00 - 5:05	**ARRIVAL/WELCOME** Mr. Joseph Rail Naval Facilities Engineering Command, Washington (NAVFACWASH) Remedial Project Manager
5:05 – 5:25	**SITE 28 REMOVAL ACTION UPDATE** Mr. Joseph Rail
5:25 – 5:45	**SITE 6 REMOVAL ACTION UPDATE** Mr. Joseph Rail
5:45 – 6:15	**IH MAIN AREA MRP SITE INSPECTION OVERVIEW** Mr. Joseph Rail
6:15	**ADJOURN**

Attachment A

NAVFAC

NAVAL SUPPORT FACILITY, INDIAN HEAD

Site 28 Soil Removal Action Update

Joseph Rail
NAVFAC Washington

June 2008

1

NAVFAC

Site 28- Original Burning Ground

- ***Background***
  - *1.8 acre site in northeastern corner of NSF-IH property*
  - *bordered by Slavin's Dock and Mattawoman Creek*
  - *location of zinc recovery furnace and shoreline burning cage*
- ***Completed Work***
  - *Final RI completed in April 2005*
  - *Final BERA and Final EE/CA completed in September 2006*
  - *Action memorandum to complete non-time critical removal action completed in June 2007*

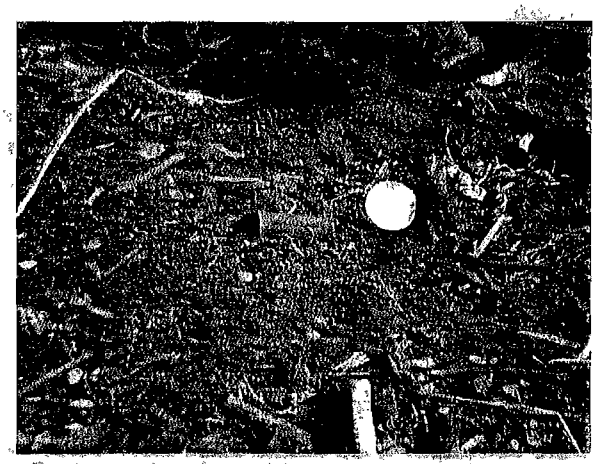
2

Site 28- RA Update

Site 28- RA Update

- ***Completed Work (continued)***
  - *Work began in October 2007*
  - *3 single-base propellant grains discovered in November 2007*
  - *Project shut down for preparation of ESS & MOA between NAVFACWASH, NSF-South Potomac, and Indian Head NSWC*
  - *ESS approval/MOA signature completed in February 2008 at which time project resumed*

Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

- *NOSSA Audit*
  - *Conducted on March 18, 2008*
  - *Purpose is to assess:*
    - *Compliance with explosives safety requirements*
    - *Whether final remedy is protective of human health and environment and consistent with future land use*
  - *Scope included review of*
    - *Personnel training and certification*
    - *QA/QC processes*
    - *Document and record control*
    - *MEC detection and clearance operations*
    - *Explosives handling, transportation, storage, and treatment*

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Site 28 RA Update

- *NOSSA Audit Results*
  - *MPPEH present at site (mostly propellant cans, lids, and rings)*
  - *ESS amendment now required to address MPPEH*
  - *Soil screening to ¼" required to collect all grains*
  - *Since original ESS didn't include language to address MPPEH (other than propellant grains), work was shut down*
- *Current Status*
  - *Amended ESS approved by NOSSA on April 8, 2008*
  - *Revised MOA submitted for signature on April 1, 2008*
  - *Soil to be screened by 5-inch, 1 ½" and ¼" screens*
  - *MPPEH to be certified, demilled, and disposed off-site*
  - *Same screening procedure to be used at Site 11 stockpile*

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Site 28 RA Update

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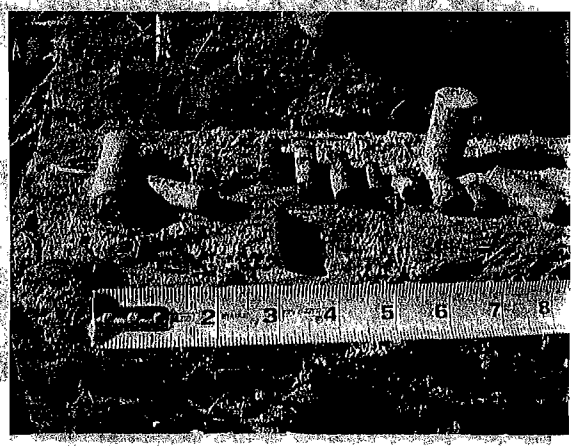
Site 28 RA Update



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Site 28 RA Update

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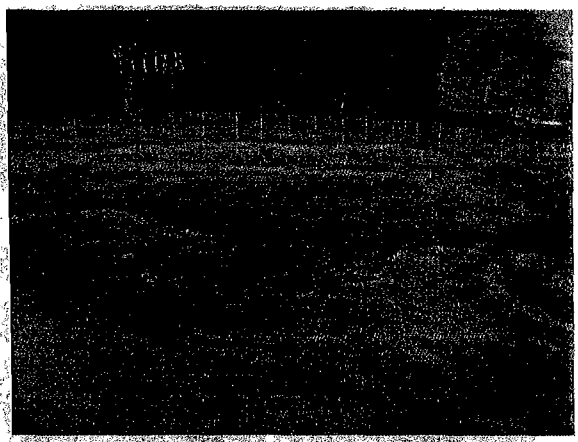
Site 28 RA Update



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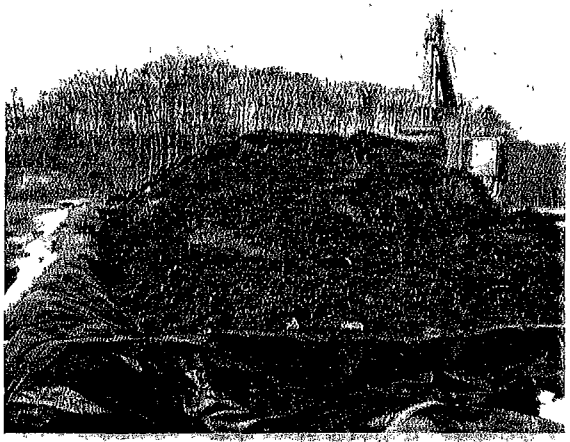
Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

