

**DAILY REPORT**

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NAME:				REPORT NO:		003			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		10/25/13			
REVISION NUMBER:				REVISION DATE:					
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, Partly cloudy		PM WEATHER:	Partly Cloudy, breezy		MAX TEMP (F):	55	MIN TEMP (F):	38

SUMMARY OF WORK PERFORMED TODAY

Attend project team meeting with USACE at client job trailer located on EPA Facility. Receive delivery of 2 portable field toilets and stage one at job trailer and the other located at Area 12 on Raritan Arsenal. Flag one transect in DSA 2. Recover ARGO from field after mechanical issues rendered UTV inoperable.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed

TAILGATE TOPICS: Hydration, PPE, Situational awareness, cold weather related injuries, Trailer towing and vehicle operations.

SAFE BEHAVIOR OBSERVATIONS: ARGO Operations

OPERATIONS / PRODUCTION REPORT**WORK FORCE – CONTRACTOR AND SUBCONTRACTOR**

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	150	50	50

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Argo UTV	Argo		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.):

All equipment functions as intended- Pass

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS

Performed Work / Test for Today: Continue to flag transects at DSA 2

APPENDIX F - DAILY REPORTS

Planned Work / Test for Tomorrow: Continue site boundary and transect flagging					
Planned Work / Test for Next Week: Boundary and transect flagging					
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): ARGO not operational. Mechanical failure in field.					
VISITORS AND DISCUSSIONS: USACE Team Meeting					
QUALITY CONTROL REPORT					
MATERIALS DELIVERED TO JOB SITE					
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By	
2	Portable Field Toilets	Mr. John		CH2M HILL	
COMMENTS (acceptance status, inspection findings, etc.):					
INSPECTIONS PERFORMED					
Task/Activity Inspected	Inspection Performed	Findings			
Schonsted inspection	Daily/Serviceability	Pass			
GPS Equipment	Daily/Serviceability	Pass			
Generator	Daily/ Serviceability	Pass			
Fire Extinguishers	Weekly	Pass			
First Aid Kit	Monthly	Pass			
TESTS PERFORMED					
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria			
GPS equipment	Function and accuracy test	Pass			
Schonsted	QC check	Pass			
Site communication/ Radio	Radio Check	Pass			
QUALITY ISSUES AND RESOLUTIONS: Zero					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference	Submittal Approved?		Comment/Reason/Action
NA			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	

APPENDIX F - DAILY REPORTS

REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): ARGO inoperable. To be repaired tomorrow and returned to operation for work beginning on Monday 10-28-13.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, USACE Meeting minutes and field sign-in roster and Daily QC Report							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		10/25/13	
				PREPARER'S SIGNATURE		DATE	

Former Raritan Arsenal,
RI/FS
Edison NJ

Contract Number: W912Dy09D0060 –Task Order 003

Project Date: October 25, 2013	Project Working Day: 3	Days With-out an Accident: 2
Temperature (noon): 52	Wind Direction: West	Wind Speed: Calm (3-5mph)
Uv Index: Moderate	Humidity: 20%	Chance of Rain: Low
Safety Distances: Remain Cognizant of Heavy Equipment Movements – wear high visibility clothing		
ESP: French (WWI) VB MK 1 Rifle Grenade = K40 or MSD = 19 ft: HFD: 99ft MFD-H: 720ft with EC 200 ft		
ESP: Projectile M107 155MM = K 40 or MSD=105ft HFD: 450ft MFD-H 2,894ft - With/EC 220ft		
PPE: OSHA Level "D:" Hard Hat Area (when near operational EME), Safety Vest, Eye Protection, Hearing Protection (When near Operational EME and when operating ARGO)		
Security: Perimeter Observations, - Everyone's Responsibility – if you see a non-essential person in the area – STOP WORK – Notify Safety Officer		
Warning Signals: One Whistle (Stop, Look, and Listen)		
Munitions and Explosives of Concern (MEC) - Identify, Assess, Classify, Mark and Report – Avoid direct contact and movement of MEC or MPPEH - Do not pick-up unknown objects, If you did not drop it, do not pick it up		
PPE: A8 – OSHA Level "D:" (optional for water areas Rubber Boots) Hard Hat Area (when EME Operational), Safety Vest, Eye Protection, and Hearing Protection (When EME Operational)		
Security: Perimeter Observations, observe barricades, - Everyone's Responsibility – if you see a non-essential person in the area – STOP WORK – Notify Safety Officer		
Traffic Safety - Maintain eye-contact with oncoming traffic, always think escape route, DO NOT ASSUME TRAFFIC SEES YOU, BE DEFENSIVE		
Hazard Communications: MSDS - Lubrication Grease – Absorption, Ingestion – avoid skin contact		
First Aid Topic: Splinters: Slender pieces of wood, bone, or metal objects that lodge in or under the skin. Symptoms: Pain, Skin Irritation, swelling. --- Treatment - Wash hands and affected area with soap and water. Apply pressure to the outer skin area to squeeze the splinter out, if this does not work, seek medical attention.		
Safety Topic: Snapping chains, cables, ropes, or straps. When lifting, pulling, or securing, an object, the weight of an object combined with force to move or secure the object can result in a failure point. When a chain, cable, rope, or strap fails, they may snap back, whip, or become a projectile. The velocity of a failed chain, cable, rope, or strap, may cause damage, injury, or death. Avoid areas where pulling, lifting, or securing of heavy objects is occurring.		
Sun Exposure – Wear sun block to avoid Uv damage to exposed skin.		

DAILY QC REPORT

Project. RI/FS Former Rariton Arsenal Date: 10/25/2013

LOCATION OF WORK: DSA #3, Area 12, DSA #5

DESCRIPTION OF WORK: Mobilization ans Site Setup
Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 34 °F MAX: 54 °F

1. Work completed today by subcontractor:

Dredge Spoil Area 2 trancet layout and marking

Mutual Understanding Kickoff meeting.

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 10-25-2013

Contractor: CH2M Hill

Project: RI/FS Former Rariton Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Dredge Spoil Area 2.
Chris Rose
Michael Malko
Kevin Lombardo
Jonathon Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST



Transect layout continued in Area 6. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.








10-25-2013

Project QC Specialist

Date

	<h1>WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: <u>Remedial investigation / Feasibility Study Former Raritan Arsenal</u>		Report No: <u>Week 1</u>
Contract #: <u>W912DY-09-D-0060</u>	CTO #: <u>003</u>	Date: <u>25 OCT 13</u>
Location: <u>Edison New Jersey</u>		
1. Quality Control Activities		
Monitored work practices and procedures to ensure all work was performed was IAW Work Plan, APP, ESS, SOPs and applicable regulations. See Daily QC Reports for inspection and surveillance reports.		
2. Work performed by CH2M Hill and subcontractor(s)		
<p>October 22, 2013 CH2M Hill Mobilized to Edison, NJ,</p> <p>October 23, 2013 A Site Specific Brief was conducted for all mobilized personnel. All employees and subcontractors Were trained on the Work Plan, the APP, and SOPs prior to any performance of work. All site personnel signed the acknowledgment form of the Master APP. Additional training will occur as needed, as new personnel, visitors, and/or subcontractors arrive at the site. Subcontractor VARGO established 6 control points to be used for RTK/RTS DGM activities. CH2M Hill marked transects in Areas 12, 10 and 18 for vegetation removal.</p> <p>October 24, 2013 CH2M Hill continued the marking of transects in Areas 12, 10 and 18 for vegetation removal. CH2M Hill accepted delivery and supervised setup of Site Trailer on EPA compound.</p> <p>October 25, 2013 A Mutual Understanding, kickoff meeting was conducted via teleconference. CH2M Hill marked transects in Area 2.</p>		
3. Preparatory Phase Inspections performed this week,		
Preparatory Inspection DFOW Mobilization and Site Set Up Preparatory Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)		
4. Initial Phase Inspections performed this week.		
Initial Inspection DFOW Land Survey (Boundary/Transect Stake Establishment) Initial Inspection DFOW Mobilization and Site Set Up		

	<h1>WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: Remedial investigation / Feasibility Study Former Raritan Arsenal		Report No: Week 1
Contract #: W912DY-09-D-0060	CTO #: 003	Date: 25 OCT 13
Location Edison New Jersey		
4. Initial Phase Inspections performed this week.		
Follow on Inspection DFW Mobilization and Site Set Up Follow on Inspection DFW Land Survey (Boundary/Transect Stake Establishment)		
6. List test performed, samples collected, and results received:		
None		
Personnel Present		
Name	Position	Company
Kevin Lombardo	UXOSO	CH2M Hill
Michael A Malko	UXOQC	CH2M Hill
Chris Rose	SUXOS	CH2M Hill
Noah Wineberg	Senior Field Engineer	CH2M Hill
Jonathan Waldron	HTW Field Team Leader	CH2M Hill
Ed Consantine	Surveyor	Vargo
Phil Schaeffer	Surveyor	Vargo
Jame Quirio	Surveyor	Vargo
7. Verbal instructions received (instructions given by government representative and actions taken):		
None		
8. Non Conformance / Deficiency reported / Corrective Actions Taken:		
None		
9. Site safety monitoring activities performed:		
Morning safety brief given, Work performed IAW AHA's and Work Plan..		
10. Remarks/ Special Notes / Lessons Learned		
ARGO UTV broke down on October 25, 2013 at 1530 ECT Repairs are scheduled for 26 October.		
11. Site Visitors		

	<h1>WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: <u>Remedial investigation / Feasibility Study Former Raritan Arsenal</u>		Report No: <u>Week 1</u>
Contract #: <u>W912DY-09-D-0060</u>	CTO #: <u>003</u>	Date: <u>25 OCT 13</u>
Location <u>Edison New Jersey</u>		
None		
<p>CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report performed by CH2M Hill and our sub-contractor(s) and have determined to the best of knowledge and my belief that noted work activities are in compliance with the plans and specifications except as may be noted above.</p>		
Name and Signature: Michael Malko 	Title/Company: UXOQC CH2M Hill	Date: October 25, 2013

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>10/25/13</u>		
Supervisor: <u>J. Walden / C. Rose</u>		Job
Activity: <u>Site Prep, Trailer set up, Traxet flagging</u>		
Attendees:	Print Name	Sign Name
<u>See Attached</u>		
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Arco / UTV</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>UTV, hand tools, PPE</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input checked="" type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>MEC, See attached MGC brief from SUXOS</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing - <i>as needed</i> <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): Jonathan Walden
 Signature: [Signature]

Date: 10/25/13

F-12

CH2MHILL

Safe Behavior Observation Form		
Project Number: 427946	Client/Program: USACE	<input type="checkbox"/> CCI <input type="checkbox"/> INC
Project Name: Former Raritan Arsenal	Observer: J. Waldron	Date: 10/25/13
Position/Title of worker observed: UXOQCS/UXOSR Team	Background Information/ comments: Trusect Flagging	
Task/Observation Observed: ARGO/UTV operations		
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 		
Actions & Behaviors	Safe	At-Risk
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X	
Properly trained/qualified/experienced	X	
Tools/equipment available and adequate	X	
Proper use of tools	X	
Barricades/work zone control	X	
Housekeeping	X	
Communication	X	
Work Approach/Habits	X	
Attitude	X	
Focus/attentiveness	X	
Pace	X	
Uncomfortable/unsafe position	X	
Inconvenient/unsafe location	X	
Position/Line of fire	X	
Apparel (hair, loose clothing, jewelry)	X	
Repetitive motion	X	
Other...		
Positive Observations/Safe Work Practices: Good communication, Safe work approaches, Slow speed in Argo		
Questionable Activity/Unsafe Condition Observed: None observed		
Observer's Corrective Actions/Comments: NA		
Observed Worker's Corrective Actions/Comments:		

For WST ES staff please email completed forms to [CH2MHILL WST ES Safe Behavior Observations](mailto:CH2MHILL_WST_ES_Safe_Behavior_Observations@ch2m.com) - (WSTESSBO@ch2m.com)
 For CNR ES staff please email completed forms to cnressafe@ch2m.com



**US Army Corps
of Engineers®**
New York District

Record of Attendees

New York District
Programs & Project
Management Division
Environmental
CENAN-PP-E

MEETING Pre-Construction meeting for CH2M HILL for the Former Raritan Arsenal – Formerly Used Defense Site (FUDS) located at Edison, Middlesex County, New Jersey

LOCATION
USACE field trailers
2890 Woodbridge Avenue

DATE
25 October 2013
0930 EST (0830 CST)

NAME	EMAIL	ORGANIZATION	PHONE
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1-	Sandra L. Piettro ✓ <i>SP</i>	Sandra.L.Piettro@usace.army.mil	USACE, NY District	(917) 790-8487
2-	Dorothy Richards ✓	Dorothy.D.Richards@usace.army.mil	USACE, Huntsville	(256) 895-1419
3-	Brett Frazier ✓	Brett.W.Frazier@usace.army.mil	USACE, Huntsville	(256) 895-1874
4-	Debra Edwards ✓	Debra.L.Edwards@usace.army.mil	USACE, Huntsville	(256) 895-1626
5-	Mark Callaghan ✓	Mark.Callaghan@ch2m.com	CH2M HILL	(703) 376-5054
6-	David Nelson	david.nelson@ch2m.com	CH2M HILL	(678) 530-4250
7-	Tamir Klaff ✓ <i>TK</i>	tamir.klaff@ch2m.com	CH2M HILL	(202) 596-1199
8-	Kevin Lombardo	Kevin.lombardo@ch2m.com	CH2M HILL	(703) 608-8247
9-	Noah Weinberg	Noah.Weinberg@CH2M.com	CH2M HILL	
10-	Joanthan Waldron <i>JW</i>	Jonathan.Waldron@CH2M.com	CH2M HILL	505-314-3161
11-	Chris Rose ✓ <i>CR</i>	Chris.Rose@CH2M.com	CH2M HILL	256-426-5849
12-	Michael Malko <i>MM</i>	Michael.Malko@ch2m.com	CH2M HILL	417 855 0256
13-				
14-				
15-				

COE Site Trailer

MEETING ATTENDANCE LIST
Remedial Investigation /Feasibility Study Former Rariton Arsenal

[illegible]

MEETING SUMMARY

Preconstruction and Mutual Understanding Meeting for Phase I Fieldwork - Remedial Investigation at the Former Raritan Arsenal

ATTENDEES:	Sandra Piettro/CENAN	Jonathon Waldron/CH2M HILL
	Dorothy Richards/CEHNC	Mike Malko/CH2M HILL
	Brett Frazier/CEHNC	Kevin Lombardo/CH2M HILL
	Deb Edwards/CEHNC	Chris Rose/CH2M HILL
	Mark Callaghan/CH2M HILL	David Nelson/CH2M HILL

PREPARED BY: Mark Callaghan/CH2M HILL
Mike Malko/CH2M HILL

DATE: October 25, 2013

A preconstruction and mutual understanding meeting was held on October 25, 2013 between representatives of US Army Engineering and Support Center Huntsville (CEHNC), US Army Corps of Engineers New York District (CENAN). Mark Callaghan presented a series of slides (see Attachment 1) Mark Callaghan reviewed the purpose of the meeting with the attendees, introduced the project team and discussed the roles and responsibilities of the key members of the CH2M HILL team, as well as the CH2M HILL subcontractors. Dorothy Richards indicated that a UXO certification review letter needed to be submitted to Kevin Lombardo; and a letter is also required for Jonathon Waldron, Tamir Klaff and a letter to let CEHNC know that CH2M HILL is working 5 10hr days.

Mark Callaghan then discussed the elements of the phase approach for this investigation; and the project timeline. Kevin Lombardo indicated that the USACE has informed CH2M HILL that there is not to be any work on the Sayreville side until November 08, 2013 (after the election and the public meeting). Kevin also informed the attendees that STC Marine will occupy land in DSA #2 starting November 16 and that they will be completely moved from Area 13 by December 16, 2013. There was a discussion on performing both Phase I and Phase II in a small portion of DSA #2, prior to November 16 so that this area can then be continuously occupied by STC Marine and would allow CH2M HILL unhindered access to 100% of Area 13 by December 16, 2013.

Mark Callaghan then reviewed the approach for the remainder of the sites. Kevin Lombardo also informed the attendees that STC Marine is expecting a barge to arrive on November 05, 2013 so that we will need to conduct the DGM by the dock before that date.

Mark Callaghan continued with the presentation, and discussed the approach for Area 18D. Dorothy Richards asked about the intrusive investigation on the college property; with specific concern regarding tearing up new asphalt parking surface. Mark Callaghan explained that restoring the parking lot was not within the current scope of work, but that we would have a much better indication of how much intrusive work would be required following the completion of the DGM. Brett Frazier asked if the idea was to perform metal mapper in this area, Mark explained that it was not; Kevin added that he was unsure whether metal mapper could be used if this area contained trenches of munitions items; and Deb Edwards added onto this indicating that it probably could not.

Mark Callaghan then discussed site security and logistics. A discussion was then held on the proposed location of the explosive magazine; and Mark indicated that CH2M HILL was having a significant amount of issues getting a lease arranged to place the magazine within Area 16 due to issues with insurance. It was decided that CH2M HILL should explore whether to move the location of the magazine and prepare an amendment to the ESP.

Mark then discussed quality control, the definable features of work and the 3 phases of control, and discussed daily reporting. The process for RFI's was also discussed and it was determined that RFIs should be sent to Dorothy Richards and Brett Frazier or Deb Edwards should be copied and then Dorothy would send the RFI on for direction.

A discussion on communications then occurred and it was determined that a weekly QC call would be held each Tuesday morning and would start at 10:00am eastern/9:00am central and last for approximately 30 minutes.

Mark then discussed items that had been completed prior to mobilization, and indicated that CH2M HILL had received a partial notice to proceed, but would need another notice to proceed prior to the start of DGM on November 04, 2013.