- ***Current Status (continued)***
  - *Excavation & screening underway*
  - *Over 1,200 additional CY of material removed*
  - *Several weather-related delays*
  - *Storm damage repairs made*
  - *Installation of new drainage features*
  - *Excavation/screening expected to be completed by August 2008*
  - *Additional work added approximately $600K to project cost*

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Site 28 RA Update

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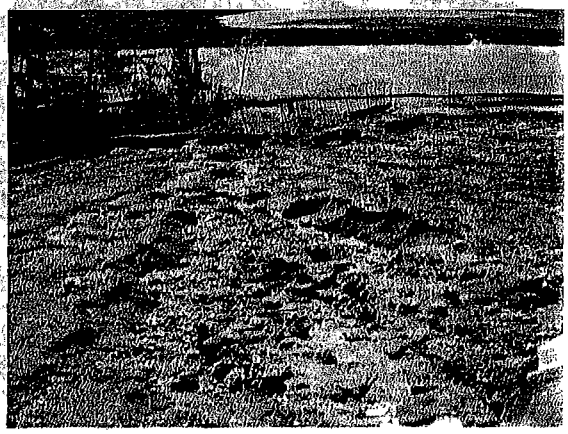
Site 28 RA Update



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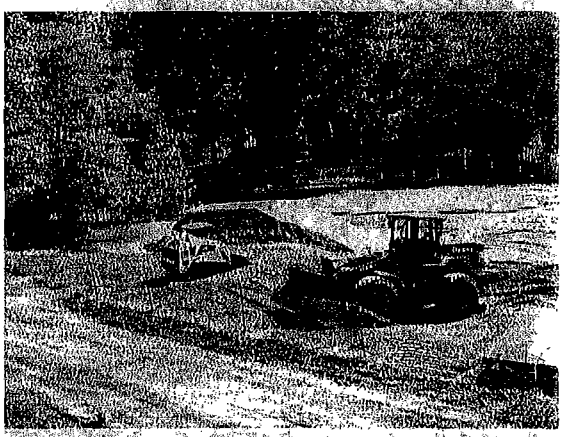
Site 28 RA Update



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Site 28 RA Update

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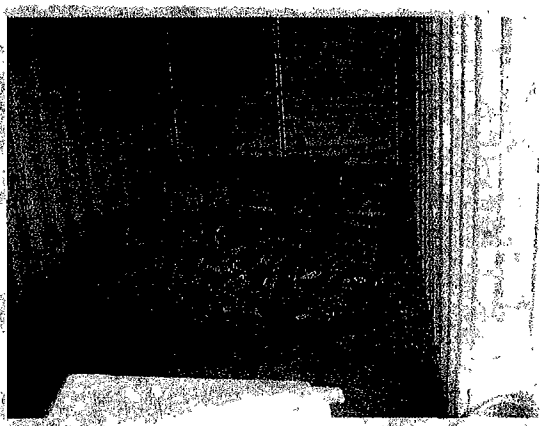
Site 28 RA Update



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Site 28 RA Update

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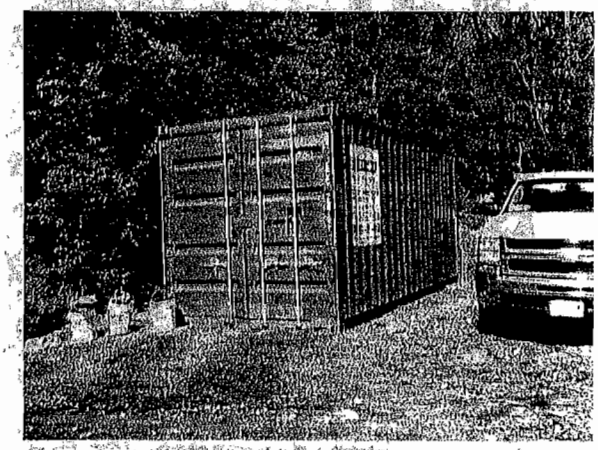
Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

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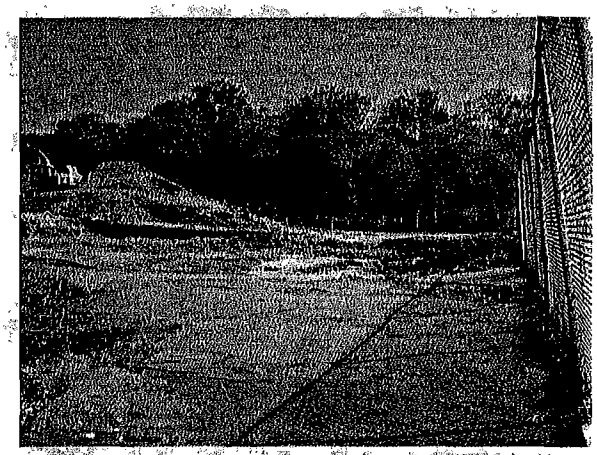
Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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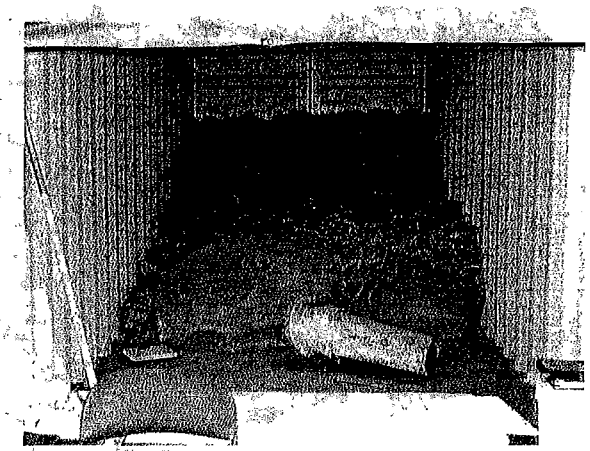
Site 28 RA Update