Action Items

1. Mark Callaghan to send approval letter and copy of certifications for Tamir Klaff (Geophysicist of Record), Kevin Lombardo (UXOSO) and Jonathon Waldron (SSHO and Field Engineer) to Contracting Officer Dorothy Richards for approval by COE.
2. Revised schedule to reflect postponement of activities on DSA #5 until after elections and public meeting on Nov 7, 2013 at request of local officials due to possible public resentment due to New Jersey Department of Transportation plans to construct a bypass in the nearby area. Public may associate our activities with those of NJDOT.
3. Schedule Aquatic DGM in Area 13 where barge is to be parked on Nov 4, 2013. Barge arrives Nov 5, 2013 and may be moored there for some time.
4. Discussion of revising the schedule to complete DGM, intrusive investigation, QDC/QA and government acceptance of a portion of DSA # 2 to accommodate metal fabricator to use are to stage materials currently staged in Area 13 was tabled for further consideration. Need to weigh the options of a possible delay in area 13 due to current activities in the area vice the cost and logistics of revising schedule to accommodate.
5. Mark Callaghan to send request letter for 50 hour work week to Contracting Officer Dorothy Richards for approval by COE.
6. Field team to document "Grave type excavations" (open excavations) in DSA 10 with photographs and notes (i.e., GPS coordinates and approximate measurements). Dorothy Richards and Sandra Piettro request copies and any additional info.
7. Need to address the need for parking lot restoration in Area 18D if incase any asphalt/curbs are required to be removed/ damaged for investigation purposes.
8. Field team to make best effort evaluation of DSA #4 and #6 on 11 November to assess feasibility of current approach/location of transects. Document findings with field notes, QC reports and photos.

9. Field team to GPS new location for magazine on federal business centers property. Change to ESS to be submitted with new location.
10. Mark Callaghan to schedule Weekly QC meeting on Tuesdays 10:00 am eastern followed by regular meeting call.
11. Dorothy Richards to Issue/send Notice to Proceed though Phase II.
12. Finalize any changes to Work Plan and get approval of same.
13. Dorothy Richards to schedule OE Safety Specialist for on-site work.

Attachment 1

CH2MHILL®



**US Army Corps
of Engineers®**

Preconstruction and Mutual Understanding Meeting

October 25, 2013 (9:30am – 11:30am eastern)

Conference Call # 1-866-203-7023
Participant Code# 386-754-4775



Remedial Investigation/Feasibility Study (RI/FS)

Former Raritan Arsenal

Edison, New Jersey

Contract # W912DY-09-D-0060, Task Order 003

Agenda

- Purpose
- Introduce Team
- Phased Approach
- Field Investigation & Timeline
- Explosives Safety
- Logistics
- Quality Control
- Communications
- Preconstruction Activities Requirements/Checklist
- Additional Topics



Safety Moment

DID YOU KNOW THE ONLY THING YOU SHOULD BE DOING WHEN YOU'RE DRIVING IS DRIVING.

Behind the wheel, nothing is more important than focus. A laser focus on what's ahead, around and behind your vehicle. Stay aware of road and weather conditions, traffic, pedestrians, your speed, and your need to be in complete control of your vehicle.

Do not take a call, make a call, text, apply makeup, eat, let your eyes or mind wander to other people in your car, or do anything other than focus on your driving.

If any of the above things must be done, pull safely off the road and out of the traffic flow to do them.

Every day people are killed and injured simply because a driver is distracted. Don't be one of them.



Purpose

- ❑ **The purpose of this meeting is to acquaint all stakeholders with the scope of the work to be performed for Phase I.**
- ❑ **Essential elements are:**
 - Review the project team members, their roles and responsibilities.
 - Understand the proposed investigation, and the timeline of events.
 - Review any procedures and documentation that is required to be in place prior to start of work.
 - Review and understand the approach for documenting and changes in conditions.
 - Review the quality control and assurance procedures.
 - Most importantly - review elements of the safety approach.



Introduce Team



**US Army Corps
of Engineers®**

- **Janice Jamar** – Contracting Officer
- **Dorothy Richards** – Contracting Officer's Representative
- **Brett Frazier** – Technical Representative
- **Sandra Piettro** – Project Manager (New York)
- **Debra Edwards** – Project Geophysicist
- **Jim Kelly** – Project Manager (New England)



CH2MHILL

- **Mark Callaghan** – Project Manager
- **David Nelson** – Senior Technical Consultant
- **George DeMetropolis, PhD** – Safety & Quality Manager
- **Tamir Klaff** – Project Geophysicist
- **Chris Rose** – SUXOS
- **Kevin Lombardo and Jim Marshall** – UXOSO
- **Mike Malko** - UXOQCM
- **Jonathon Waldron** – SHSO & Field Engineer



Introduce Team (contd.)

PM

Mark Callaghan

- Primary contact for the USACE.
- Day to day management of the CH2M HILL team.
- Responsible for the safe, efficient, and quality execution of the project.

SUXOS

Chris Rose

- Primary contact for communications during operations.
- Site manager during field activities.
- Coordinates field activities, inspect field activities, maintain logs of daily activities, anomaly excavations.

UXOSO
UXO QCM

Kevin Lombardo and Mike Malko

- Implementing approved MEC H&S plan.
- Ensuring compliance with site specific explosives operations.
- Enforcing personnel limits and safety EZs
- Determining acceptance or rejection of MR field work.

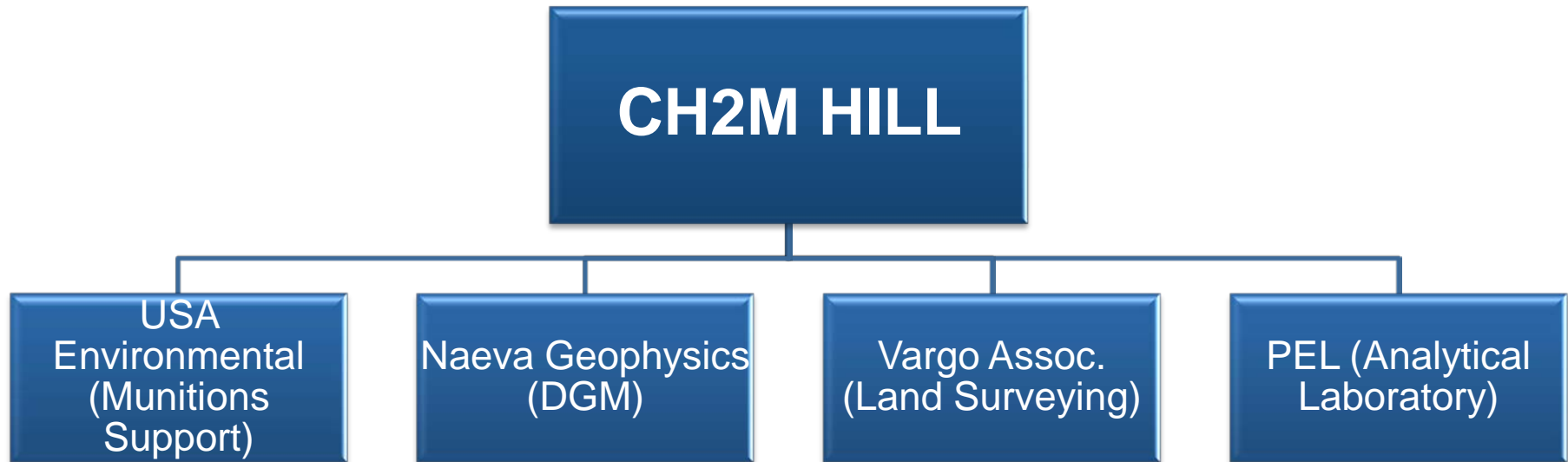
SHSO

Jonathon Waldron

- Verifies the SSHP is current and amended as needed.
- Acts as the emergency response coordinator.
- Verify site personnel have required training.
- Hold safety meetings.
- Perform oversight and assessment of subcontractor S&H practices.



Introduce Team (Contd.)



A Phased Approach

Phase I

- Consists of performing Digital Geophysical Mapping (DGM) on land and underwater
- Interpreting the results, and selecting subset of anomalies of interest (*i.e., objects that might be munitions*) for intrusive investigation

Phase II

- Consists of performing the intrusive investigation of the selected anomalies (*i.e., digging them up*)
- Identifying the anomalies (are they *cultural debris such as pipe, rebar, fence posts or munitions?*)
- If they are munitions, identifying the specific compounds (*i.e., metals and explosives*) associated with them could have been released into the environment as munitions degraded over time.

Phase III

- Based on the Phase II data evaluation, areas that require sampling for these specific munitions compounds will be identified.
- Sampling to determine the nature and extent of potential releases that may be associated with any munitions will be performed.
- Background samples will be collected for the DSAs.

Oct '2013

Jan' 2014

Jun' 2014

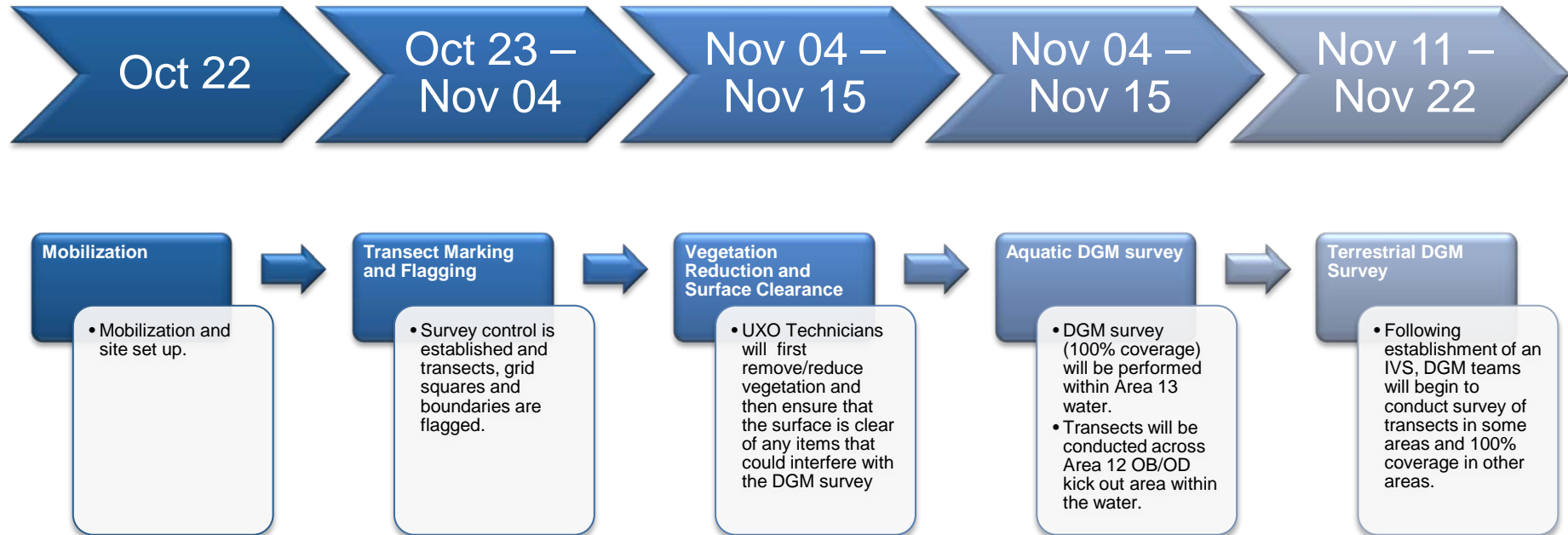


Specific Areas of Focus

Area ID	Name of Area	Acreage
Area 1	Former Demolition Area	0.57
Areas 6, 6A, 6B	Former Burning Ground and Impoundment Area	130
Area 10	Former Wastewater Treatment and Magazine Area	140
Area 11	Former Dredged Material and Explosives Area	11
Area 12	Former Dredged Material and Explosive Detonation Area	82
Area 13	Submerged Dock Area	23
Area 16	Former Magazine Area	277
Area 18D	Trench of Shell Casings	31
Areas 9 and 19	Former Magazine Areas	294
DSA	Dredge Spoils Area	645

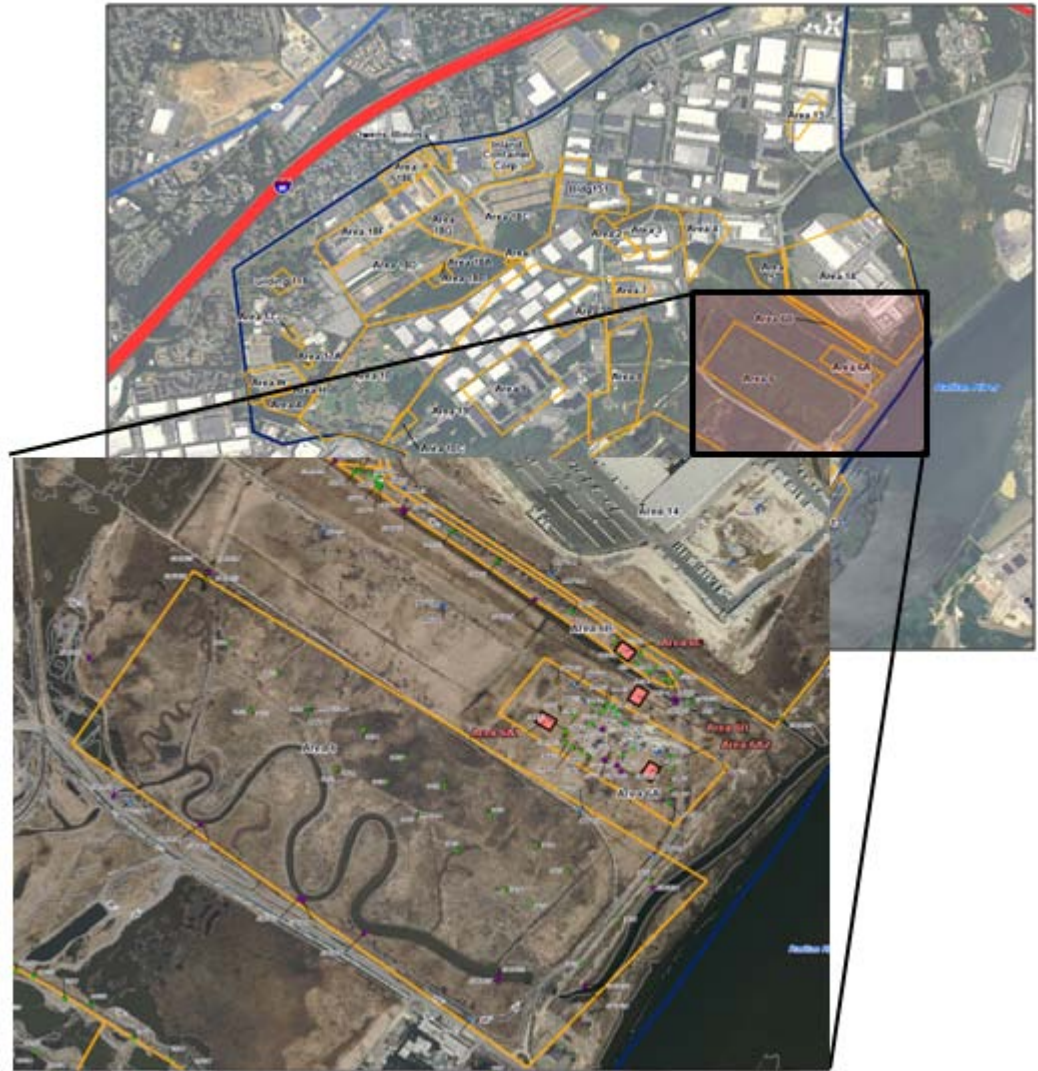


Field Investigation & Timeline



Area 6, 6A and 6B – Former Burning Ground and Impoundment Area

- ❑ Previous investigations did not collect sufficient data to evaluate the potential risk of MEC exposure.
- ❑ DGM (with 100m spacing) will be performed to look for evidence of munitions associated with dredge spoils.
- ❑ A statistical subset of anomalies will be investigated to evaluate their nature (i.e., MEC or cultural debris).
- ❑ MC sampling may be performed based on results of intrusive investigation.
- ❑ The RI will be supplemented with a quantitative risk assessment using existing MC and HTW data collected in 1994 and 2005, and a qualitative evaluation of the data collected prior to that.



-



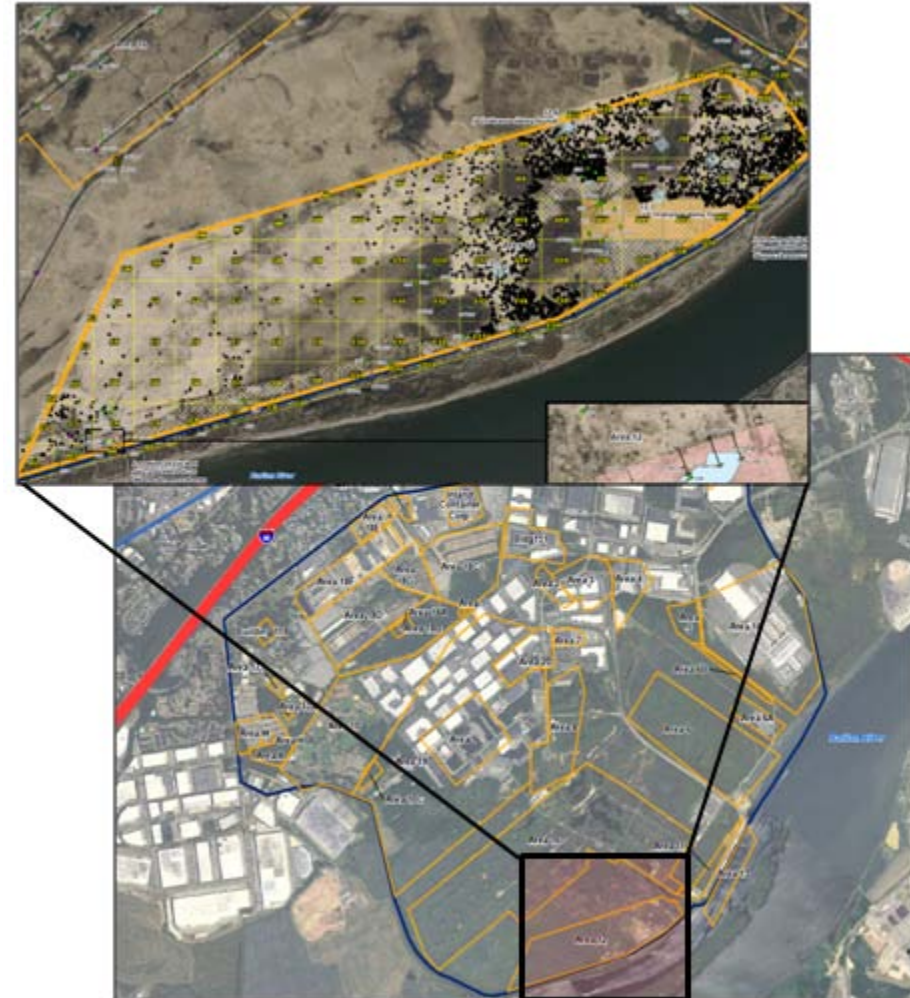
Area 10 (Part I) – Former Waste Water Treatment and Magazine Area

- ❑ Focus of the RI is on the areas affected by the magazine explosion in 1919 which are Parts I and II.
- ❑ Based on extensive previous investigations, removal actions and redevelopment - the characterization of potential exposures and risks can be conducted for Area 10 (Part II), but not for Area 10 (Part I).
- ❑ As Area 10 (Part I) has not been fully investigated DGM transects (10m apart) will be conducted to look for evidence of munitions from the magazine explosions and to validate 1992 EODT removal action.



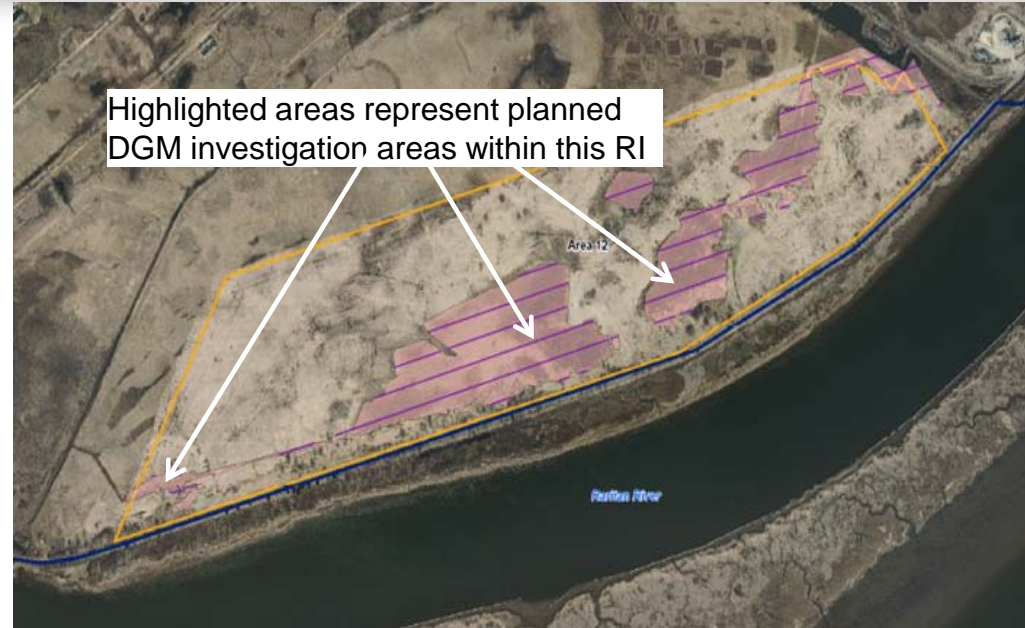
Area 12 – Former Dredged Material and Explosive Detonation Area

- ❑ The investigation approach for Area 12 consists of the following:
 - ❑ Evaluating the presence of MEC associated with dredge spoils in previously unmapped areas, and
 - ❑ Investigating munitions kick-outs from the former Open Burn/Open Detonation Area.



Area 12 – Previously Unmapped Areas

- ❑ To date, multiple investigations and actions have been performed within this area.
- ❑ An evaluation of all available GIS data was performed, in order to ascertain which portions of Area 12 remained unmapped.
- ❑ Within the remaining unmapped portions of Area 12 - DGM transects (30m apart) will be conducted to look for evidence of MEC associated with dredge spoils and kick outs from OB/OD operations







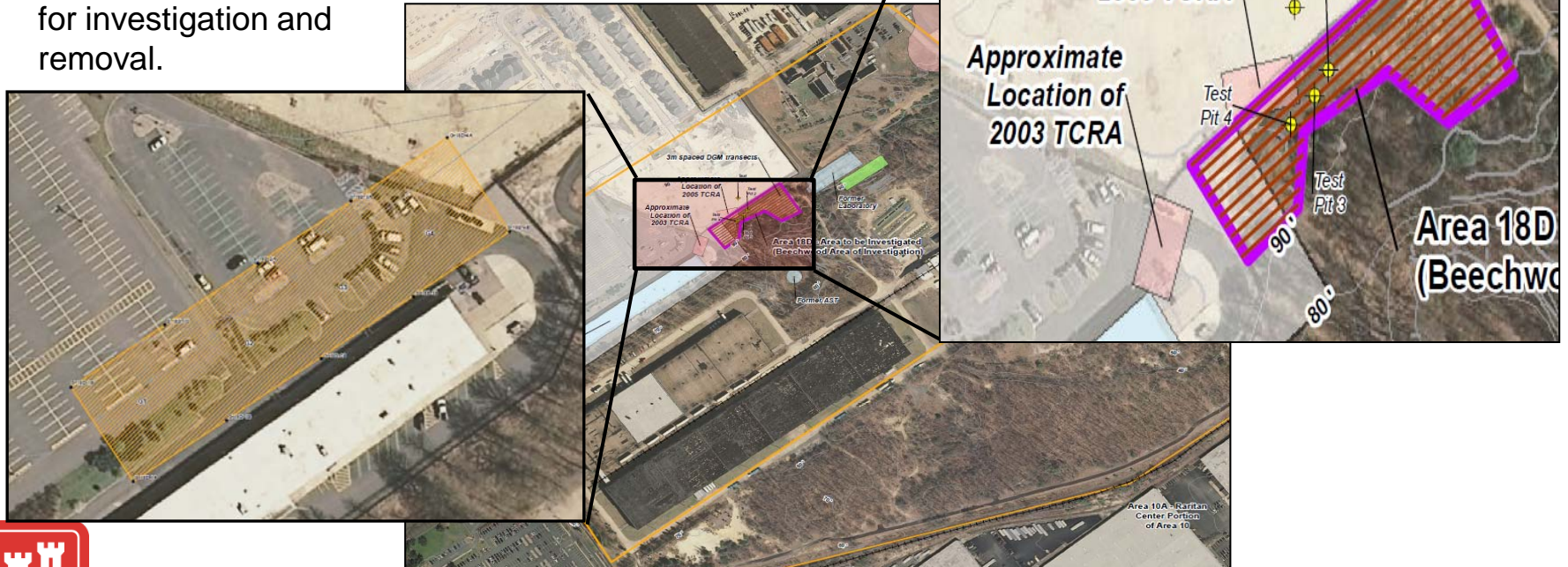
Area 18D – Trench of Shell Casings

- ❑ Comprises 31 acres of land, heavily used during operation of the former Arsenal.
- ❑ Also contains Building 229 (now owned by Middlesex Community College) but which was used from 1941 to 1942 for small arms packing.



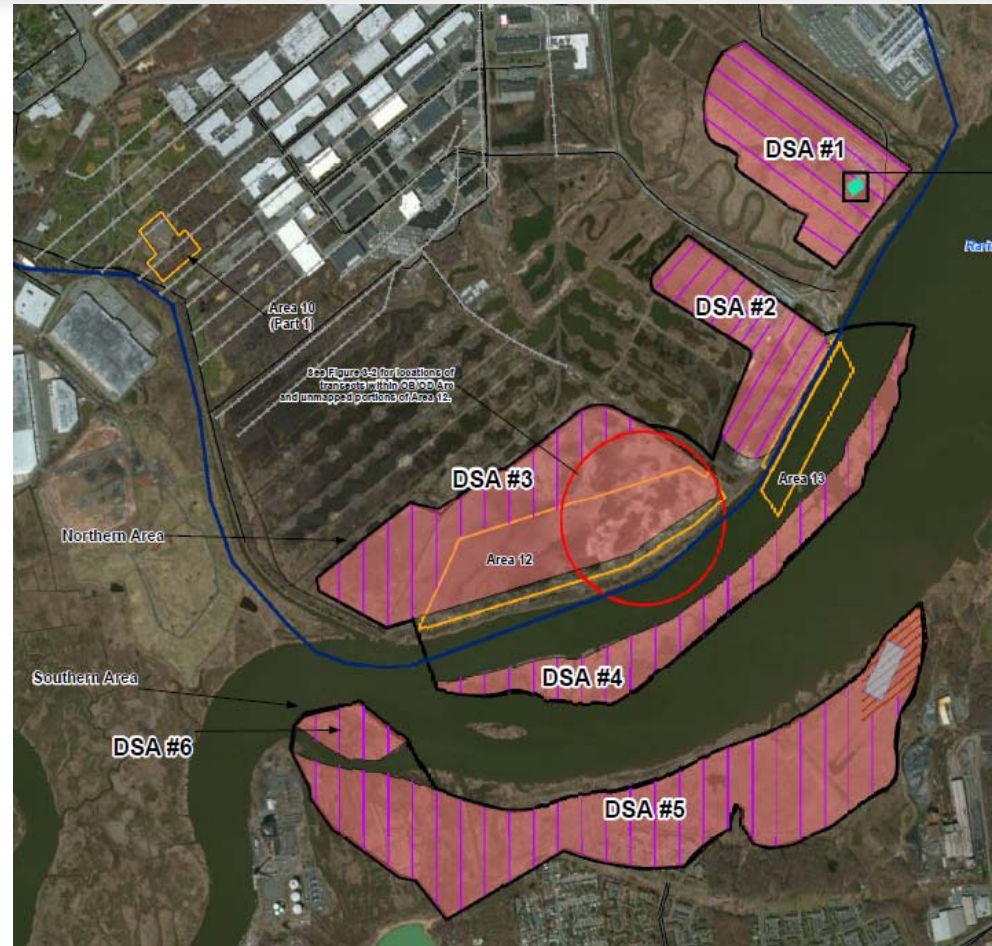
Area 18D – Trench of Shell Casings

- ❑ MD remains in the subsurface near the locations of the 2003 and 2005 TCRAs (observed but not removed in 2005).
- ❑ Within the 1 acre parcel on EPA property, extent of MEC in the subsurface will be investigated using DGM transects (spaced at 3m apart). It is anticipated no MC sampling will be required (items were identified as inert).
- ❑ Once the extent of the trench has been defined, further response actions will be developed by USACE for investigation and removal.
- Within the 1 acre parcel on college property, 100% DGM will be conducted.



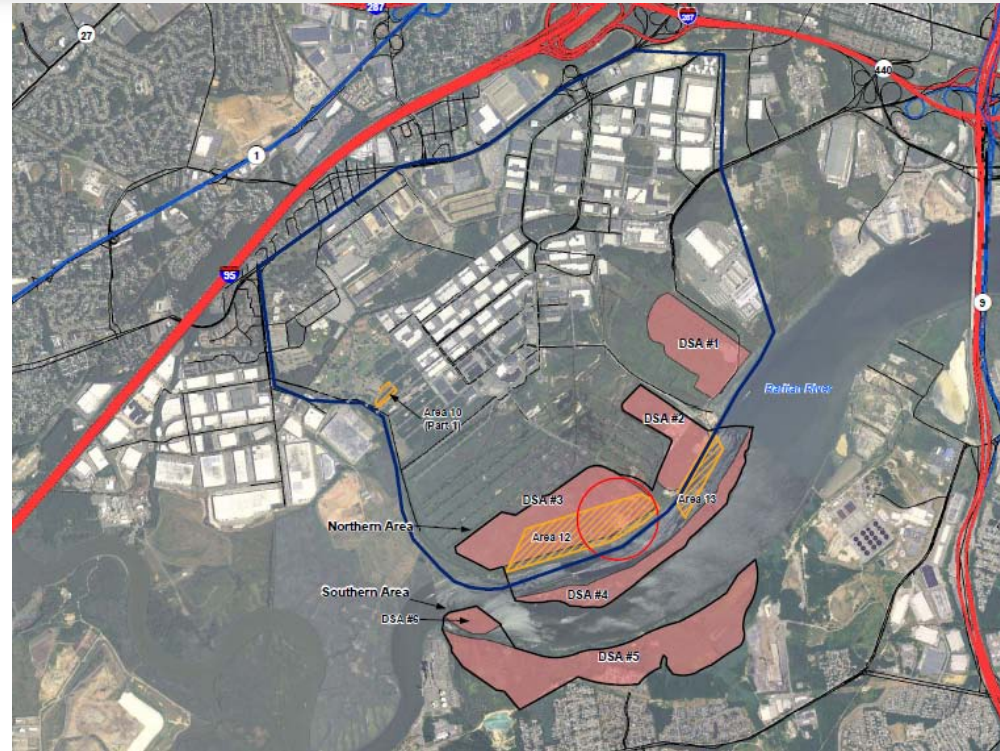
Dredge Spoil Areas (DSA)

- ❑ The DSA was established by USACE in April 2012 during development of the work plan.
- ❑ For investigation purposes it is comprised of six individual areas (DSA #1 through DSA #6)
- ❑ DGM transects (100m apart) will be conducted to look for evidence of DMM.
- ❑ In the north-east of DSA #5 transect spacing will be reduced to 30m as MEC has been previously identified here and adequate geophysical mapping was not performed during the removal action.



Explosives Safety and Exclusion Zones

- ❑ Phase I site work (i.e., surveying, vegetation reduction, laying grid lanes, DGM) does not require the establishment of an MSD.
- ❑ If MEC is encountered during surface clearance that is unacceptable to move it will be blown-in-place.
- ❑ Positive control of the exclusion zone will be maintained at all time.



Logistics (contd.)

□ Rights of Entry

- *ROE has been obtained by the US Government.*
- *Paperwork to be kept in project file and a copy to be kept on-site.*

DEPARTMENT OF THE ARMY
RIGHT OF ENTRY
FOR SURVEY AND EXPLORATION

PROJECT NUMBER: C02N0084-04
MIDDLESEX COUNTY, STATE OF NEW JERSEY

The undersigned, hereinafter called the "OWNER", of the UNITED STATES OF AMERICA, hereinafter called the "GOVERNMENT", do hereby agree to the following terms and conditions:

1. The Owner hereby grants to the Government the right of entry into the lands hereinafter described at any time within the execution date of this instrument, in order to perform such other exploratory work as may be necessary for the Government. Said work is more fully described in Exhibit "A" and Map (Exhibit "B"), attached hereto.
2. This right of entry includes the right of the Government to use the lands as described below, provided that such use shall not be otherwise conveniently available to the Government.
3. All tools, equipment, and other property of the Government shall remain the property of the Government upon completion of its work.
4. If any action of the Government's employees results in damage to the real property, the Government shall repair such damage or make an appropriate settlement in such amount as may be determined by the Government at the time immediately preceding such damage. No such repair or settlement shall exceed the fair market value of the property at the time immediately preceding such damage. This clause may not exceed appropriations available in this agreement may be considered as a condition precedent to the Government's obligation to provide appropriate funds sufficient to meet the Government's obligations without prejudice to any rights the Owner may have for any other damages than provided herein.
5. The lands affected by this right-of-entry are located at the Arsenal, Edison New Jersey, Owned by the State of New Jersey, Business Park, 300 Raritan Ctr Parkway.
6. The Government shall give reasonable notice of its intent to commence and the day(s) it intends to enter the lands to the Owner, by contacting:

Federal Business Centers (FBC)
(732) 417-4232, Email: fbc@usarmy.com

WITNESS MY HAND AND SEAL this 9th day of March 2012.

Witness:
Mary A. Person
Mary A. Person

FEDERAL BUSINESS CENTERS (FBC)
Signature:
Peter Viscochia
Name & Title:
Peter Viscochia, President

UNITED STATES OF AMERICA
By: *Noreen Dean Dresser*
Noreen Dean Dresser
District Chief of Real Estate
Real Estate Contracting Officer
US Army Engineer District New York

2



Logistics (contd.)