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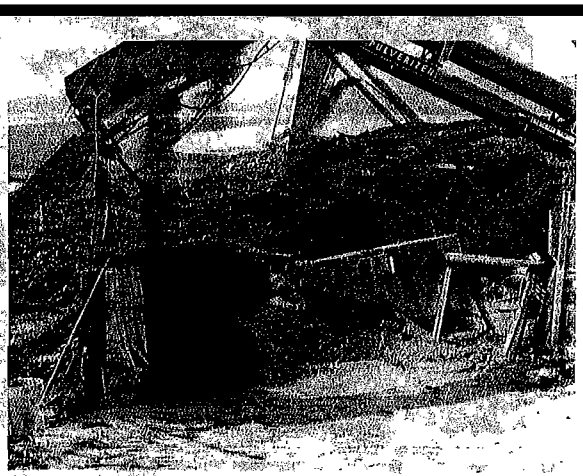
Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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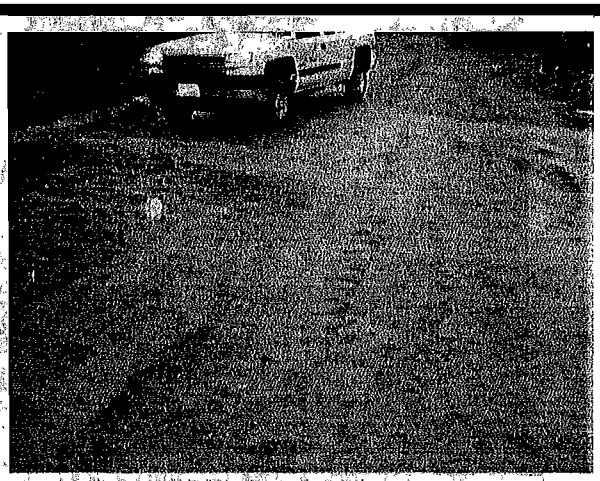
Site 28 RA Update



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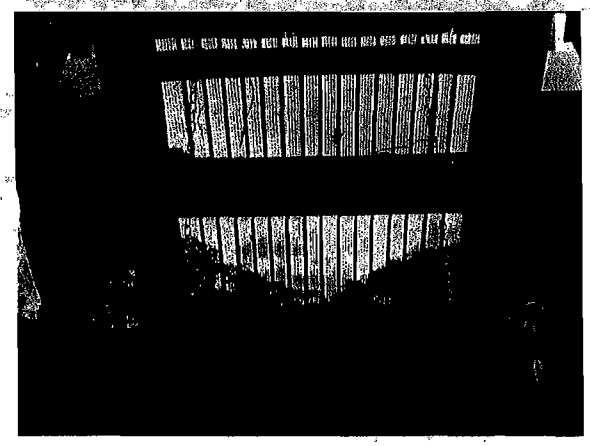
Site 28 RA Update



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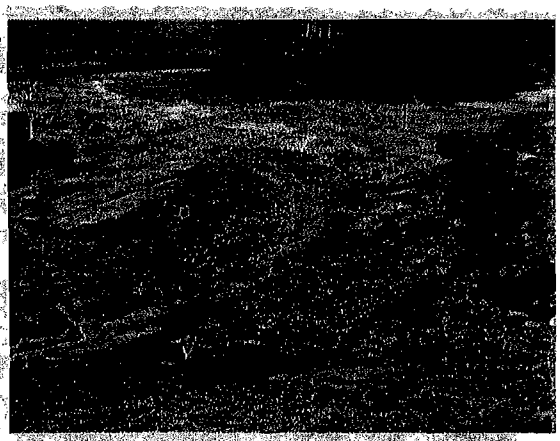
Site 28 RA Update



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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

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Site 28 RA Update

Questions?

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Site 6 (Fenced Area) Removal Action

Presented to

Indian Head RAB

June 19, 2008

AGVIQ
CH2M HILL

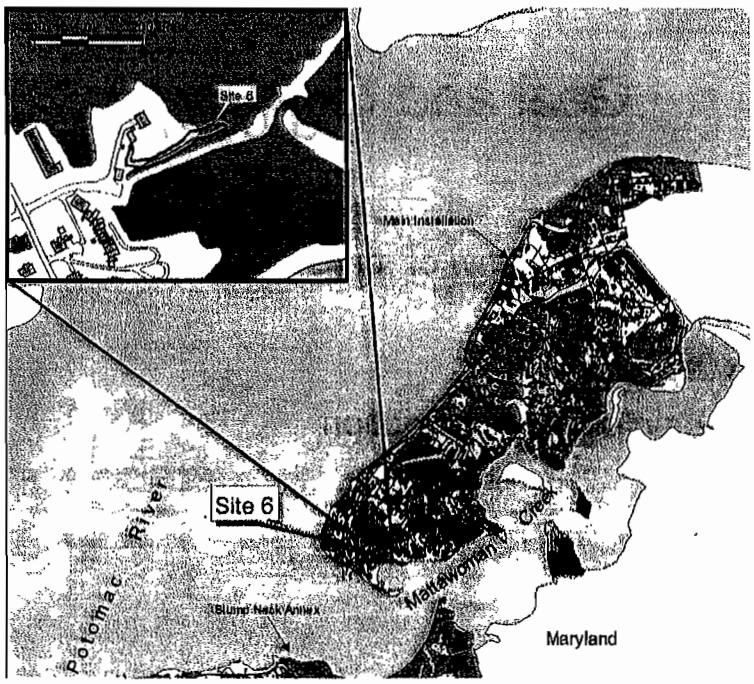
Goal and Outcome

- Goal
  - Present overview of removal action and work plan
- FY08 Goal
  - Complete removal action

Attachment C

Outline of Work Plan

- Introduction
- Site Background and History
- Removal Action Design Elements
- Removal Action Implementation
- Project Management Plan
- References
- Appendices
  - Appendix A—Project Schedule
  - Appendix B—Excavation and Material Handling Plan
  - Appendix C—Quality Assurance Plan
  - Appendix D—Health and Safety Plan
  - Appendix E—Erosion and Sediment Control Plan



Introduction

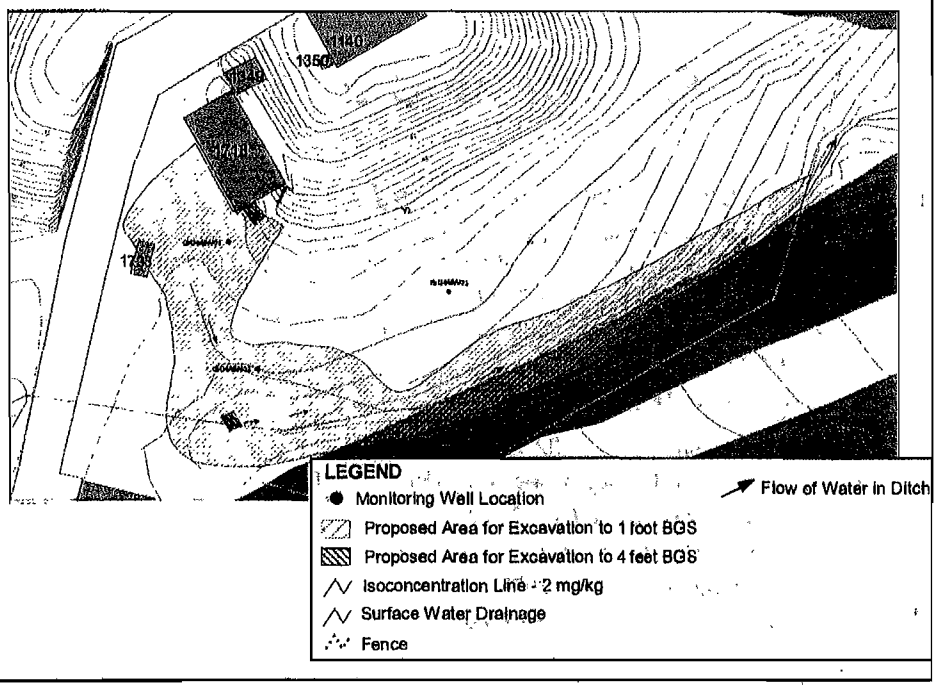
- Purpose of Removal Action
  - To achieve RAO, which is to remove and dispose of silver-contaminated surface and subsurface soil
- Scope of Removal Action
  - Mobilize
  - Excavate, transport, and dispose soils
  - Backfill excavation
  - Abandon three monitoring wells
  - Repair drainage swale and install metal culvert
  - Restore site
  - Demobilize

Site Background and History

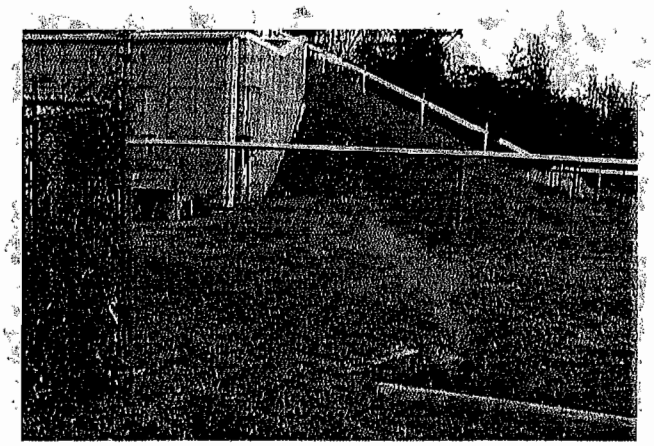
- Site Description and History
- Site 6 consists of Building 1349 (former control building, currently used for storage), Building 1718 (current control building), and Building 1140 (radiographic accelerator building)
- A drainage ditch extends south of Building 1718 and then eastward from the low area to the fence line
- Previous Investigations
- Initial Assessment Study (IAS)- 1983
- Phase II RCRA Facility Assessment (RFA)- 1988
- Remedial Investigation (RI)- 2004
- Baseline ERA (BERA) Tech Memo- 2004
- Pre-excavation sampling- 2006
- EE/CA & Action Memorandum- 2007

Removal Action Design Elements

- Removal Action Objective
- Removal Action Performance Goal
- Removal Action Description
  - Excavation of approximately 8,500 sf / 323 cy
    - Excavate to 1 foot bgs within 2 mg/kg isoconcentration line
    - Excavate to 4 foot bgs at two discrete locations
  - No confirmation sampling
  - Soil assumed to be non-hazardous

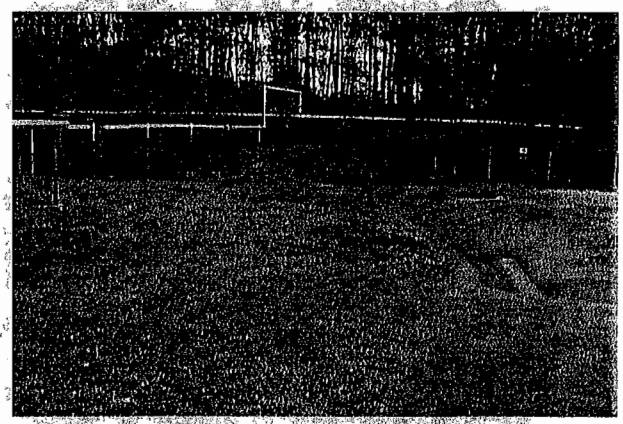


Site 6



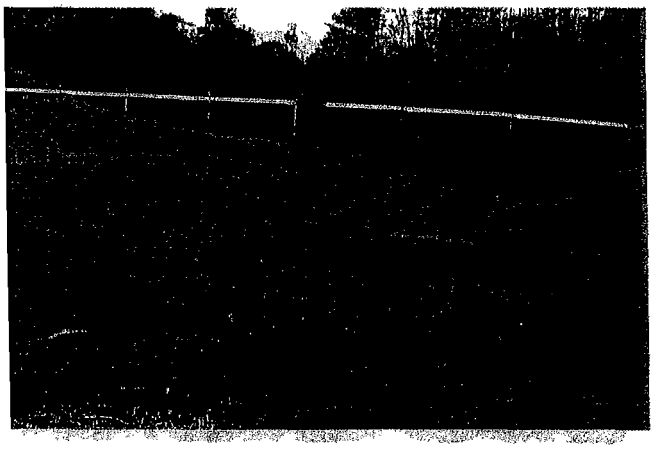
View looking north towards Building 1718

Site 6



View looking southeast

Site 6



View looking northeast showing swale removal area

Site 6

View looking southwest just inside of fence

Removal Action Implementation

- Pre-Construction Activities
  - Disposal Characterization
    - Full-suite TCLP, RCRA 8 metals, ignitability, corrosivity, pH, and reactivity
  - Pre-Mobilization Coordination
    - Utility clearance
    - Haul route review
    - Pre-construction meeting

Removal Action Implementation

- Pre-Construction Activities (cont'd)
  - Mobilization
  - Site Preparation
  - Site Clearing
  - Work Zone Delineation
  - Erosion and Sediment Controls
  - Spill Prevention

Removal Action Implementation

- Construction Activities
  - Excavation
  - Soil Stockpiling
  - Nuisance Water Management / Excavation Dewatering

Removal Action Implementation

- Post-Construction Activities
  - Backfill
  - Waste Management
  - Site Restoration
  - Site Cleanup/Demobilization

Project Management Plan

- Project Organization and Responsibilities
- Project Meetings
- Project Submittals

Appendices

- A—Project Schedule
- B—Excavation and Material Handling Plan
- C—Quality Assurance Plan
- D—Health and Safety Plan
- E—Erosion and Sediment Control Plan

Questions?