❑ Working hours

- *Assumed to be from 0800hrs until 1700hrs.*
- *Are there any limitations on hours??*

❑ Site Security

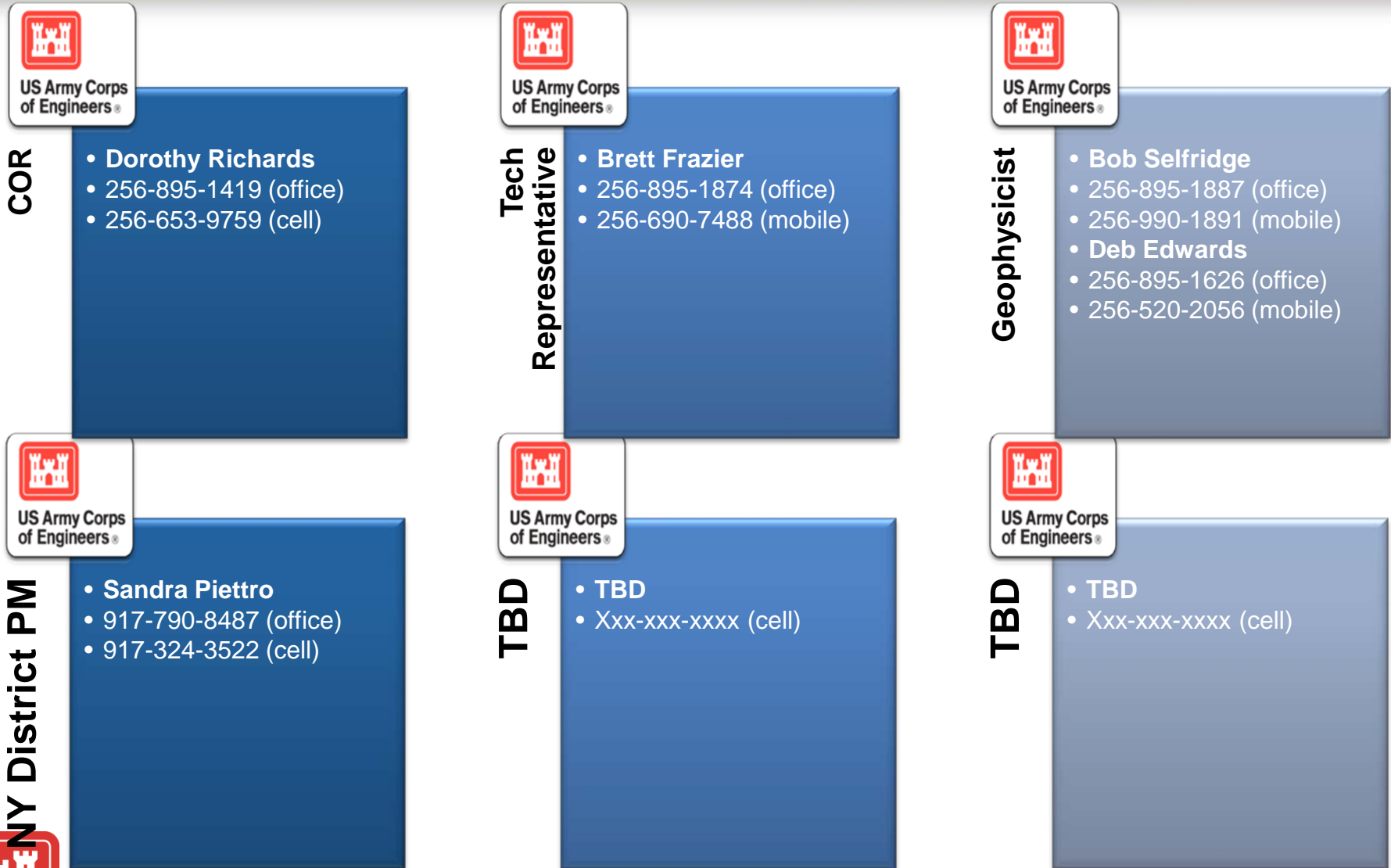
- *CH2M HILLs office trailer is secured within the EPA property*
- *Any issues with site security?*

❑ Utility clearance

- *Not required for Phase I.*



Logistics - Points of Contact (USACE)



Logistics - Points of Contact (CH2M HILL)



Project Manager

- **Mark Callaghan**
- 703-376-5054 (office)
- 703-303-0014 (mobile)



Senior Technical Consultant

- **David Nelson**
- 678-530-4250 (office)
- 404-915-5021 (mobile)



HS&Q Manager

- **George DeMetropolis**
- 619-687-0120 (office)
- 619-564-9627 (mobile)



Senior Geophysicist

- **Tamir Klaff**
- 202-596-1199 (mobile)



SUXOS

- **Chris Rose**
- 256.426.5849 (cell)



UXOSO

- **Kevin Lombardo**
- 703-608-8247 (cell)



UXOQCM

- **Mike Malko**
- 417-855-0256 (cell)



Site Safety & Health Officer

- **Jonathon Waldron**
- 703-376-5339 (office)
- 505-314-3161 (cell)



Quality Control

- ❑ **Quality control will be performed in accordance with the work plan.**
 - While fieldwork is ongoing, the CH2M HILL team will meet daily with subcontractor personnel to review project status and discuss technical and safety issues. This will be documented on a tailgate meeting log.
 - At least once per week a meeting will be held with the field operations team to discuss QC related issues. This will be documented, reviewed and approved by the UXOQCS.
 - The QC file will be maintained by the UXOQCS



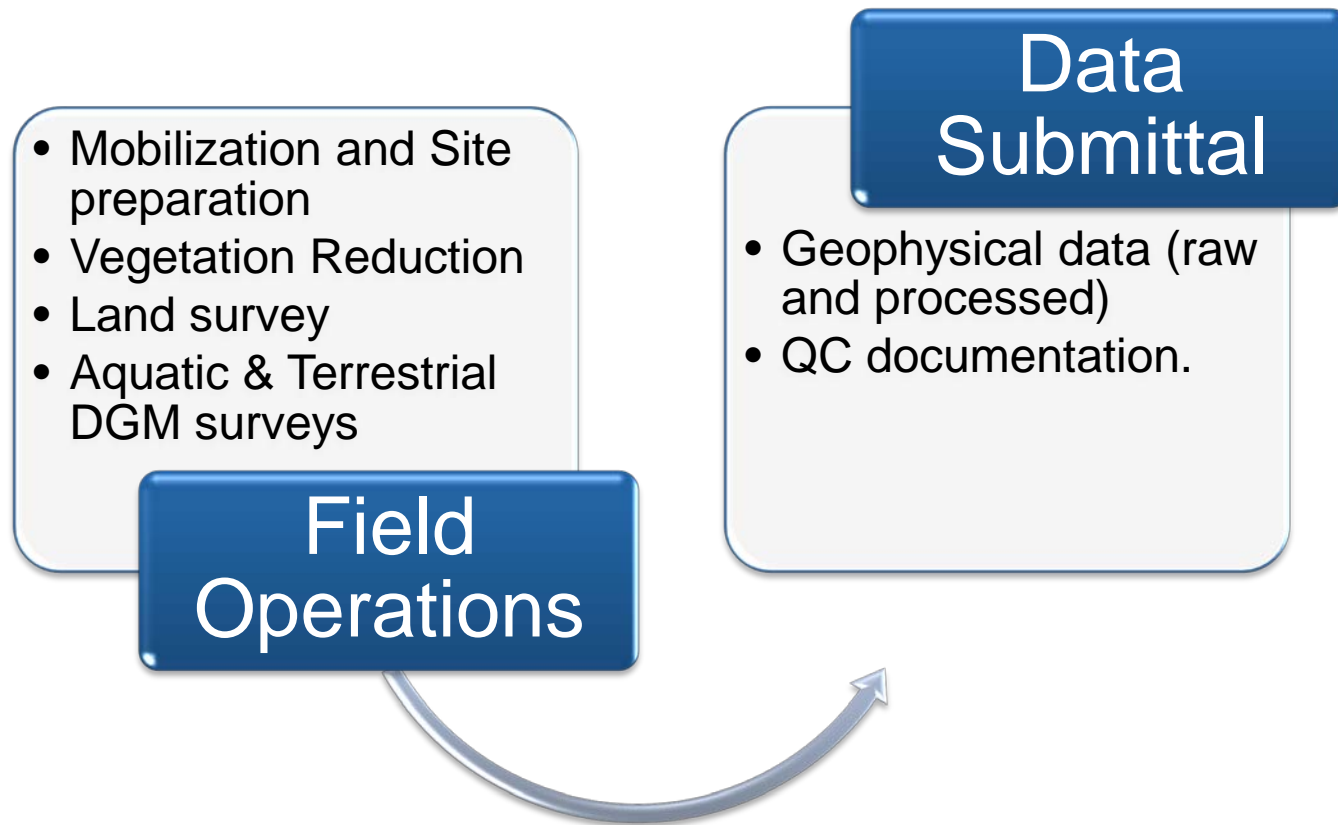
Quality Control

- ❑ **The UXOQCS will maintain original field logs and records as part of the project files.**
- ❑ **Daily QC reports will be maintained by the UXOQCS, and will include**
 - QC reports and findings
 - H&S reports
 - Training logs
 - SUXOS reports (including activity log)
 - MEC discovery and classification of item
 - Records of site work and progress
- ❑ **The UXOQCS will prepare and submit a weekly QC report.**



Quality Control

- ❑ **Definable Features of Work (DFW)**
- ❑ **The UXOQCS will ensure that the 3-phase control process is implemented for each DFW**



Contract Administration

❑ Request for Information

- *Discuss process for submitting RFI's*
- *Discuss information to be included on RFI's (i.e., info requested, date response is required, contractor recommendation, indication if recommendation will result in increased cost/time, photos, sketches, etc).*



Communications

- ❑ **Pre-construction meeting held via conference call.**
- ❑ **A weekly progress meeting/QC meeting will be held via conference call each Tuesday morning at 10:30am eastern**
- ❑ **Additional impromptu calls/meetings will be scheduled as needed.**



Preconstruction Requirements/Checklist

❑ Items that have been completed

- ✓ Submitted/Approved Accident Prevention Plan
- ✓ Right of Entry Authorization/Letter
- ✓ Preconstruction Conference
- ✓ Submitted/Approved Explosive Site Plan
- ✓ Partial Notice to Proceed

❑ Items remaining to be completed

- ❖ Finalize Work Plan
- ❖ Notice to proceed for DGM
- ❖ Others



Questions

**DAILY REPORT**

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		004			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		10/28/13			
REVISION NUMBER:				REVISION DATE:					
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Clear		MAX TEMP (F):	55	MIN TEMP (F):	35

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects. Secured new piece of equipment to support transect flagging.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.

TAILGATE TOPICS: Trailer towing and vehicle operations, slips trips and falls, equipment operation, housekeeping.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT**WORK FORCE – CONTRACTOR AND SUBCONTRACTOR**

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	200	50	

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Tracked Skid Steer	Takeuchi TL 230C	223100479	CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.):

All equipment functions as intended- Pass


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 2 and Site 12				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): ARGO not operational. Mechanical failure in field. Rented a Skid Steer to continue flagging/clearing transect lanes.				
VISITORS AND DISCUSSIONS: Weekly status call with project team				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
1	Tracked Skid Steer	Takeuchi TL 230C	223100479	CH2M HILL
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Skid Steer	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		
QUALITY ISSUES AND RESOLUTIONS: Zero				

APPENDIX F - DAILY REPORTS

SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): ARGO inoperable. To be repaired by end of week and returned to operation for work beginning on Monday 11/4/13.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		10/28/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 10/28/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 004	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Kevin Lombardo	
AM WEATHER: Sunny/ cold		PM WEATHER: Sunny / cool		MAX TEMP: 61 °F	
				MIN TEMP: 37 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>The weekly operations conference call was conducted.</p> <p>A skid steer has arrived on site for transect marking and is currently replacing the Argo, which is down for transmission repairs.</p> <p>1 transect in Area 2 was marked for vegetation reduction and DGM. A 2nd transect was started before the Argo experienced transmission failure and had to be removed from the site for repairs. These transects are in the area designated for holding materials moved from Area 13.</p> <p>Transects were marked in both Area 12 and DSA 2. 1 transect remains to be marked in the southern portion of Area 12. Approximately half of a transect remains to be marked to complete the lay down area set aside for the bridging company in DSA 2.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date <i>Cumulative Total of Work Hours From Previous Report</i>	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction 	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Skid steer		Takeuchi / TL 230	1218610	Jonathan Waldron	1ea
Trailer		Tow Master	484EL	Jonathan Waldron	1ea
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	1	9	
Utility Vehicle	Argo	Chris Rose	0	10	10
GPS	Trimble Geo XH	Mike Malko	2	8	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	10	0	
Pick-up truck	Chevrolet Silverado	Noah Weinberg	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	10	
Portable toilet	Satellite Industries	Chris Rose	3	0	
Portable toilet	Satellite Industries	Chris Rose	3	0	
Skid steer	Takeuchi	Jonathan Waldron	3	3	
Trailer	Tow Master	Jonathan Waldron	3	3	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Area 18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

Former Raritan Arsenal,		
RI/FS		
Edison NJ		
Contract Number: W912Dy09D0060 – Task Order: 003		
Project Date: October 28, 2013	Project Working Day: 4	Days With-out an Accident: 3
Temperature (noon): 59	Wind Direction: West/SW	Wind Speed: Breeze (5-7 mph)
Uv Index: Moderate	Humidity: 10%	Chance of Rain: Low
WORK AREA SAFETY: Remain Cognizant of Heavy Equipment Movements – wear high visibility clothing – use spotters when backing vehicles and equipment. Be cognizant of Area 13 industrial operations and site safety risks associated with welding, material handling, congestion, and activities involving cranes, forklifts, and tractor trailer movements - remain aware of railroad areas and train movements – do not stand near trains.		
ESP MGFD: French (WWI) VB MK 1 Rifle Grenade, High Explosives K40 or MSD 19 ft: HFD: 99ft MFD-H: 720ft With/Engineering Controls 200 ft		
ESP MGFD : Projectile M107 155MM, High Explosives K 40 or MSD=-105ft HFD: 450ft MFD-H 2,894ft - With/Engineering Controls 220ft		
PPE: OSHA Level “D:” (Hard Hats when near operational EME), Safety Vest, Eye Protection, Hearing Protection (when near operational EME) work boots, or rubber boots for wetland areas		
SECURITY: Everyone’s Responsibility – if you see a non-essential person in the area, notify the Safety Officer, if approached be polite, – remain cognizant of the public presence, lock vehicles, place vehicle keys in known place to team members such as behind the gas cap door.		
WARNING SIGNALS: One Whistle (Stop, Look, and Listen)		
MUNITIONS AND EXPLOSIVES OF CONCERN (MEC) - UXO Qualified personnel shall Identify, Assess, Classify, Mark and Report MEC/MPPEH – Avoid direct contact and movement of MEC or MPPEH - Do not pick-up unknown objects, If you did not drop it, do not pick it up.		
TRAFFIC SAFETY - Maintain eye-contact with oncoming traffic, always think an escape route. DO NOT ASSUME TRAFFIC SEES YOU, BE DEFENSIVE		
HAZARD COMMUNICATIONS: You have the right to a safe workplace. The Occupational Safety and Health Act of 1970 (OSH Act) was passed to prevent workers from being killed or seriously harmed at work. The law requires employers to provide their employees with working conditions that are free of known dangers. The Act created the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards. OSHA also provides information, training and assistance to workers and employers. Workers may file a complaint to have OSHA inspect their workplace if they believe that their employer is not following OSHA standards or that there are serious hazards to their safety.		
FIRST AID TOPIC: Bee, wasp, yellow jacket, hornet, or fire ant stings are the insect stings that most often trigger allergies. However, most people are not allergic to insect stings and may mistake a normal sting reaction for an allergic reaction. By knowing the difference, you can lessen victim worry and encourage a calm response. The severity of an insect sting reaction varies from person to person. There are three (3) types of reactions NORMAL, LOCALIZED, AND ALLERGIC: <ul style="list-style-type: none"> A normal reaction will result in pain, swelling, and redness around the sting site. Monitor victim, if swelling spreads refer victim to a doctor A large local reaction will result in swelling that extends beyond the sting site. For example, a person stung on the ankle may have swelling of the entire leg. While it often looks alarming, it is generally no more serious than a normal reaction. Refer victim to a doctor. 		

- The most serious reaction to an insect sting is an **allergic** one (described below). This condition requires immediate medical attention. Symptoms of a severe insect sting allergy (called an anaphylactic reaction) may include one or more of the following:
 - Difficulty breathing
 - Hives that appear as a red, itchy rash and spread to areas beyond the sting
 - Swelling of the face, throat, or mouth tissue
 - Wheezing or difficulty swallowing
 - Restlessness and anxiety
 - Rapid pulse
 - Dizziness or a sharp drop in blood pressure

Although severe allergic reactions are not that common, they can lead to shock, cardiac arrest, and unconsciousness in 10 minutes or less. This type of reaction can occur within minutes after a sting and can be fatal. Get emergency treatment as soon as possible.

A mild allergic reaction to an insect sting may cause one or more of the following symptoms at the site of the sting:

- Pain
- Redness
- Pimple-like spots
- Mild to moderate swelling
- Warmth at the sting site
- Itching

People who have experienced an allergic reaction to an insect sting have a 60% chance of a similar or worse reaction if they are stung again.

SAFETY TOPIC: Escape from Fire – plan ahead, discuss where to go, state each team members role and responsibility, identify to each team member where you are (State the address or nearest cross streets by name to your work location), provide a location that a first responder will recognize, know what to communicate to a 911 operator or fire department. Identify your full name, your location, nature of your Emergency, number of injured personnel – stay on the telephone until the 911 operator tells you to hang up.

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 10/28/2013

LOCATION OF WORK: Area 12, DSA #2

DESCRIPTION OF WORK: Mobilization and Site Setup
Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 40 °F MAX: 61 °F

1. Work completed today by subcontractor:

Dredge Spoil Area 2 transect layout and marking

.Area 12 Transect layout and Marking

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 10-28-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Dredge Spoil Area 2. Area 12
Chris Rose
Michael Malko
Kevin Lombardo
Jonathon Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #2 and Area 12. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



10-28-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>10/28/13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>Flagging transects</u>		
Attendees:		
Print Name	Sign Name	
<u>Jonathan Walden</u>	<u>[Signature]</u>	
<u>Chris Rose</u>	<u>[Signature]</u>	
<u>M. H. MARCH</u>	<u>[Signature]</u>	
<u>Kevin Lombardo</u>	<u>[Signature]</u>	
List Tasks and verify that applicable AHAs have been reviewed:		
<u>General site travel, Flag transects + Site boundaries</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand tools, Bobcat skid steer</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXO - MGC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input checked="" type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input checked="" type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> Soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print): Jon Walden
 Signature: [Signature]

Date: 10/28/13

**DAILY REPORT**

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		005			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		10/29/13			
REVISION NUMBER:				REVISION DATE:					
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Clear		MAX TEMP (F):	60	MIN TEMP (F):	38

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects. Attend Weekly QC meeting, Scout location for Magazine,

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.

TAILGATE TOPICS: PPE- Eye Protection, safety vests, 2-way radio communication, Safe equipment operations, Run through equipment operators manual with team and safety topics and concerns associated with skid steer. 3 points of contact on trailer, truck, and other equipment, Vehicle recovery, Weather conditions,

SAFE BEHAVIOR OBSERVATIONS: None for today.