IHIRT
NSF,INDIAN HEAD

Main Installation MRP SI Overview
June 2008

Joseph Rail
NAVFAC Washington

1

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SI (Site Inspection) Objectives:

- *Build upon PA information*
- *Perform field surveys including sampling*
- *Outline potential sources*
- *Define MEC and MC site boundaries*
- *Expand conceptual site models (CSM)*
- *Recommend future site actions*

2

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Main Installation Sites include:

- *FDR Skeet Range*
- *Gate 3 Burning Ground*
- *NG Slums Burning Ground*
- *Safety Thermal Treatment Point*
- *Single Base Propellant Grains Spill Area*
- *Southwestern Pistol Range*
- *The Valley*
- *Igniter Area (water range)*
- *Water Impact Area (water range)*
- *Battle Range Firing Area (water range)*
- *Sonar Training Area (water range)*
- *Pope's Creek (water range)*
- *Chemical Warfare Area (AOC)*

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Table 1: Main Installation Summary
(Prioritization and Recommendations)

	FDR Skeet Range	Gate 3 Burning Ground	NG Slums Burning Ground	Safety Thermal Treatment Point
Prioritization Score of 2: highest priority Score of 8: lowest priority	8	6	6	6
Recommendations* MEC/MC	NFA/SI	SI/SI	SI/SI	SI/RI

*NFA=No Further Action
SI=Site Inspection
RI= Remedial Investigation
RA=Removal Action

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Table 1: Main Installation Summary (Continued) (Prioritization and Recommendations)

	Single Base Propellant Grain Spill Area	Southwestern Pistol Range	The Valley
Prioritization Score of 2: highest priority Score of 8: lowest priority	7	8	5
Recommendations MEC/MC	SI/RI	NFA/SI	SI/SI

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Table 2: Main Installation Water Range Area Summary (Prioritization and Recommendations)

	Igniter Area	Water Impact Area	Battle Range Firing Area
Prioritization Score of 2: highest priority Score of 8: lowest priority	3	4	4
Recommendations MEC/MC	RA/SI	SI,RI/RI	SI/NFA

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Table 2: Main Installation Water Range Area Summary (Continued) (Prioritization and Recommendations)

	Sonar Training Area	Pope's Creek	
Prioritization			
Score of 2: highest priority	6	5	
Score of 8: lowest priority			
Recommendations			
MEC/MC	SI/NFA	SI/NFA	

7

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FDR Skeet Range

- ***34 acre range***
- ***Used as a recreational skeet range between 1940's and 1960's***
- ***No MEC observed, MC of concern are lead and PAH***

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FDR Skeet Range

Recommendations-

- *NFA for MEC and SI for possible MC presence*
- *Verify presence of MC in suspected range area*

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Gate 3 Burning Ground

- *0.23 acre site*
- *Potentially used as a burning ground*
- *Potential MC and MEC (types of explosives potentially burned unknown)*

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Gate 3 Burning Ground

Recommendations-

- *SI for both MEC and MC*
- *Focus on verifying presence of MEC and/or MC*

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NG Slums Burning Ground

- *0.3 acre site*
- *Reportedly used as an open burning ground for NG slums generated at NG production facilities*
- *Potential for MEC and MC*
- *MC are suspected to be limited to NG*

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NG Slums Burning Ground

Recommendations-

- *SI for both MEC and MC*
- *Limited SI for MEC (no removals, but explosive soils may exist)*
- *Verify presence of MEC and/or MC*
- *If no confirmation of MEC or MC, NFA may be pursued*

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Safety Thermal Treatment Point

- *1.6 acre site*
- *Used as open burning ground for projectiles, CAD/PAD's, primers, high explosives, and various other pyrotechnics*
- *MEC and MC suspected (MC may be TNT, RDX, torpex, PETN, dynamite, propellants, and metals)*

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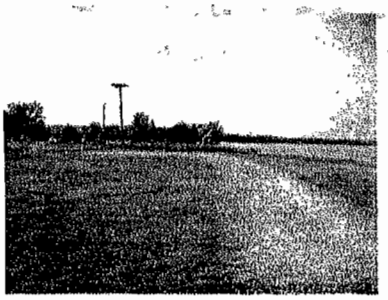
Safety Thermal Treatment Point



Recommendations-

- ***Additional investigation for MEC and MC***
- ***SI for MEC, MC move directly to RI***
- ***SI for MEC to confirm presence and determine if removal action needed***

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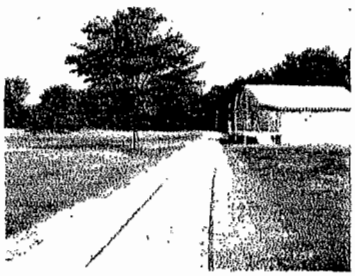
Single Base Propellant Grains Spill Area



- ***52 acre site***
- ***Used as an area of rail transportation for base (propellant grains spilled during transport)***
- ***Single base propellant grains observed by base personnel***
- ***MEC and MC suspected (MC includes nitrates and diphenylamine)***

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Single Base Propellant Grains Spill Area

Recommendations-

- *Further investigation recommended for MEC and MC*
- *SI for MEC (defining extent of impacts to soil from single base propellant grains)*
- *Move directly to RI for MC*

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Southwestern Pistol Range

- *1.3 acre site*
- *Used primarily for small arms (pistol) training*
- *Primary MC of concern is lead*
- *MEC is not expected to be present*

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Southwestern Pistol Range

Recommendations-

- *NFA for MEC*
- *SI for MC*
- *Soil collection and analysis for metals*

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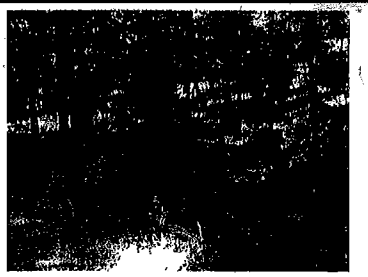
The Valley



- *21 acre site*
- *Used from 1891 to 1921 for experimental research, development, and testing of Navy ordnance*
- *Ordnance included gun proving and testing projectiles, armor plates, primers, fuses, powder, and mines*
- *MEC and MC suspected on site*

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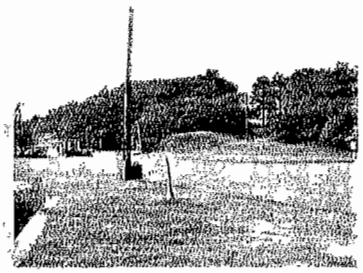
The Valley



Recommendations-

- ***SI for MEC and MC***
- ***SI focus on determining if MEC present and if removal action is necessary***
- ***MC soil samples analyzed for metals and explosive residue***
- ***Further delineation may be needed prior to selecting remedial alternative***

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Igniter Area

- ***0.01 acre site***
- ***Pile of igniters found in 1996 or 1997 during extreme low tide***
- ***Origin, dates of use, and dates of disposal unknown***

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Igniter Area

Recommendations-

- *Removal Action for MEC*
- *SI for MC*
- *SI includes sediment sampling for explosive residuals and metals*

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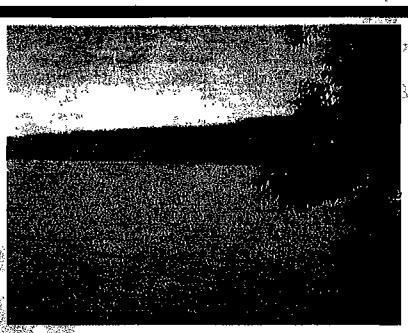
Water Impact Area



- *12,296 acre site*
- *Operations included rockets and gun testing (from the Valley), remnants of ordnance and bulk propellant, and underwater explosion testing in Potomac River*
- *MEC and MC suspected on site*

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Water Impact Area

Recommendations-

- *Further investigation for MEC and MC*
- *SI for MEC*
- *RI for MEC and MC immediately following SI*

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Battle Range Firing Area

- *340 acre site*
- *Used to test 3, 5, 8, 12, and 14 inch AP shells*
- *MEC and MC (explosives and metals) suspected*

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Battle Range Firing Area

Recommendations-

- ***SI for MEC***
- ***NFA for MC (based on anecdotal evidence)***
- ***SI focus on present MEC and further action***
- ***Further action for MC may be recommended if MEC found***

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Sonar Training Area

- ***2.1 acre site (1.5 acres over water, 0.6 acres over land)***
- ***Used for sonar training by Navy divers during 1980's to mid 1990's***
- ***MEC observed on site (entire area suspected for MEC)***
- ***MC not suspected since tested items supposedly inert***

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Sonar Training Area

Recommendations-

- *SI for MEC*
- *SI focus on determining presence of MEC and whether removal action is necessary*
- *NFA for MC (inert ordnance)*

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Pope's Creek

- *Located off-base, southeast of NSF Indian Head*
- *Testing area is 44 acres, publicized safety zone is 841 acres*
- *Used for underwater explosion testing in 1940's*
- *Entire Pope's Creek site is a suspected MEC area*
- *Unknown types of munitions, though likely include TNT*

30

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Pope's Creek

Recommendations-

- *SI for MEC (over entire 44 acre testing area)*
- *SI focus on MEC presence to necessitate further investigation*
- *NFA for MC (based on anecdotal evidence)*
- *If MEC found, MC may be further investigated*

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IHIRT
NSF,INDIAN HEAD

Chemical Warfare Area

- *Currently an Area of Concern (AOC)*
- *Not included in PA*
- *History, usage, and background to be investigated during SI*
- *If existence is verified, could become an additional site*

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IHIRT
NSF,INDIAN HEAD

Questions???

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TABLE 1-1

INSTALLATION RESTORATION (IR) SITES,
and SOLID WASTE MANAGEMENT UNITS (SWMUs)
MAIN AREA AND STUMP NECK
NSF,IH,INDIAN HEAD, MARYLAND