OPERATIONS / PRODUCTION REPORT**WORK FORCE – CONTRACTOR AND SUBCONTRACTOR**

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	250	50	

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Tracked Skid Steer	Takeuchi TL 230C	223100479	CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.):

All equipment functions as intended- Pass


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 2, Site walk at DSA 1, Scout locations for magazine.				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Utilizing Skid Steer to clear transect. Areas not readily accessible or ground very soft and causing skid steer to get stuck in mud. Required outside services to recover skid steer from location in DSA 2.				
VISITORS AND DISCUSSIONS: Weekly QC meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Skid Steer	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		
QUALITY ISSUES AND RESOLUTIONS: Zero				

APPENDIX F - DAILY REPORTS

SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): ARGO inoperable. To be repaired by end of week and returned to operation for work beginning on Monday 11/4/13.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		10/29/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 10/29/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 005	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Kevin Lombardo	
AM WEATHER: Mostly Sunny/ cold		PM WEATHER: Mostly Sunny / cool		MAX TEMP: 57 °F	
				MIN TEMP: 42 °F	
SUMMARY OF WORK PERFORMED TODAY					
The weekly QC call was conducted.					
Approximately 85% of DSA 2 transects have been marked. The ground on the remaining transects appears to be very soft we will attempt to complete these areas with the Argo after repairs are completed. Transect marking will continue tomorrow in DSA 1.					
A potential site for the relocation of the explosive magazine has been located and forwarded for approval. Grid coordinates: 40°30'37".111 N 74°21'10".867 E					
	Was A Job Safety Meeting Held This Date?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	42
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	0
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	42
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	204
				Total Work Hours From Start of Construction	246
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	1	9	
Utility Vehicle	Argo	Chris Rose	0	10	10
GPS	Trimble Geo XH	Mike Malko	10	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	10	0	
Pick-up truck	Chevrolet Silverado	Noah Weinberg	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Skid steer	Takeuchi	Jonathan Waldron	10	0	
Trailer	Tow Master	Jonathan Waldron	10	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): <u>Area18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.</u>					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 10/29/2013 REVISION NO: REVISION DATE:	
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APPENDIX F - DAILY REPORTS

[illegible]

Former Raritan Arsenal,		
RI/FS		
Edison NJ		
Contract Number: W912Dy09D0060 – Task Order: 003		
Project Date: October 29, 2013	Project Working Day: 5	Days With-out an Accident: 4
Temperature (noon): 57	Wind Direction: South/SW	Wind Speed: Calm –breeze 2-3mph
Uv Index: Moderate	Humidity: 20%	Chance of Rain: Low
WORK AREA SAFETY: Remain Cognizant of Heavy Equipment Movements – wear high visibility clothing – use spotters when backing vehicles and equipment. Be cognizant of Area 13 industrial operations and site safety risks associated with welding, material handling, congestion, and activities involving cranes, forklifts, and tractor trailer movements - remain aware of railroad areas and train movements – do not stand near trains.		
ESP MGFD: French (WWI) VB MK 1 Rifle Grenade, High Explosives K40 or MSD 19 ft: HFD: 99ft MFD-H: 720ft With/Engineering Controls 200 ft		
ESP MGFD : Projectile M107 155MM, High Explosives K 40 or MSD=-105ft HFD: 450ft MFD-H 2,894ft - With/Engineering Controls 220ft		
PPE: OSHA Level “D:” (Hard Hats when near operational EME), Safety Vest, Eye Protection, Hearing Protection (when near operational EME) work boots, or rubber boots for wetland areas		
SECURITY: Everyone’s Responsibility – if you see a non-essential person in the area, notify the Safety Officer, if approached be polite, – remain cognizant of the public presence, lock vehicles, place vehicle keys in known place to team members such as behind the gas cap door.		
WARNING SIGNALS: One Whistle (Stop, Look, and Listen)		
MUNITIONS AND EXPLOSIVES OF CONCERN (MEC) - UXO Qualified personnel shall Identify, Assess, Classify, Mark and Report MEC/MPPEH – Avoid direct contact and movement of MEC or MPPEH - Do not pick-up unknown objects, If you did not drop it, do not pick it up.		
TRAFFIC SAFETY - Maintain eye-contact with oncoming traffic, always think an escape route. DO NOT ASSUME TRAFFIC SEES YOU, BE DEFENSIVE		
HAZARD COMMUNICATIONS: Emergency evacuation routes are marked by a road sign with a large blue dot with white text stating evacuation route – there are four (4) north/south evacuation highways and two (2) west evacuation highways from Raritan Arsenal <ul style="list-style-type: none"> • Garden State Parkway (North and South) • New Jersey Turnpike – Interstate 95 (North and South) • New Jersey Route 1 (North and South) • New Jersey Route 9 (North and South) • New Jersey Route 440 West • New Jersey Route 35 West 		
FIRST AID TOPIC: Insect Bites - Signs and symptoms of an insect bite result from the injection of venom or other substances into your skin. The venom causes pain and sometimes triggers an allergic reaction. The severity of the reaction depends on your sensitivity to the insect venom or substance and whether you've been stung or bitten more than once. Most reactions to insect bites are mild, causing little more than an annoying itching or stinging sensation and mild swelling that disappear within a day or so. A delayed reaction may cause fever, hives, painful joints and swollen glands. You might experience both the immediate and the delayed reactions from the same insect bite		

or sting. Only a small percentage of people develop severe reactions (anaphylaxis) to insect venom. Signs and symptoms of a severe reaction include:

MILD REACTIONS:

Move to a safe area to avoid more stings.

Remove the stinger, especially if it's stuck in your skin. This will prevent the release of more venom. Wash the area with soap and water.

Apply a cold pack or cloth filled with ice to reduce pain and swelling.

Try a pain reliever, such as ibuprofen (Advil, Motrin, others) or acetaminophen (Tylenol, others), to ease pain from bites or stings.

Apply a topical cream to ease pain and provide itch relief. Creams containing ingredients such as hydrocortisone, or lidocaine may help control pain.

Take an antihistamine containing diphenhydramine (Benadryl, others) or chlorpheniramine maleate (Chlor-Trimeton, others).

Allergic reactions may include mild nausea and intestinal cramps, diarrhea, or swelling larger than 4 inches (about 10 centimeters) in diameter at the site, bigger than the size of a baseball. See a doctor promptly if you experience any of these signs and symptoms.

SEVERE REACTIONS:

Severe reactions affect more than just the site of the insect bite and may progress rapidly. Call 911 or emergency medical assistance if the following signs or symptoms occur:

Difficulty breathing; Swelling of the lips or throat; Faintness; Dizziness; Confusion; Rapid heartbeat; Hives
Nausea, cramps and vomiting; Take these actions immediately while waiting with an affected person for medical help:

1. **Check for medications** that the person might be carrying to treat an allergic attack, such as an autoinjector of epinephrine (EpiPen, Twinject). Administer the drug as directed — usually by pressing the autoinjector against the person's thigh and holding it in place for several seconds. Massage the injection site for 10 seconds to enhance absorption.
2. **Loosen tight clothing** and cover the person with a blanket. **Don't give anything to drink.**
3. **Turn the person on his or her side** to prevent choking if there's vomiting or bleeding from the mouth.
4. **Begin CPR** if there are no signs of circulation, such as breathing, coughing or movement.

If a doctor has prescribed an auto-injector of epinephrine, read the instructions before a problem develops and also have your team members read them before you start work.

SAFETY TOPIC: HOT WORKS -- Consult – USACOE EM 385-1-1, Evaluate the area where work is to be performed before requesting a HOT WORK permit. Is it an open area, confined space, are hazardous materials present, are flammables or combustibles present, is the illumination sufficient, do you need to shield the public from Arc

Flashes, what water sources are available, could fire suppression systems be effected – do utilities need to be locked and tagged out. For active military installations the Safety office requires a HOT WORK Permit --- Do not attempt Hot Works without an approved permit – The Hot Work Permit will identify compliance minimums, limitations, restrictions and training. Employees, supervisors, maintenance individuals, fire wardens, trained fire watch individuals, and contractors all have different roles, to ensure safe hot works.

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 10/29/2013

LOCATION OF WORK: Area 12, DSA #2

DESCRIPTION OF WORK: Mobilization and Site Setup
Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 39 °F MAX: 55 °F

1. Work completed today by subcontractor:

Dredge Spoil Area 2 transect layout and marking

.

.

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

Weekly QC Meeting/Teleconference with USACOE QA Dorothy Richards CHEMC

Sandra Piettro USACOE Project Manager, Mark Callaghan CH2M Hill Project Manager Nelson

Dave Nelson CH2M Atlanta, Kevin Lombardo CH2M Hill Operations Manager

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

A portion of transect TDSA2-1 is occupied by a tenant of the Federal Business center and will need to be relocated. Large steel stock is stacked in the transect between Lat Long 40° 23' 39.792N 74° 19' 43.159W and 40° 29' 45.019N 74° 19' 38.895W.

5. Comments:

See attached photos

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 10-29-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Dredge Spoil Area 2.
Chris Rose
Michael Malko
Kevin Lombardo
Jonathan Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST

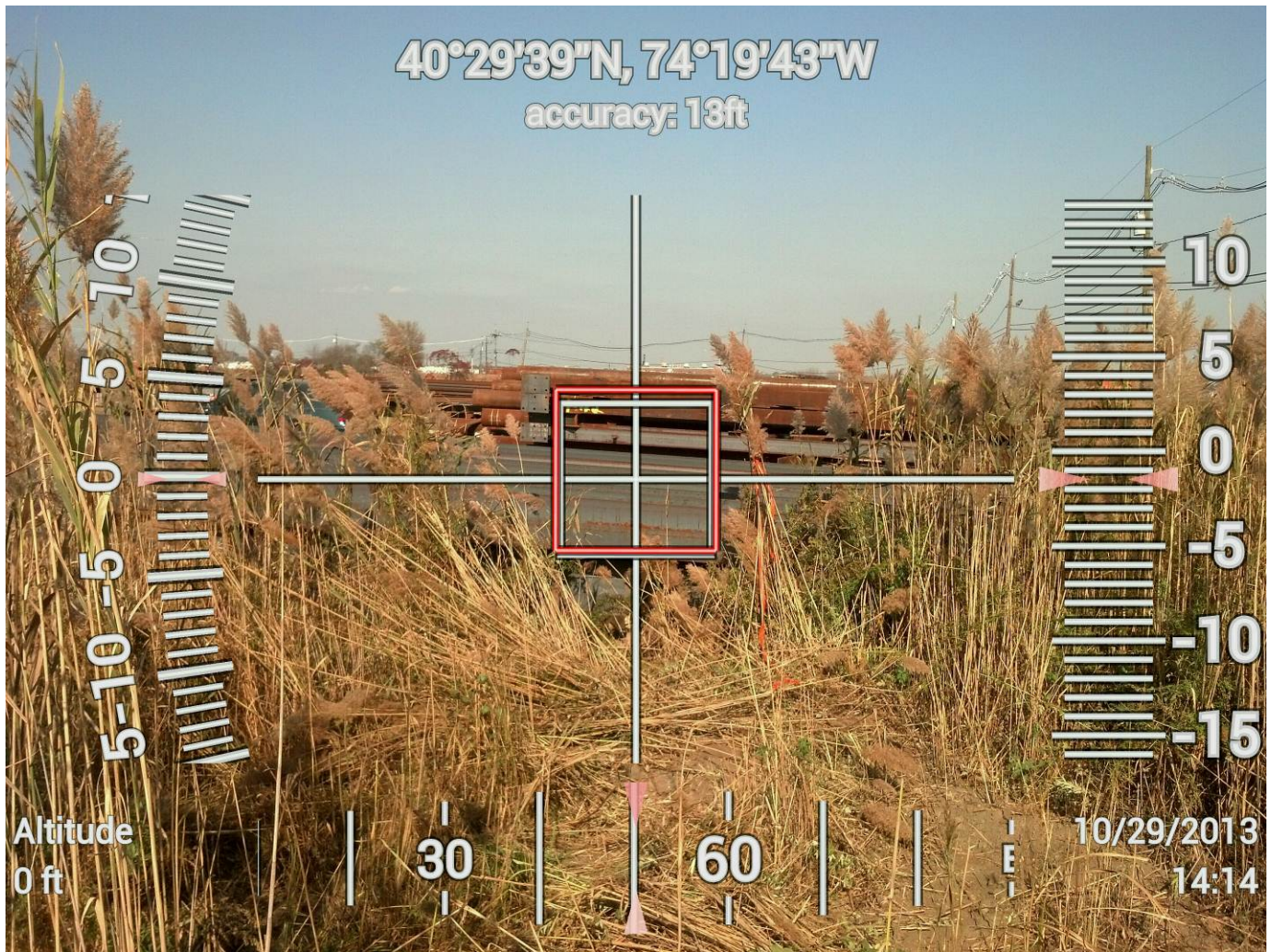
Transect layout continued in DSA #2 and Area 12. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS
A portion of transect TDSA2-1 is occupied by a tenant of the Federal Business center and will need to be relocated. Large steel stock is stacked in the transect between
Lat Long 40° 23' 39.792N 74° 19' 43.159W and 40° 29' 45.019N 74° 19' 38.895W.
See Attached Photos



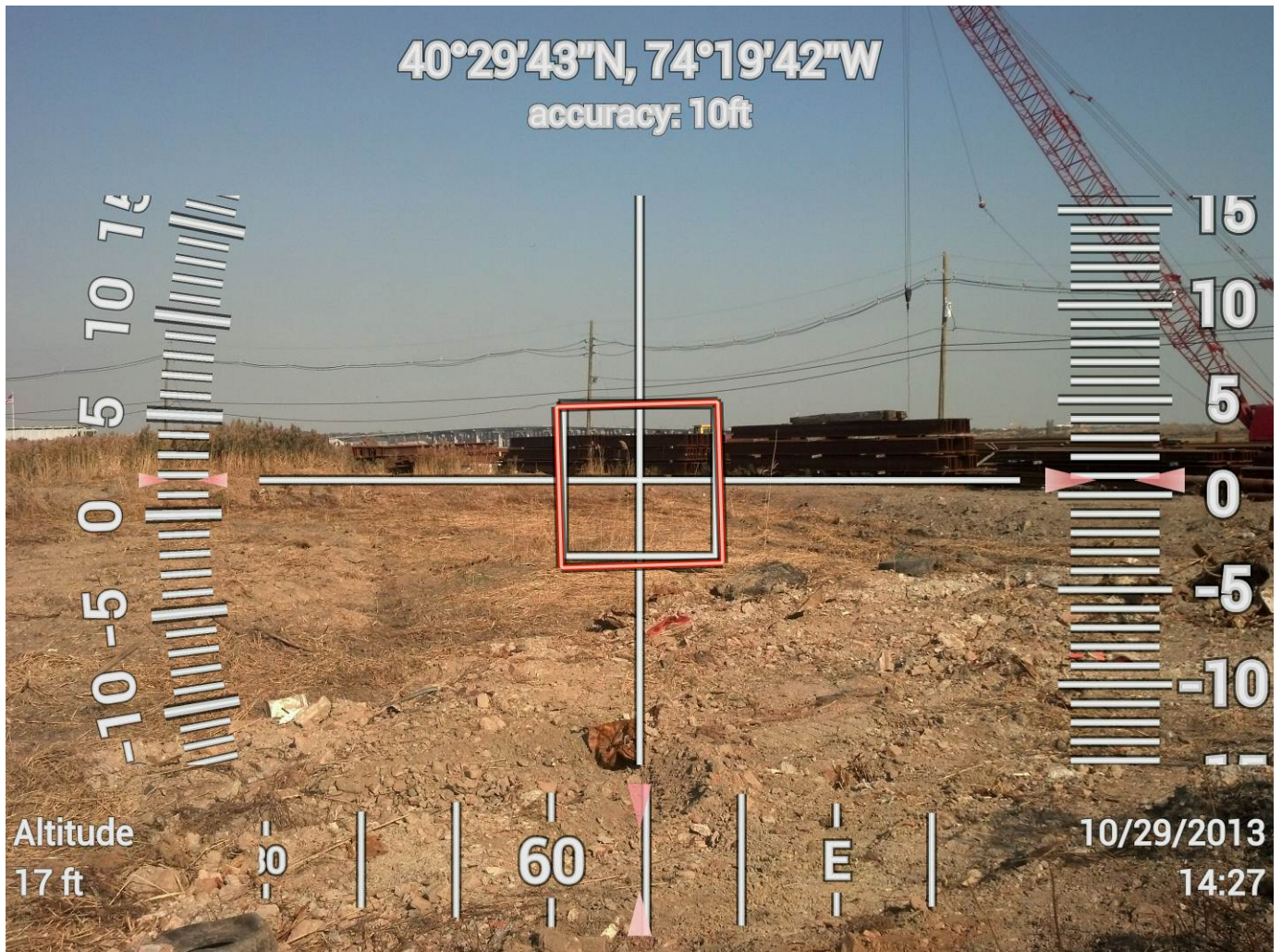
10-29-2013

Project QC Specialist

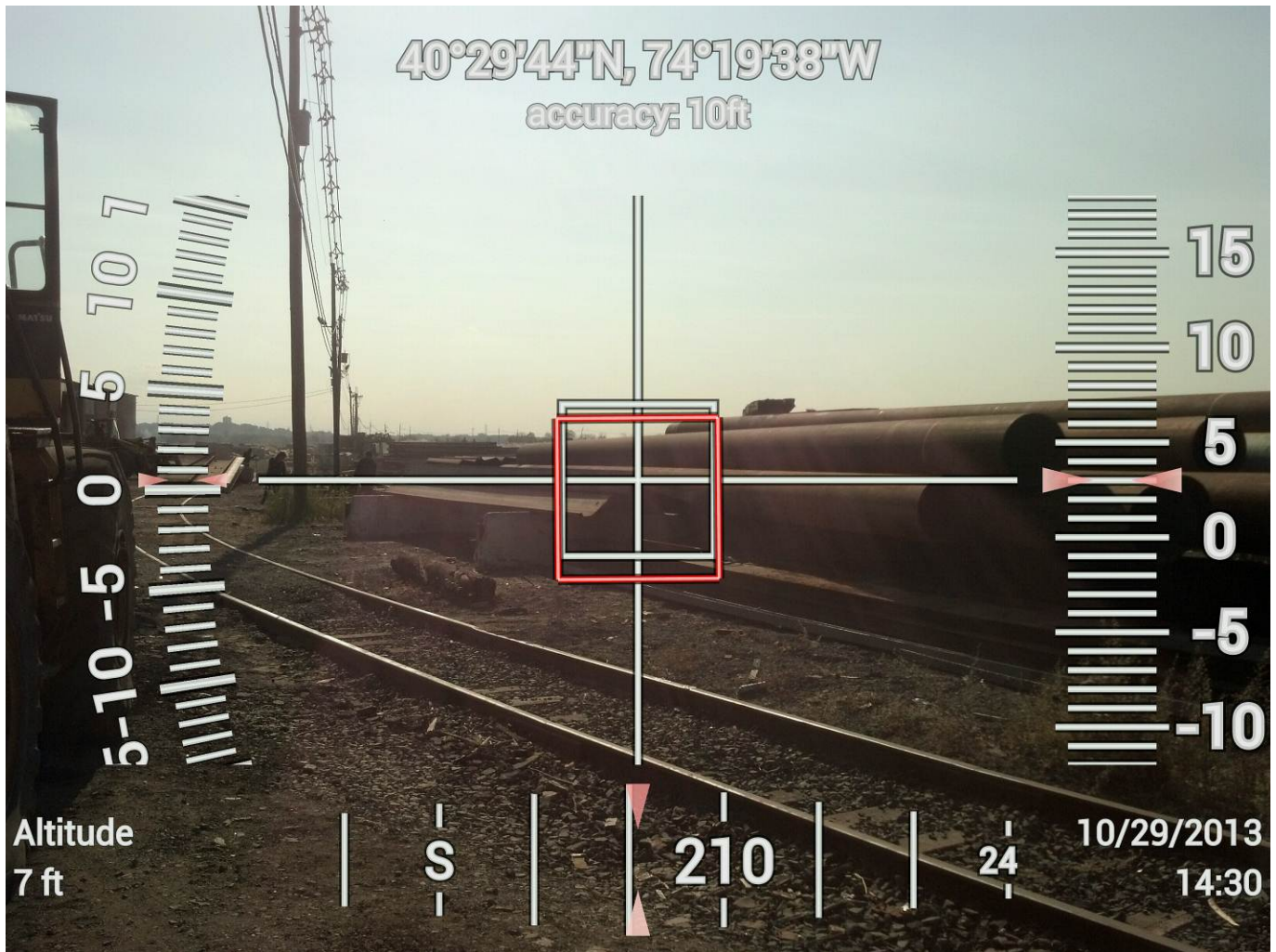
Date



Looking down Transect DSA2-1 line (TDSA 2-1) NorthEast



Profile view of Transect DSA2-1



Standing on point TDSA 2-1B looking SouthWest.