IR Site ID	SWMU ID	MRP UXO ID	Name	Main Area (MA)/ Stump Neck (SN)	Relative Risk	FFA Group	Status	Comments
			IR SITES					
1			Thorium Spill	MA	Low	SSA	SSP	
2			Waste Crank Case Oil Applied to Torrence Road	MA	Low	SSA	NFA	
3			Nitroglycerin Explosion, Nitration Building Area	MA	Low	SSA	NFA	
4			Lloyd Road Oil Spill Sites	MA	Low	SSA	NFA	
5			X-Ray Building 731	MA	Medium	SSA	NFA	
6			Building 1349, Hypo Spill	MA	High	RI/FS	RA	
7			Building 682, HMX Spill	MA	Medium	SSA	NFA	
8			Building 766, Mercury Deposits	MA	High	SSA	SSP	
9			Patterson Avenue, Oil Spill	MA	Low	SSA	NFA	
10		9	Single-base Propellant Grains Spill	MA	Low	SSA	PA/SI	Included in MRP
11			Caffee Road Landfill	MA	High	RI/FS	RI/FS	
12			Town Gut Landfill	MA	High	RI/FS	LTM	
13			Paint Solvents Disposal Ground	MA	High	RI/FS	NFA	
14			Waste Acid Disposal Pit	MA	High	SSA	NFA	
15			Mercury Deposits in Manhole, Fluorine Lab	MA	High	RI/FS	RI/FS	
16			Laboratory Chemical Disposal	MA	High	RI/FS	RI/FS	
17			Disposed Metal Parts Along Shoreline	MA	High	RI/FS	RI/FS	
18			Hog Island	MA	Low	SSA	NFA	
19			Catch Basins at Chip Collection Houses	MA	Low	SSA	SSP	
20			Single-base Powder Facilities	MA	Low	SSA	NFA	
21			Bronson Road Landfill	MA	High	RI/FS	RI/FS	
22		6	NG Slums Burning Site	MA	Low	SSA	PA/SI	Included in MRP
23			Hydraulic Oil Spill Discharges From Extrusion Plant	MA	Low	SSA	NFA	
24			Abandoned Drain Lines	MA	Medium	SSA	NFA	
25			Hypo Discharge X-Ray Building No. 2	MA	High	RI/FS	NFA	
26			Thermal Destructor 2	MA	Low	SSA	NFA	
27			Thermal Destructor 1	MA	Low	SSA	SSP	
28		8	Original Burning Ground	MA	High Medium	SSA	RA	
29		11	The Valley	MA	Low	SSA	PA/SI	Included in MRP
30	22	10	Stump Neck Impact Area	SN	NE	SSA	PA/SI	Included in MRP
31	23	7	Old Demolition Range	SN	NE	SSA	NFA	Active Range
32	11		Suspected Tool Burial Site	SN	NE	SSA	NFA	
33	7		Scrap Metal Pit	SN	NE	SSA	NFA	
34	8		Tool Burial Site	SN	NE	SSA	NFA	
35	9	12	Torpedo Burial Site	SN	NE	SSA	PA/SI	Included in MRP
36	10		Closed Landfill	SN	NE	SSA	SSP	
37	24	3	Causeway	SN	NE	SSA	RI/FS	
38	1		Rum Point Landfill	SN	Medium	SSA	SSP	
39			Silver Release to Sediments	MA	High	RI/FS	NFA	
40			Palladium Catalyst in Sediments	MA	Low	RI/FS	NFA	
41		32	Scrap Yard	MA	High	RI/FS	RA	Included in MRP
42			Olsen Road Landfill	MA	High	RI/FS	LTM	

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MAIN AREA AND STUMP NECK
NSF,IH,INDIAN HEAD, MARYLAND

IR Site ID	SWMU ID	MRP UXO ID	Name	Main Area (MA)/ Stump Neck (SN)	Relative Risk	FFA Group	Status	Comments
43			Toluene Disposal Site	MA	Low	RI/FS	SSP	
44			Soak Out Area	MA	Medium	RI/FS	NFA	
45			Abandoned Drums	MA	Medium	RI/FS	NFA	
46			Cadmium Sandblast Grit	MA	Low	RI/FS	NFA	
47			Mercuric Nitrate Disposal Area	MA	High	RI/FS	RI/FS	
48			Nitroglycerin Plant Disposal Area	MA	Low	RI/FS	NFA	
49			Chemical Disposal Pit	MA	High	RI/FS	RI/FS	
50			Building 103, Crawl Space	MA	High	RI/FS	RI/FS	
51			Building 101, Dry Well	MA	NE		NFA	
52			Building 102, Dry Well	MA	NE		NFA	
53			Mercury Contamination of the Sewage System	MA	High	RI/FS	RI/FS	
54			Building 101	MA	High	RI/FS	RI/FS	
55			Building 102	MA	High	RI/FS	RI/FS	
56			IW87 - Lead Contamination	MA	Low	RI/FS	NFA	
57			TCE Building 292 Area	MA	High	RI/FS	RD	
58	2		Range 3 Burn Point	SN	High	SSA	NFA	Active Range
59	3		Chicamuxen Creek's Edge Site A	SN	High	SSA	NFA	Active Range
60	4		Chicamuxen Creek's Edge Site B	SN	Medium	SSA	NFA	
61	5		Range 6	SN	Medium	SSA	NFA	Active Range
62	6	1	Air Blast Pond	SN	Medium	SSA	PA/SI	Included in MRP
63	25	2	Area 8	SN	Medium	SSA	PA/SI	Included in MRP
64	26	4	IED (+SN SWMU 19)	SN	Medium	SSA	PA/SI	Included in MRP
65	27	5	IOD	SN	Medium	SSA	PA/SI	Included in MRP
66			Turkey Run Disposal Area	MA	Low	SSA	SSP	
67			Hog-Out Facility	MA	Low	RI/FS	RI/FS	
			AREAS OF CONCERN					
	6		Used Battery Accumulation Area (Bldg. 766)	MA	NE	AOC	NFA	
	20	20	Safety Thermal Treatment Point	MA	Medium	AOC	PA/SI	Re-assigned as UXO 20
	21		Caffee Road Decontamination Burn Point	MA	NE	AOC	RI/FS	Investigate with Site 11
	27		Waste Oil Storage Area (Goddard Power Plant)	MA	Low	AOC	NFA	
	38		Caffee Road Waste Oil Storage Area	MA	Low	AOC	RI/FS	Investigate with Site 11
	69		Temp Accumulation Dumpster for Explosive Scrap	MA	Low	AOC	NFA	
	70		Temp Accum Areas for Drummed Explosive Scrap	MA	Low	AOC	NFA	
	72		Oil/Water Separators	MA	Low	AOC	NFA	
	74		Unlined Overland Drainage Ditches	MA	Low	AOC	NFA	
	4,5		Underground Storage Tanks (Bldg. 290 and 525)	MA	NE	AOC	NFA	
	40-46		Wastewater Collection/Treatment Tanks (Moser Plan	MA	Low	AOC	NFA	
	47-51		Spent Acid Storage/Treatment Tanks (Moser Plant)	MA	Low	AOC	NFA	
	64-66		Waste Water Storage Tanks (Bldg. 1596)	MA	Low	AOC	NFA	
	AOC G		Sand Blasting Sand Storage Area	MA	Low	AOC	NFA	

TABLE 1-1

INSTALLATION RESTORATION (IR) SITES,
and SOLID WASTE MANAGEMENT UNITS (SWMUs)
MAIN AREA AND STUMP NECK
NSF,IH,INDIAN HEAD, MARYLAND