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>10/29/13</u>		
Supervisor: <u>C. Rose / J. Walden</u>		Job
Activity: <u>Transect Flagging / Site prep</u>		
Attendees:		
Print Name	Sign Name	
<u>Jonathan Walden</u>	<u>[Signature]</u>	
<u>Kevin Lombardo</u>	<u>[Signature]</u>	
<u>MA MacKee</u>	<u>[Signature]</u>	
<u>Chris Rose</u>	<u>[Signature]</u>	
List Tasks and verify that applicable AHAs have been reviewed:		
<u>UTV operations, Fly transects, Travel to and from site</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand tools, GPS, Skid steer</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>M.E.C. / UXO</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input checked="" type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>Skid steer operations in water / soft area</u>			

Name (Print): Jonathan Waldron
 Signature: [Signature]

Date: 10/29/13



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		006			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		10/30/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Clear		MAX TEMP (F):	60	MIN TEMP (F):	38

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects in DSA 1 and DSA 2. Confirm location of Magazine on E.P.A. facility. Team meetings with client and customers. Performed radio checks throughout all work areas including DSA 5, Sayerville, NJ.
Please refer to attached Production Report and QC report for specifics.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment. SBO for skid steer operations.

TAILGATE TOPICS: PPE- Eye Protection, safety vests, 2-way radio communication, Safe equipment operations, Run through equipment operator's manual with team and safety topics and concerns associated with skid steer. 3 points of contact on trailer, truck, and other equipment, Vehicle recovery, Weather conditions/ potential changes in weather.

SAFE BEHAVIOR OBSERVATIONS: Skid Steer Operations

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	304*	50	
	*4 hours added for work on 10-26 and 10-27 2013		

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Tracked Skid Steer	Takeuchi TL 230C	223100479	CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): Skid steer overheating during long operation periods. Clean off radiator and inspect fluids. Will monitor for overheating.				
All equipment functions as intended- Monitor overheating issues with skid steer.				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 2, Site walk at DSA 1, Scout locations for magazine.				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Utilizing Skid Steer to clear transect. Areas not readily accessible or ground very soft. Thick layers of vegetation on top of ground surface, up to 4'-5' thick in some places. Increased concern and potential delays in vegetation reduction and clearance. Will discuss with Project Management Team. Transects in wet areas not able to be safely accessed will be relocated to drier lands surfaces and documented per Project Manager. Transects missing in Area 12 – shown on figures but not on GPS / Shape files. Need to clarify transect locations / accuracy between figures and GPS data				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Skid Steer	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: Skid steer overheating. Cleaned off radiator, inspected fluids and will monitor status.				
SUBMITTALS INSPECTION / REVIEW				
Submittal No.	Submittal Description	Specification/Plan Reference	Submittal Approved?	Comment/Reason/Action
NA			Yes <input type="checkbox"/> No <input type="checkbox"/>	
			Yes <input type="checkbox"/> No <input type="checkbox"/>	
			Yes <input type="checkbox"/> No <input type="checkbox"/>	
			Yes <input type="checkbox"/> No <input type="checkbox"/>	
REGULATORY COMPLIANCE REPORT				
PERMIT INSPECTIONS PERFORMED: NA				
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION				
Inspection Performed By:	NA	Signature of Inspector:	NA	
Accumulation / Stockpile Area Inspected:	NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes: NA
				No. of Drums NA
Inspection Results: NA				
GENERAL COMMENTS				
General Comments~ (rework, directives, etc.): ARGO inoperable. To be repaired by end of week and returned to operation for work beginning on Monday 11/4/13. Area for Magazine identified on EPA property and cleared for use. Transects not able to be accessed will be relocated to drier locaitons per PM.				
ATTACHMENTS				
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. SBO attached				
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.		Jonathan Waldron		10/30/13
		PREPARER'S SIGNATURE		DATE

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 10/30/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 006	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Kevin Lombardo	
AM WEATHER: Partly cloudy/ cool		PM WEATHER: Partly cloudy / cool		MAX TEMP: 61 °F	
				MIN TEMP: 40 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>Mark Callaghan, PM, arrived on site for meetings with the USACE and the local public..</p> <p>Approximately 45% of DSA 1 transects have been marked. Areas of DSA 1 are soft and the skid steer was stuck for approximately 2 hours. Continuation of transect marking in accessible areas will continue tomorrow.</p> <p>Sandra Piettro, USACE-New York; Brett Frazier, USACE-Huntsville and Kevin Lombardo met with Federal Business Center representatives and tenants to discuss the parking areas in DSA 1 & 2. It was agreed that no DGM will be conducted on the FEDEX parking lot in DSA 1 and the area will be made up in a different location of DSA 1. The transects located in the parking area of DSA2 were marked and shown to the tenant so arrangements can be made for data collection.</p> <p>The potential site on EPA property for the relocation of the explosive magazine was approved by Kwong Cho of the EPA</p> <p>Minimum Quantity distances for the proposed explosives magazine location were confirmed.</p> <p>George Efinger, New Jersey DEP Section Forest Firewarden, stopped by to introduce himself and check on the operation.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	45
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	0
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	45
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	246
			Total Work Hours From Start of Construction	291	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections, Communications check in DSA 5.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	1	9
Utility Vehicle		Argo	Chris Rose	0	10
GPS		Trimble Geo XH	Mike Malko	10	0
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	10	0
Pick-up truck		Chevrolet Silverado	Noah Weinberg	10	0
SUV		Ford Edge	Chris Rose	10	0
Office Trailer		ModSpace	Jonathan Waldron	10	0
Generator		Ingersol Rand	Jonathan Waldron	10	10
Portable toilet		Satellite Industries	Chris Rose	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Skid steer		Takeuchi	Jonathan Waldron	10	10
Trailer		Tow Master	Jonathan Waldron	10	10
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): <u>Area 18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.</u>					
VISITORS TO THE SITE: Sandra Piettro: USACE New York; Brett Frazier: USACE Huntsville; Kwong Cho:EPA; George Efinger, New Jersey DEP Section Forest Firewarden.					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

Former Raritan Arsenal,		
RI/FS		
Edison NJ		
Contract Number: W912Dy09D0060 – Task Order: 003		
Project Date: October 30, 2013	Project Working Day: 6	Days With-out an Accident: 5
Temperature (noon): 61	Wind Direction: West	Wind Speed: Breeze (5-7 mph)
Uv Index: Moderate	Humidity: 40%	Chance of Rain: Sprinkles
WORK AREA SAFETY: Remain Cognizant of Heavy Equipment Movements – wear high visibility clothing – use spotters when backing vehicles and equipment. Be cognizant of Area 13 industrial operations and site safety risks associated with welding, material handling, congestion, and activities involving cranes, forklifts, and tractor trailer movements - remain aware of railroad areas and train movements – do not stand near trains.		
ESP MGFD: French (WWI) VB MK 1 Rifle Grenade, High Explosives K40 or MSD 19 ft: HFD: 99ft MFD-H: 720ft With/Engineering Controls 200 ft		
ESP MGFD : Projectile M107 155MM, High Explosives K 40 or MSD=-105ft HFD: 450ft MFD-H 2,894ft - With/Engineering Controls 220ft		
PPE: OSHA Level “D:” (Hard Hats when near operational EME), Safety Vest, Eye Protection, Hearing Protection (when near operational EME) work boots, or rubber boots for wetland areas		
SECURITY: Everyone’s Responsibility – if you see a non-essential person in the area, notify the Safety Officer, if approached be polite, – remain cognizant of the public presence, lock vehicles, place vehicle keys in known place to team members such as behind the gas cap door.		
WARNING SIGNALS: One Whistle (Stop, Look, and Listen)		
MUNITIONS AND EXPLOSIVES OF CONCERN (MEC) - UXO Qualified personnel shall Identify, Assess, Classify, Mark and Report MEC/MPPEH – Avoid direct contact and movement of MEC or MPPEH - Do not pick-up unknown objects, If you did not drop it, do not pick it up.		
TRAFFIC SAFETY - Maintain eye-contact with oncoming traffic, always think an escape route. DO NOT ASSUME TRAFFIC SEES YOU, BE DEFENSIVE		
HAZARD COMMUNICATIONS: 1). Hazard Communications Plan (see work plan) 2). Material Safety Data Sheets (MSDS) for each chemical product are located in trailer 3). Each product has a Label on the container with product warnings, and instructions 4). Product name and chemical information are listed on MSDS’s based on a weekly up-to-date inventory of chemical products used onsite. 5). This AM safety briefing is an update of site specific hazard communications.		
FIRST AID TOPIC: Head Injuries <ul style="list-style-type: none"> • Head trauma is an injury that affects the brain / skull • Injuries range from minor to serious • Head injury may be 'closed' or 'penetrating' • 'Closed'-when head hits against a blunt object • These injuries lead to concussion • 'Penetrating' - an object penetrates skull and enters brain <p>Causes</p> <ul style="list-style-type: none"> • Road traffic accidents • Accidents at work or home <ul style="list-style-type: none"> • Assault • Fall 		

- Sports

Symptoms

- Loss of consciousness - for short or long duration
- Bleeding
- Vomiting
- Fluid discharge from nose or ears
- Loss of hearing, vision, taste, smell
- Speech-related problems
- Irregular heart beat
- Seizures
- Paralysis
- Coma
- Change in personality

Treatment For mild injury-

- Apply ice to injured area to minimize swelling
- The size of the bump is not related to the severity of injury
- Observe the patient carefully for signs of bleeding

For moderate to severe injury- Check the patient's breathing pattern

- If necessary do [Cardio Pulmonary Resuscitation \(CPR\)](#)
- In case of bleeding, press area with a clean cloth
- If the cloth soaks, place a fresh cloth over the first one
- Do not remove debris from the wound

SAFETY TOPIC: Eye Protection – USA Eye injuries of all types occur at the rate of about 2,000/per day. These injuries result in temporary or permanent vision loss. Three out of five people who receive sustainable eye injuries were not wearing any eye protection at all.

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 10/30/2013

LOCATION OF WORK: DSA #1 DSA #2

DESCRIPTION OF WORK: Mobilization and Site Setup
Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 47 °F MAX: 61 °F

1. Work completed today by subcontractor:

Dredge Spoil Area 1 and 2 transect layout and marking

.Performed radio communication check from DSA 6 to Office trailer (EPA Compound)

Checked keys to gates to insure access to DSA 8

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

A meeting with NY District/Huntsville USACOE Technical Representatives and Federal

Business Center to coordinate access to parking lots in DSA 1 and DSA 2. Nelson

Mark Callaghan CH2M Hill Project Manager visited the site.

George Effinger Fire Warden with New Jersey Forest Service visited the site

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 10-30-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Dredge Spoil Area #1 and #2.
Chris Rose
Michael Malko
Kevin Lombardo
Jonathon Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #1 and #2. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



10-30-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>10/30/31</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>Transect Flaggging - Site Prep</u>		
Attendees:	Print Name	Sign Name
	<u>Jonathan Waldron</u>	<u>[Signature]</u>
	<u>Chris Rose</u>	<u>[Signature]</u>
	<u>MICHAEL MALU</u>	<u>[Signature]</u>
	<u>Kevin Hambro</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Site Reparin, Transect Flaggging</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand tools, Bob cat Skid Steer</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input checked="" type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input checked="" type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXO, MEC, Vehicle Recovery</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input checked="" type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>Stuck equipment, site access</u> 			

Name (Print): Jonathan Walker
 Signature: [Signature]

Date: 10/30/13

CH2MHILL

Safe Behavior Observation Form			
Project Number: 427946		Client/Program: USACE	
		<input type="checkbox"/> CCI <input checked="" type="checkbox"/> INC	
Project Name: Former Richter Arsenal		Observer: J. Walker	
Date: 10/30/13			
Position/Title of worker observed: UXQC		Background Information/ comments: clearing/Flagging Trees	
Task/Observation Observed: Skid Steer operators			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Practices: Good 2 way radio communication Equipment checked prior to use Safety demo in field
Properly trained/qualified/experienced	X		
Tools/equipment available and adequate	X		
Proper use of tools	X		
Barricades/work zone control	X		Questionable Activity/Unsafe Condition Observed: Area is wet and tracked equipment tends to get stuck in mud
Housekeeping	X		
Communication	X		
Work Approach/Habits	X		
Attitude	X		
Focus/attentiveness	X		Observer's Corrective Actions/Comments: Check areas prior to operating heavy equipment
Pace	X		
Uncomfortable/unsafe position	X		
Inconvenient/unsafe location		X	
Position/Line of fire	X		
Apparel (hair, loose clothing, jewelry)	X		Observed Worker's Corrective Actions/Comments:
Repetitive motion	X		
Other...			

For WST ES staff please email completed forms to CH2MHILL WST ES Safe Behavior Observations - (WSTESSBO@ch2m.com)

For CNR ES staff please email completed forms to cnressafe@ch2m.com



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		007		
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		10/31/13		
REVISION NUMBER:		1		REVISION DATE:		10/30/13		
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron		
AM WEATHER:	cool	PM WEATHER:	Breezy, overcast, light rain. Heavy rain tonight.	MAX TEMP (F):	64	MIN TEMP (F):	45	

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects in DSA 1 and Area 12

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.

TAILGATE TOPICS: Hydration, pinch points, pressurized lines, wet working conditions, slips trips and falls, equipment refueling, safe operation distances.

SAFE BEHAVIOR OBSERVATIONS: None for today-1 per week completed on 10-30-13.

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	364*	60	
	*4 hours added for work on 10-26 and 10-27 2013		

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Tracked Skid Steer	Takeuchi TL 230C	223100479	CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): Same as 10-30-13 Skid steer overheating during long operation periods. Clean off radiator and inspect fluids. Will monitor for overheating.				
All equipment functions as intended- Same as 10-30-13 Monitor overheating issues with skid steer. Taking equipment back to United Rental on 11-1-13 to return. Argo fixed and will be back in operation				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 1 and Area 12				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): same as 10-30-13 Utilizing Skid Steer to clear transect. Areas not readily accessible or ground very soft. Thick layers of vegetation on top of ground surface, up to 4'-5' thick in some places. Increased concern and potential delays in vegetation reduction and clearance. Will discuss with Project Management Team. Transects in wet areas not able to be safely accessed will be relocated to drier lands surfaces and documented per Project Manager.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Skid Steer	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: Skid steer overheating. Cleaned off radiator, inspected fluids and will monitor status.							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): ARGO inoperable. To be repaired by end of week and returned to operation for work beginning on Monday 11/4/13. Area for Magazine identified on EPA property and cleared for use. Transects not able to be accessed will be relocated to drier locaitons per PM.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		10/31/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 10/31/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 007	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy/ cool		PM WEATHER: Cloudy, occasional light rain / warm		MAX TEMP: 68 °F	
				MIN TEMP: 58 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>Transect marking continued in DSA 1 and all transects have been marked except one which was too wet to be completed with the skid steer. The last transect will be completed with the Argo.</p> <p>Transect marking was completed in the unmapped portion of Area 12.</p> <p>Transect marking began in the northern portion of Area 12 and approximately 30% was completed</p> <p>Arrangements were made with Middlesex County College for work to be conducted on parking lot 6A in Area 18 D. Surveying and marking will be conducted on Veteran's Day, Monday 11/11/13 and DGM will be conducted on Sunday, 11/17/13.</p> <p>The Argo has been repaired and will be available tomorrow morning.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	36
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	0
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	36
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	291
			Total Work Hours From Start of Construction	327	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	3	7
Utility Vehicle		Argo	Chris Rose	0	0
GPS		Trimble Geo XH	Mike Malko	7	3
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	10	0
Pick-up truck		Chevrolet Silverado	Noah Weinberg	10	0
SUV		Ford Edge	Chris Rose	10	0
Office Trailer		ModSpace	Jonathan Waldron	10	0
Generator		Ingersol Rand	Jonathan Waldron	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Skid steer		Takeuchi	Jonathan Waldron	10	0
Trailer		Tow Master	Jonathan Waldron	10	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>): <u>Area 18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.</u>					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (<i>OSHA report, confined space entry permit, incident reports, etc.</i>):					

[illegible]

Former Raritan Arsenal,		
RI/FS		
Edison NJ		
Contract Number: W912Dy09D0060 – Task Order: 003		
Project Date: October 31, 2013	Project Working Day: 8	Days With-out an Accident: 7
Temperature (noon): 61	Wind Direction: West	Wind Speed: (15-20mph) Gusts 25-35mph
Uv Index: Moderate	Humidity: 50%	Chance of Rain: Good-Showers late day
WORK AREA SAFETY: Remain Cognizant of Heavy Equipment Movements – wear high visibility clothing – use spotters when backing vehicles and equipment. Be cognizant of Area 13 industrial operations and site safety risks associated with welding, material handling, congestion, and activities involving cranes, forklifts, and tractor trailer movements - remain aware of railroad areas and train movements – do not stand near trains.		
ESP MGFD: French (WWI) VB MK 1 Rifle Grenade, High Explosives K40 or MSD 19 ft: HFD: 99ft MFD-H: 720ft With/Engineering Controls 200 ft		
ESP MGFD : Projectile M107 155MM, High Explosives K 40 or MSD=-105ft HFD: 450ft MFD-H 2,894ft - With/Engineering Controls 220ft		
PPE: OSHA Level “D:” (Hard Hats when near operational EME), Safety Vest, Eye Protection, Hearing Protection (when near operational EME) work boots, or rubber boots for wetland areas		
SECURITY: Everyone’s Responsibility – if you see a non-essential person in the area, notify the Safety Officer, if approached be polite, – remain cognizant of the public presence, lock vehicles, place vehicle keys in known place to team members such as behind the gas cap door.		
WARNING SIGNALS: One Whistle (Stop, Look, and Listen)		
MUNITIONS AND EXPLOSIVES OF CONCERN (MEC) - UXO Qualified personnel shall Identify, Assess, Classify, Mark and Report MEC/MPPEH – Avoid direct contact and movement of MEC or MPPEH - Do not pick-up unknown objects, If you did not drop it, do not pick it up.		
TRAFFIC SAFETY - Maintain eye-contact with oncoming traffic, always think an escape route. DO NOT ASSUME TRAFFIC SEES YOU, BE DEFENSIVE		
HAZARD COMMUNICATIONS: The Hazard Communication Standard (HCS) is now aligned with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). This update to the Hazard Communication Standard (HCS) will provide a common and coherent approach to classifying chemicals and communicating hazard information on labels and safety data sheets. The Globally Harmonized System (GHS) of Classification and Labelling of Chemicals is a worldwide initiative to promote standard criteria for classifying chemicals according to their health, physical and environmental hazards. It uses pictograms , hazard statements , and the signal words “Danger” and “Warning” to communicate hazard information on product labels and safety data sheets in a logical and comprehensive way. The primary goal of GHS is better protection of human health and the environment by providing chemical users and handlers with enhanced and consistent information on chemical hazards.		
FIRST AID TOPIC: Combat Trauma - Pressure points are areas of the body where blood vessels run close to the surface. By pressing on these blood vessels, blood flow further away will be slowed, allowing direct pressure to stop bleeding. When using pressure points, make sure you are pressing on a point closer to the heart than the wound. Pressing on a blood vessel further from the heart than the wound will have no effect on the bleeding. Common pressure points: 1,) Arm between shoulder and elbow - brachial artery; 2,) Males - Groin area, femoral artery 3, Legs Behind the knee – apply dressing to wound		
SAFETY TOPIC: Hearing loss prevention – hearing loss isn't visible like other injuries, but it remains a serious health issue in today's workplaces. Whether you use leaf blowers outdoors or work indoors around		

industrial machinery or driving with a window open for long periods at high speeds, loud noise during work activities can permanently damage your hearing and cause persistent ringing in your ears (tinnitus). Excess noise may add risk for dangerous workplace safety accidents when it interferes with communication and concentration.

Prevention begins with identifying noise sources and evaluating workers' exposures to find out if noise exposure is hazardous. When a hazard is found, employers are required to make changes to reduce or eliminate the noise hazard and educate the workforce about noise and hearing conservation. Wearing noise reducers such as, ear plugs, ear muffs, or ear plugs and ear muffs, can prevent hearing loss.

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 10/31/2013

LOCATION OF WORK: DSA #1, DSA #2, Area 12 unmapped areas, and Area 12 OBOD arc

DESCRIPTION OF WORK: Mobilization and Site Setup
Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 47 °F MAX: 61 °F

1. Work completed today by subcontractor:

Dredge Spoil Area 1, Area 12 unmapped Areas and Area 12 OBOD transect layout and

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 10-31-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Dredge Spoil Area #1 Area 12 unmapped Areas and Area 12 OBOD transect layout and marking
Chris Rose
Michael Malko
Kevin Lombardo
Jonathan Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #1, Area 12 unmapped Areas and Area 12 OBOD transect layout and marking. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



10-31-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Hanford Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>10-31-13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>Transect Flagging</u>		
Attendees:		
Print Name	Sign Name	
<u>Jon Waldron</u>	<u>Jon Waldron</u>	
<u>Chris Rose</u>	<u>Chris Rose</u>	
<u>M A MALHO</u>	<u>M A MALHO</u>	
<u>Kevin Lombardi</u>	<u>Kevin Lombardi</u>	
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Continue w/ Transect Flagging. Transport to and from site</u>		
<u>Trailing equipment</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>hand tools, Bobcat Skid Steer</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard <u>dust</u>
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>Potential UXO + MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input checked="" type="checkbox"/> Respiratory <i>DSL</i> <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input checked="" type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <i>safe distances from towing / vehicle recovery</i>			

Name (Print): Jonathan Walden
 Signature: [Signature]

Date: 10-31-13



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		008			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/1/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Rainy and warm		PM WEATHER:	Rainy and warm		MAX TEMP (F):	73	MIN TEMP (F):	65

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects in DSA 1, 2, 3 and Area 12

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.

TAILGATE TOPICS: Pinch points, Wet weather operations, Argo use, communication, and complacency.

SAFE BEHAVIOR OBSERVATIONS: None for today-1 per week completed on 10-30-13.

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	394*	30	
	*4 hours added for work on 10-26 and 10-27 2013		

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
Took equipment back to United Rental on 11-1-13 to return. Argo fixed and back in operation				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 1, 2, 3 and Area 12				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Transects in wet areas not able to be safely accessed will be relocated to drier lands surfaces and documented per Project Manager.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Skid Steer	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Prepping for USA Environmental arrival on Monday 11-4-13							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/1/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/01/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 008	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy, windy, periods of heavy rain/ cool		PM WEATHER: Partly cloudy, occasional light rain / warm		MAX TEMP: 73 °F	
				MIN TEMP: 65 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>Transect marking was completed in DSA 1.</p> <p>Transect marking was completed in DSA 2 except for transects TDSA2 8A-8B, 9A-9B and 10A-10B. These transects were not able to be completely marked with the skid steer or Argo and will have to be marked on foot.</p> <p>Transect marking began in the northern portion of Area 12 and approximately 30% was completed</p> <p>Transect marking was completed in Area 12 North.</p> <p>Started transect marking in DSA 3. Transects TDSA3 10A-10B, 11A-11B, 12A-12B AND 13A-13B were completed.</p> <p>The skid steer was returned to United Rentals.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	
			Total Work Hours From Start of Construction		355
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	0	10
Utility Vehicle		Argo	Chris Rose	10	0
GPS		Trimble Geo XH	Mike Malko	10	0
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	10	0
Pick-up truck		Chevrolet Silverado	Noah Weinberg	10	0
SUV		Ford Edge	Chris Rose	10	0
Office Trailer		ModSpace	Jonathan Waldron	10	0
Generator		Ingersol Rand	Jonathan Waldron	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Skid steer		Takeuchi	Jonathan Waldron	0	5
Trailer		Tow Master	Jonathan Waldron	0	5
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Area18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/01/2013

LOCATION OF WORK: DSA #1, DSA #3, Area 12 OBOD arc

DESCRIPTION OF WORK: Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 54 °F MAX: 64 °F

1. Work completed today by subcontractor:

DSA #1, DSA #3 Area 12 OBOD transect layout and marking

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-01-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) DSA #1, DSA #3 Area 12 OBOD transect layout and marking
Chris Rose
Michael Malko
Jonathon Waldron

INSPECTIONS PERFORMED & WHO PERFORMED TEST



Transect layout continued in DSA #1, DSA #3 Area 12 OBOD. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS








11-01-2013

Project QC Specialist

Date

	<h1>WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: <u>Remedial investigation / Feasibility Study Former Raritan Arsenal</u>		Report No: <u>Week 2</u>
Contract #: <u>W912DY-09-D-0060</u>	CTO #: <u>003</u>	Date: <u>01 Nov 13</u>
Location <u>Edison New Jersey</u>		
1. Quality Control Activities		
Monitored work practices and procedures to ensure all work was performed was IAW Work Plan, APP, ESS, SOPs and applicable regulations. See Daily QC Reports for inspection and surveillance reports.		
2. Work performed by CH2M Hill and subcontractor(s)		
<p>October 28, 2013 CH2M Hill continued the marking of transects locations in Area 12, for vegetation removal.</p> <p>October 29, 2013 CH2M Hill continued the marking of transects locations in DSA #2, for vegetation removal.</p> <p>October 30, 2013 CH2M Hill continued the marking of transects locations in DSA #2, for vegetation removal.</p> <p>October 31, 2013 CH2M Hill continued the marking of transects locations in DSA #1 and DSA #2, for vegetation removal.</p> <p>November 01, 2013 CH2M Hill continued the marking of transects locations in DSA #1, DSA #3 and Area 12 for vegetation removal.</p>		
3. Preparatory Phase Inspections performed this week,		
None		
4. Initial Phase Inspections performed this week.		
None		

	<h1 style="margin: 0;">WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: <u>Remedial investigation / Feasibility Study Former Raritan Arsenal</u> Report No: <u>Week 2</u>		
Contract #: <u>W912DY-09-D-0060</u> CTO #: <u>003</u> Date: <u>01 Nov 13</u>		
Location: <u>Edison New Jersey</u>		
4. Initial Phase Inspections performed this week.		
Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)		
6. List test performed, samples collected, and results received:		
None		
Personnel Present		
Name	Position	Company
Kevin Lombardo	UXOSO	CH2M Hill
Michael A Malko	UXOQC	CH2M Hill
Chris Rose	SUXOS	CH2M Hill
Jonathan Waldron	HTW Field Team Leader	CH2M Hill
7. Verbal instructions received (instructions given by government representative and actions taken):		
None		
8. Non Conformance / Deficiency reported / Corrective Actions Taken:		
None		
9. Site safety monitoring activities performed:		
Morning safety brief given, Work performed IAW AHA's and Work Plan.		
10. Remarks/ Special Notes / Lessons Learned		
None		
11. Site Visitors		
Mark Callaghan CH2M Hill Project Manager visited the site. George Effinger Fire Warden with New Jersey Forest Service visited the site		

	<h1>WEEKLY QUALITY CONTROL REPORT</h1>	
Project Name: <u>Remedial investigation / Feasibility Study Former Raritan Arsenal</u>		Report No: <u>Week 2</u>
Contract #: <u>W912DY-09-D-0060</u>	CTO #: <u>003</u>	Date: <u>01 Nov 13</u>
Location <u>Edison New Jersey</u>		
<p>CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report performed by CH2M Hill and our sub-contractor(s) and have determined to the best of knowledge and my belief that noted work activities are in compliance with the plans and specifications except as may be noted above.</p>		
Name and Signature: Michael Malko 		Title/Company: UXOQC CH2M Hill Date: October 25, 2013

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Ronchen Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>11/1/13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>Traffic clearing</u>		
Attendees:	Print Name	Sign Name
	<u>Jonathan Walker</u>	<u>[Signature]</u>
	<u>MICHAEL MALKS</u>	<u>[Signature]</u>
	<u>Chris Rose</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Continue w/ Traffic flagging, move to site w/ Trailer</u>		
<u>Argo Operations</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Argo/UTV Hard tools, GPS</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXO / MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <i>Det mask</i> <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input checked="" type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print):

Jonathan Walden

Signature:

Jon Walden

Date:

11-1-13



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		010			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/3/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cloudy, Cool		PM WEATHER:	Cloudy, Warm		MAX TEMP (F):	54	MIN TEMP (F):	48

SUMMARY OF WORK PERFORMED TODAY

Continued flagging transects in DSA 1, 2, 3 and Area 12

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.

TAILGATE TOPICS: Weekend operations, Argo use, communication, site safety and security

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today	Total Work Hours From Start
CH2M HILL	429	13	

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA)	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA)	Leonard	NA	


COMMENTS (acceptance status, inspection findings, etc.): None

Took equipment back to United Rental on 11-1-13 to return. Argo fixed and back in operation				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Continue to flag transects at DSA 1, 2, 3 and Area 12				
Planned Work / Test for Tomorrow: Continue site boundary and transect flagging				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Transects in wet areas not able to be safely accessed will be relocated to drier lands surfaces and documented per Project Manager.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Prepping for USA Environmental arrival on Monday 11-4-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.			Jonathan Waldron		11/3/13
			PREPARER'S SIGNATURE		DATE

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/03/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 010	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy / cool		PM WEATHER: Cloudy / warm		MAX TEMP: 54 °F	
				MIN TEMP: 48 °F	
SUMMARY OF WORK PERFORMED TODAY					
Attempted to complete transect marking of the remaining unmarked transects in DSA 3. Access to Transects TDSA3 1, 2, 3 and the northern portion of 4 could not be located due to canals surrounding the area.					
Access was found in the southern end of DSA2 allowing for the completion of transect marking of transects TDSA2 2 and 3.					
	Was A Job Safety Meeting Held This Date?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	08
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	0
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	08
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	375
				Total Work Hours From Start of Construction	383
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	0	10
Utility Vehicle		Argo	Chris Rose	4	6
GPS		Trimble Geo XH	Mike Malko	4	6
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	0	10
Pick-up truck		Chevrolet Silverado	Mike Malko	4	6
SUV		Ford Edge	Chris Rose	4	6
Office Trailer		ModSpace	Jonathan Waldron	0	10
Generator		Ingersol Rand	Jonathan Waldron	0	10
Portable toilet		Satellite Industries	Chris Rose	0	10
Portable toilet		Satellite Industries	Chris Rose	0	10
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): <u>Area 18 D requires additional transects to ensure the suspected trench area will be covered during the investigation. The area requiring additional transects has been forwarded to Tamir Klaff to be added to the shape files for inclusion into the investigation.</u>					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/03/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 010	
WORK PERFORMED TODAY					

APPENDIX F - DAILY REPORTS

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/03/2013

LOCATION OF WORK: DSA #2, DSA #3

DESCRIPTION OF WORK: Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 31 °F MAX: 52 °F

1. Work completed today by subcontractor:

DSA #2, DSA #3 transect layout and marking

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:
None

5. Comments:

The staff was unable to find an access to DSA #3 transects TDSA3-1, TDSA3-2, TDSA3-3, and the northern portion of transect TDSA3-4 due to the area being surrounded by a drainage canal filled with water...

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-03-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) DSA #2, DSA #3 transect layout and marking
Chris Rose
Michael Malko

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #2, DSA #3 Area.. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



11-03-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RTFS RAILROAD</u>		Location: <u>SITE 12 DSA H2-#3</u>
Date: <u>09 Nov 12</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: <u>TRANSFER</u>		
Attendees:		
Print Name		Sign Name
<u>CHRIS ROSE</u>		<u>Chris Rose</u>
<u>MICHAEL MACKO</u>		<u>Michael Macko</u>
List Tasks and verify that applicable AHAs have been reviewed:		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input checked="" type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print):

Signature:

Date:



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		011	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/4/13	
REVISION NUMBER:		1		REVISION DATE:		10/30/13	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Cold	PM WEATHER:	Cool, warming, clear	MAX TEMP (F):	44	MIN TEMP (F):	32
SUMMARY OF WORK PERFORMED TODAY							
Mobilization of USA Environmental veg. clearing staff. Site safety briefing, familiarization and staging. Reviewing AHA's, HASP, Emergency procedures, and site layout. Flag transects in DSA 3 and Area 12							
HEALTH AND SAFETY REPORT							
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: No violations observed. Daily inspections completed on generator, vehicles and support equipment.							
TAILGATE TOPICS: Site mobilization, review HASP, PTSP, Site layout, and rules, roles and expectations for site operations.							
SAFE BEHAVIOR OBSERVATIONS: None for today							
OPERATIONS / PRODUCTION REPORT							
WORK FORCE – CONTRACTOR AND SUBCONTRACTOR							
Company		Cumulative Total of Work Hours From Previous Report		Total Hours Today			
CH2M HILL		See attached		40			
See Attached for Subcontractor operations and production report							
EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
ARGO (NAEVA)		ARGO				CH2M HILL	
Job Trailer		ModSpace 10'x44'		291159		CH2M HILL	
Generator		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400				CH2M HILL	
Metal detector		Schonsted				CH2M HILL	
GPS Equipment		Trimbel Geo XH 6000				CH2M HILL	
Bob Cat UTV		Bob Cat 3400		31455		CH2M HILL	
Double axel trailer for UTV		Sunbelt rentals/Dumper		186970		CH2M HILL	
Trialer for Argo (NAEVA)		Leonard		660		CH2M HILL	
COMMENTS (acceptance status, inspection findings, etc.): None							


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: HASP briefing, site familiarization, prep and staging.				
Planned Work / Test for Tomorrow: Veg. clearance / reduction				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): AHA's for USA Environmental not to standard and need to be revised. Miscommunication as to plan for today. USA Environmental will not start vegetation clearance. USA Environmental to gather equipment and materials needed for work and will start with field operations on Tuesday 11-5-13.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): USA Environmental on Monday 11-4-13. Prep for veg reduction/ clearance.					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.		Jonathan Waldron		11/4/13	
		PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/04/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 011	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cold		MAX TEMP: 32 °F	
				MIN TEMP: 45 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>USAE's vegetation reduction teams arrived on site. The teams were given a site specific briefing, reviewed AHAs, received field equipment and prepared for field work to begin tomorrow.</p> <p>Jim Marshall arrived on site to assume UXOSO duties.</p> <p>Weekly operations call conducted.</p> <p>Two 20ft conexes were delivered to USAE and set up at the CH2M HILL office trailer..</p> <p>Access was located into the southeastern portion of DSA3 allowing Transects TDSA3 1, 2, 3 and 4 to be marked.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	44
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	216
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	260
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	383
			Total Work Hours From Start of Construction	643	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
SUV		Ford Edge	7BC5849	Jim Marshall	1ea
Utility Vehicle		Bobcat	314556	Jonathan Waldron	1ea
Trailer		EZDumper	186970	Jonathan Waldron	1ea
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	0	10	
Utility Vehicle	Argo	Mike Malko	4	6	
Trailer	Leonard	Mike Malko	4	6	
GPS	Trimble Geo XH	Mike Malko	4	6	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	11	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	11	0	
SUV	Ford Edge	Chris Rose	11	0	
SUV	Ford Edge	Jim Marshall	11	0	
Office Trailer	ModSpace	Jonathan Waldron	11	0	
Generator	Ingersol Rand	Jonathan Waldron	11	0	
Portable toilet	Satellite Industries	Chris Rose	11	0	
Portable toilet	Satellite Industries	Chris Rose	11	0	
Utility Vehicle	Bobcat	Jonathan Waldron	4	6	
Trailer	EZDumper	Jonathan Waldron	4	6	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/04/2013

LOCATION OF WORK: DSA #3, Area 12 Site Trailer (EPA Compound)

DESCRIPTION OF WORK: Mobilization and Site Setup, Transect layout and marking

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 36 °F MAX: 46 °F

1. Work completed today by subcontractor:

Mobilization of Vegetation Clearance Teams and Equipment, Site Specific Briefing

Site and equipment setup and testing

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Mobilization and Site Setup (Vegetation Removal Crews)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

Vegetation removal subcontractor does not have an approved AHA for mechanical vegetation removal. Subcontractor will provide an AHA for this activity prior to any mechanized vegetation removal.