IR Site ID	SWMU ID	MRP UXO ID	Name	Main Area (MA)/ Stump Neck (SN)	Relative Risk	FFA Group	Status	Comments
	AOC H		Drum at Fuel Storage Area	MA	Low	AOC	NFA	
	12		Waste Oil Storage Site	SN	NE	AOC	NFA	
	13		Pink Water Treatment Tank	SN	NE	AOC	RCRA	
	14		Photographic Lab Septic Tank System	SN	NE	AOC	SSP	
	15		Spent Photographic Solution Storage	SN	NE	AOC	NFA	
	16		Thermal Treatment Tank	SN	NE	AOC	NFA	Active Range
	17		Bldg. 2015 – Chem Lab Accumulation Area	SN	NE	AOC	NFA	
	18		Waste Pile	SN	NE	AOC	NFA	
	19		Disposal Area #1	SN	NE	AOC	PA/SI	Included in MRP with Site 64
	20		Disposal Area #2	SN	NE	AOC	PA/SI	Investigate with Stump Neck SWMU 28, Included in MRP
	21		Drum Storage Area	SN	NE	AOC	NFA	
	28	15	Old Skeet and Trap Range	SN	NE	AOC	PA/SI	Included in MRP
	29	17	Small Arms Range (Pistol Range)	SN	NE	AOC	PA/SI	Included in MRP
	30		Bldg. 2015 Dry Well	SN	NE	AOC	NFA	
ADDITIONAL MRP SITES								
		13	FDR Skeet Range	MA	Low	NA	PA/SI	
		14	Marine Rifle Range	SN	Low	NA	PA/SI	
		16	Rum Point Skeet Range	SN	Low	NA	PA/SI	
		18	Battle Range Firing	SN	NE	NA	PA/SI	Water Area Munitions Site
		19	Igniter Area	MA	NE	NA	PA/SI	Water Area Munitions Site
		21	Test Area 1	SN	Low	NA	PA/SI	
		22	Test Area 2	SN	Low	NA	PA/SI	
		23	Torpedo Casing Disposal Area	SN	Low	NA	PA/SI	
		24	Water Impact Area	MA	NE	NA	PA/SI	Water Area Munitions Site
		25	Roach Road Rifle Range	SN	Low	NA	PA/SI	
		26	The Valley Impact Area	SN	Medium	NA	PA/SI	
		27	Sonar Training Area	SN	NE	NA	PA/SI	Water Area Munitions Site
		28	EOD School Demo Area	SN	Medium	NA	PA/SI	
		29	Southwestern Pistol Range	MA	Low	NA	PA/SI	
		30	Gate 3 Burning Ground	MA	Medium	NA	PA/SI	
		31	Pope's Creek	--	NE	NA	PA/SI	Water Area Munitions Site

AOC =Area of Concern
IR =Installation Restoration
LTM =Long Term Monitoring
MRP =Munitions Response Program
NA =Not Applicable
NE =Not Evaluated
NFA =No Further Action
RCRA =Resource Conversation and Recovery Act
RI/FS =Remedial Investigation/Feasibility Study
SSA =Site Screening Assessment
SSI =Site Screening Investigation
SSP =Site Screening Process
RA =Remedial Action
RC =Response Complete

INSTALLATION RESTORATION PROGRAM

NAVAL SUPPORT FACILITY,
INDIAN HEAD
101 STRAUSS AVENUE
INDIAN HEAD, MARYLAND
20640-5035

RESTORATION ADVISORY BOARD (RAB) MEETING COMMENTS, QUESTIONS AND ANSWERS

June 19, 2008

Arrival/Welcome

No questions were asked nor comments made during this topic.

Site 28 Removal Action Update

Question: Are all of the propellant grains found from the single base line?

Answer: Yes.

Question: When did the Navy shut down the Single Base Line?

Answer: Approximately 1958.

Question: What does the newly installed pipe on site carry?

Answer: The pipe carries stormwater.

Question: Who initiates the visits by MDE?

Answer: MDE visits would normally be conducted by Hazardous Waste Inspectors or NPDES Inspectors that are checking on activities associated with a permit that includes periodic inspections.

Question: Does MDE typically come and inspect every project that the Navy has and is that usually the case?

Answer: No. There is an exemption under CERCLA for IR and MRP work where certain MDE permits are not needed. We are still required to meet all the requirements of a permit and submit E&S plans for approval; however, formal permits and inspections are not included in our projects.

Attachment F

Question: What is the percent completion of soil piles that need to be sorted?

Answer: About 50% of the soil screening is complete.

Question: What percentage of the total site is included in the sampling?

Answer: 100%. Before the removal action began, pre-confirmation samples were taken to delineate the boundaries of the removal action and eliminate the need for post-removal sampling.

Question: How many of the total acres on site is the Navy removing?

Answer: The site is approximately 1.5 acres in size and up to 4,000 c.y. of material will be removed.

Site 6 Removal Action Update

Question: How long do you intend on stockpiling the contaminated soil from the site and where does it go from there?

Answer: The stockpiled soil will be removed within a month and sent offbase to an approved landfill. Consequently, site restoration will be completed.

Indian Head Main Area MRP Site Inspection Overview

Question: Would additional action at the Single Base Propellant Grains Spill Area include removal of the rails?

Answer: In the case that the site required a removal action, then yes, it's possible that the rails would be removed.

Question: Has there been any talk of removing the rails?

Answer: No, not at this point in time since our work focuses on CERCLA releases and contamination.

Question: What do you expect to do with the large MRP sites (such as the Water Impact Area and the Battle Range Firing Area)?

Answer: We plan to do a limited Site Inspection and look for MEC/MC with the appropriate equipment and then make a decision based on the results.

Question: Could you give us a spreadsheet that shows the status of each project?

Answer: A spreadsheet that shows the current status for every site will be included in the minutes for this meeting.

NAVAL SUPPORT FACILITY, INDIAN HEAD
INSTALLATION RESTORATION (IR) PROGRAM
RESTORATION ADVISORY BOARD (RAB) TENTATIVE MEETING AGENDA

October 16, 2008

5:00 - 5:05	**ARRIVAL/WELCOME** Mr. Joseph Rail Naval Facilities Engineering Command, Washington (NAVFACWASH) Remedial Project Manager
5:05 – 5:25	**SITE 28 REMOVAL ACTION UPDATE** Mr. Joseph Rail
5:25 – 5:45	**SITE 6 REMOVAL ACTION UPDATE** Mr. Joseph Rail
5:45 – 6:00	**SITE 17 PILOT STUDY** Mr. Joseph Rail
6:00 – 6:30	**FY09 BUDGET & PLANNED PROJECTS** Mr. Joseph Rail
6:30	**ADJOURN**

Attachment G