5. Comments:

An access point to DSA #3 transects TDSA3-1, TDSA3-2, TDSA3-3, and the northern portion of transect TDSA3-4 was located today. Approximately 75-80% of these transects are covered with standing water two to six inches in depth.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-04-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) Area 12, DSA #3 transect layout and marking
Chris Rose
Michael Malko
Jonathan Waldron
Jim Marshal

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #3 and Area 12. UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



11-04-2013

Project QC Specialist

Date

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-04-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Mobilization and site setup. EPA Compound Edison NJ	
Charles Rose	James Royalty
Mike Malko	Paul Schmidt
Jim Marshall	Christopher Stack
Jonathan Waldron	Jeffrey Sullivan
Joseph Agner	Steve Thomas
John Baird	Jeffrey Vandervort
Jefferson Baker	James Royalty
Michael Bealer	Paul Schmidt
Bart Belcher	Christopher Stack
Jacob Black	Jeffrey Sullivan
Joseph Dalora	Steve Thomas
George Edwards	Jeffrey Vandervort
Jody Fite	Robert Wallace
Justin Gay	Charles Ward
Michael Golluscio	Michael Watson
Kelan Hammond	David Wheeldon

INSPECTIONS PERFORMED & WHO PERFORMED TEST

CH2M Hill's SUXOS, UXOQC and Site Safety conducted site-specific training with all newly mobilized personnel. All personnel were briefed and familiarized with the Work Plan, the APP, AHAs and MEC SOPs. Additional meetings will occur as needed, as new personnel, visitors, and/or subcontractors arrive at the site.



11-04-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>11-4-13</u>		
Supervisor: <u>C. Rose / J. Walden</u>		Job
Activity: <u>Veg Clearance + removal</u>		
Attendees: <u>See Attachment</u>		Sign Name
List Tasks and verify that applicable AHAs have been reviewed:		
<u>AHAs for Veg removal and Surface Reduction, Bobcat operations</u> <u>Start clearing brush in Area 10 + Area 18 D</u> <u>Site Familiarization and Prep</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand tools, Power tools, Gas powered brush cutters, Bobcat</u> <u>w/ brush hog, UTV - Argo</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input checked="" type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input checked="" type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input checked="" type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXO - MEC potential</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input checked="" type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): Joseph Walden
 Signature: [Signature]

Date: 11-4-13

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet

Today's Date: 4 Nov 2013

Name (printed)	Signature	Company
MICHAEL MALIKO	<i>Michael Maliko</i>	CH2M HILL
RICK ROGALINER	<i>Rick Rogaliner</i>	USAE
Paul Schmidt	<i>Paul Schmidt</i>	USAE
George Edwards	<i>George Edwards</i>	USAE
SCOTT BAKER	<i>Scott Baker</i>	USAE
Rick Mayer	<i>Rick Mayer</i>	USAE
Jake Black	<i>Jake Black</i>	USAE
JEFFREY VANDERVOORT	<i>Jeffrey VanderVoort</i>	USAE
Charles M. Ward	<i>Charles M. Ward</i>	USAE
Joseph Agner	<i>Joseph Agner</i>	USAE
STEVE THOMAS	<i>Steve Thomas</i>	USAE
KELAN HAMMOND	<i>Kelan Hammond</i>	USAE
Tom EGBERT	<i>Tom Egbert</i>	USAE
Michael Golluscio	<i>Michael Golluscio</i>	USAE
Jody Fite	<i>Jody Fite</i>	USAE
Christopher Stack	<i>Christopher Stack</i>	USAE
Jason McLoig	<i>Jason McLoig</i>	USAE
John Baird	<i>John Baird</i>	USAE
Wayne Manthey	<i>Wayne Manthey</i>	USAE
BART BELCHER	<i>Bart Belcher</i>	USAE
Jeff Sullivan	<i>Jeff Sullivan</i>	USAE
Angelo Palverento	<i>Angelo Palverento</i>	USAE
James Royce	<i>James Royce</i>	USAE
JOSEPH LALORA	<i>Joseph Lalora</i>	USAE
Justin Gray	<i>Justin Gray</i>	USAE
Robin Morgan	<i>Robin Morgan</i>	USAE
Robert Wallace	<i>Robert Wallace</i>	USAE
Jim MARSHALL	<i>Jim Marshall</i>	CH2M HILL
MIKE BEALER	<i>Mike Bealer</i>	USAE
W. W. Gildon	<i>W. W. Gildon</i>	CH2M HILL
Chris Rose	<i>Chris Rose</i>	CH2M HILL



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 4 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

All USAE Personnel received in briefing conducted by CH2MHILL site personnel, Received through FEDEX all shipped equipment, received all scheduled rental equipment, conducted site re-con of work area, prepared equipment for operations on Tuesday Morning. Conducted local procurement of required supplies and equipment.

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	0	10
TEC III Roglainer, Richard		0	8
TEC III Schmidt, Paul		0	8
TEC III Wallace, Robert		0	8
TEC III Dalora, Joseph		0	8
TEC III Egbert, Robert		0	8
TEC II Bealer, Michael		0	8
TEC II Manthey, Wayne		0	8
TEC II Royalty, James		0	8
TEC II Moyer, Richard		0	8
TEC II Morgan, Robin		0	8
TEC I Belcher, Bart		0	8
TEC I Vandervort, Jeffery		0	8
TEC I McCoig		0	8
TEC 1 Fite, Jody		0	8
TEC 1 Gay, Justin		0	8
TEC 1 Black, Jacob		0	8
TEC 1 Stack, Christopher		0	8
TEC I Hammond, Kelen		0	8
TEC I Baird, John		0	8
TEC I Palverento, Angelo		0	8
TEC 1 Gollusico, Michael		0	8
TEC 1 Sullivan, Jeffery		0	8
TEC I Ward, Charles		0	8
TEC I Baker, Jefferson		0	8
TEC I Agner, Joseph		0	8
TEC I Thomas, Steve		0	8

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Rental Van			
Rental Van			
Rental Van			
Crew Cab Pick Up			
Extended Cab Pick Up			
Open Trailer			
Open Traler			
Utility Vehicle			
Utility Vehicle			
Skid Steer with Cutter Head			
Conex Storage Container (2)			
COMMENTS (Issues, Action Items, Notifications ect.):			
None			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		012	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/5/13	
REVISION NUMBER:		1		REVISION DATE:		10/30/13	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Cold, clear and sunny	PM WEATHER:	Cool, warming, clear, chance of evening rain	MAX TEMP (F):	63	MIN TEMP (F):	46
SUMMARY OF WORK PERFORMED TODAY							
USA Environmental begins vegetation clearing in DSA 2 and Area 18D. Scout land in Area 12 southern portion to determine accessibility.							
HEALTH AND SAFETY REPORT							
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections completed on generator, vehicles and support equipment. Inspections on USA Environmental certificates, H&S equipment and PPE. USA does not have approved fuel cans and were told to get EM385 approved fuel cans for fueling field equipment.							
TAILGATE TOPICS: Site mobilization, review HASP, PTSP, Site layout, and rules, roles and expectations for site operations for 11 new USA Environmental crew that arrived on site. Review PPE requirements on site, safe working distances from brush cutting, housekeeping, No Smoking in field, fire extinguisher with field teams in field.							
SAFE BEHAVIOR OBSERVATIONS: None for today							
OPERATIONS / PRODUCTION REPORT							
WORK FORCE – CONTRACTOR AND SUBCONTRACTOR							
Company		Cumulative Total of Work Hours From Previous Report		Total Hours Today on site			
CH2M HILL		See attached		45			
See Attached for Subcontractor operations and production report							
EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
ARGO (NAEVA)		ARGO				CH2M HILL	
Job Trailer		ModSpace 10'x44'		291159		CH2M HILL	
Generator		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400				CH2M HILL	
Metal detector		Schonsted				CH2M HILL	
GPS Equipment		Trimbel Geo XH 6000				CH2M HILL	
Bob Cat UTV		Bob Cat 3400		31455		CH2M HILL	
Double axel trailer for UTV		Sunbelt rentals/Dumper		186970		CH2M HILL	
Trailer for Argo (NAEVA)		Leonard		660		CH2M HILL	


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: HASP briefing, site familiarization, prep and staging.				
Planned Work / Test for Tomorrow: Veg. clearance / reduction				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): AHA missing for USA Environmental mechanical brush cutting using Bobcat and Forestry Head. Equipment will not be used until AHA is approved.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Missing AHA for brush cutting with mechanical forestry head.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/5/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/05/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 012	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cold		MAX TEMP: 36 °F	
				MIN TEMP: 54 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction operations were started. Area 18D, EPA property, vegetation reduction completed. Approximately 45% of DSA2 vegetation reduction was completed. Transects completed in DSA2: 2, 4, 5, 6 and 7.					
Andy Gascho, project geophysicist arrived on site.					
Weekly QC call conducted.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	
				Cumulative Total of Work Hours From Previous Report	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Car		Ford Fusion	GGN 3892	Andy Gascho	1ea
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	8	0	
Trailer	Leonard	Mike Malko	8	0	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 2500	Jonathan Waldron	9	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0	
SUV	Ford Edge	Chris Rose	9	0	
SUV	Ford Edge	Jim Marshall	9	0	
Car	Ford Fusion	Andy Gascho	9	0	
Office Trailer	ModSpace	Jonathan Waldron	9	0	
Generator	Ingersol Rand	Jonathan Waldron	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Utility Vehicle	Bobcat	Jonathan Waldron	8	0	
Trailer	EZDumper	Jonathan Waldron	8	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): USAE has not provided an AHA for their mechanical brush cutter. The cutter will not be used until an AHA has been provided.					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/04/2013

LOCATION OF WORK: DSA #3, Area 12 Site Trailer (EPA Compound)

DESCRIPTION OF WORK: Mobilization and Site Setup, Transect layout and marking

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 36 °F MAX: 46 °F

1. Work completed today by subcontractor:

CH2M Hill's subcontractor, USAE, completed the vegetation removal from Area 18D and
began vegetation removal from DSA #2,

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Mobilization and Site Setup (Surface Clearance Crews)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

Vegetation removal subcontractor does not have an approved AHA for mechanical vegetation
removal. Subcontractor will provide an AHA for this activity prior to any mechanized vegetation
removal.

5. Comments:

.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-04-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Mobilization and site setup. (Surface Clearance Team)	
Charles Rose	
Mike Malko	
Jim Marshall	
Jonathan Waldron	
Matthew Farrell	
Earl R Vance	
Chris Bernard	
Richard Cobel	
Dee Clark	
Jesse Norman	
Kenneth Brown	
Kevin Massey	
Phil Matter	
Mike Watson	
David Wheeldon	

INSPECTIONS PERFORMED & WHO PERFORMED TEST

CH2M Hill's SUXOS, UXOQC and Site Safety conducted site-specific training with all newly mobilized personnel. All personnel were briefed and familiarized with the Work Plan, the APP, AHAs and MEC SOPs. Additional meetings will occur as needed, as new personnel, visitors, and/or subcontractors arrive at the site.



Project QC Specialist

11-05-2013

Date



-4: PRE-TASK SAFETY PLAN

Project: <u>RARITAN ARSENAL</u> Location: <u>RARITAN NJ</u>		Date: <u>11/5/13</u>
Supervisor: <u>CHRIS ROSE</u>		Job Activity: <u>Veg reduction / Clearing</u>
Task Personnel:		
<u>See Attached Sheets</u>		
List Tasks: <u>TRANSECT LAYOUT, BRUSH REMOVAL (BRUSH SAWS, CHAINSAWS)</u> <u>ARGO / BOBLAT</u>		
Tools/Equipment required for Tasks, (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools, hand tools): <u>Veg Removal Equipment (CHAINSAW / BRUSH SAWS)</u> <u>ARGO / BOBLAT</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (Check all that apply and review exposures as they will be encountered in the tasks above):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6'	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat stress
Noise	Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
Other Potential Hazards (Describe): <u>WEATHER HIGH 55°F CLOUDY</u>		

CH2MHILL**F-4: PRE-TASK SAFETY PLAN**

Hazard Control Measures (Check all that apply):

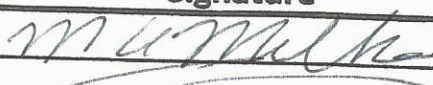

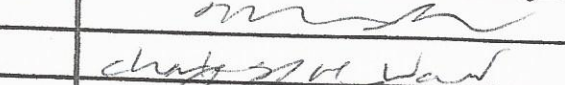

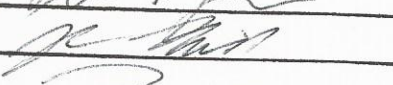

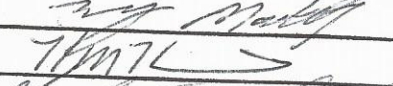

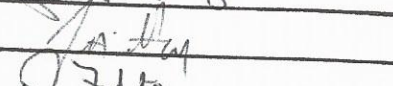
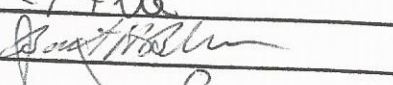
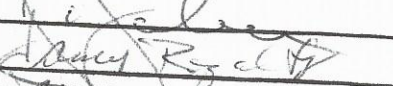

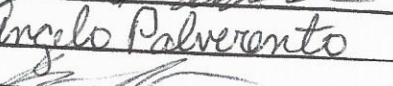
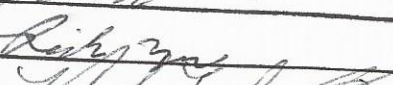



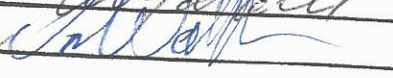



PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input checked="" type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds Forklift/ Heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane w/current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections:	Training: <input checked="" type="checkbox"/> Hazwaste <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific (THA) <input checked="" type="checkbox"/> Hazcom

Field Notes:

Supervisor signature: 

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet

Today's Date: 11-5-13

Name (printed)	Signature	Company
MA MALLO		CH2MITILL
STEVE THOMAS		USAE
JEFF VANDERBILT		CISAE
Michael Gelluscio		USAE
Charles M. Ward		USAE
Jeff Sullivan		USAE
Rubin Morgan		USAE
John Baird		USAE
Jason McCoy		USAE
Jim Egbert		USAE
Wayne Manthey		USAE
KELAN HAMMOND		USAE
CHRISTOPHER STACK		USAE
JOE AGER		USAE
Justin Gail		USAE
Jody Fife		USAE
BRIAN Bekker		USAE
Joe DiGiovanna		USAE
JAMES ROYCE		USAE
MIKE BEALER		USAE
Robert Wallace		USAE
Angelo Palverento		USAE
Jake Black		USAE
Rick Meyer		USAE
Paul Schmidt		USAE
Scott BAKER		USAE
KEK KOCALINER		USAE
Edwards George		USAE
Chris Rose		USAE
Jim MARSHALL		CH2M
Jonathan Walden		CH2M

F-145



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 002	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 5 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Completed in processing of 12 Additional personnel (Work Plan and AHA Review)
 Completed Brush Removal Clear Cut 100 % of Area 18
 Completed Approximately 50 % of Area 2
 All operations today were completed by Hand grubbing with weed eaters and chain saws

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	10	10
TEC III Roglainer, Richard		8	8
TEC III Schmidt, Paul		8	8
TEC III Wallace, Robert		8	8
TEC III Dalora, Joseph		8	8
TEC III Egbert, Robert		8	8
TEC II Bealer, Michael		8	8
TEC II Manthey, Wayne		8	8
TEC II Royalty, James		8	8
TEC II Moyer, Richard		8	8
TEC II Morgan, Robin		8	8
TEC I Belcher, Bart		8	8
TEC I Vandervort, Jeffery		8	8
TEC I McCoig		8	8
TEC 1 Fite, Jody		8	8
TEC 1 Gay, Justin		8	8
TEC 1 Black, Jacob		8	8
TEC 1 Stack, Christopher		8	8
TEC I Hammond, Kelen		8	8
TEC I Baird, John		8	8
TEC I Palverento, Angelo		8	8
TEC 1 Gollusico, Michael		8	8
TEC 1 Sullivan, Jeffery		8	8
TEC I Ward, Charles		8	8
TEC I Baker, Jefferson		8	8
TEC I Agner, Joseph		8	8
TEC I Thomas, Steve		8	8
TEC III Ferrell, Matthew		0	8

APPENDIX F - DAILY REPORTS

TEC III Matter, Phillip		0	8
TEC II Vance, Earl		0	8
TEC II Capano, John	OUT SICK	0	0
TEC II Brown, Kenneth		0	8
TEC II Coble, Richard		0	8
TEC II Massey, Kevin		0	8
TEC II Watson, Michael		0	8
TEC II Bernard, Christopher		0	8
TEC II Clark, Denise		0	8
TEC II Wheeldon, David		0	8
TEC II Norman, Jesse		0	8

EQUIPMENT ON HAND

[illegible]

COMMENTS (Issues, Action Items, Notifications ect.):

Have not received an approved AHA on Mechanical Cutting with Bob Cat all work was done manually today
Requested approval for the rental of a "Deck Style Cutter Attachment" for use on the Bob Cat Skid Steer. Based on the terrain and type of vegetation a cutter deck will prove more useful in 80% of the work area and may increase production once an AHA is approved.



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		013	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/6/13	
REVISION NUMBER:		1		REVISION DATE:		10/30/13	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Cold, partly cloudy	PM WEATHER:	Cool, warming, partly cloudy	MAX TEMP (F):	62	MIN TEMP (F):	47
SUMMARY OF WORK PERFORMED TODAY							
USA Environmental continues vegetation clearing in DSA 2 and starts work in Area 10. AHA for Forestry Cutter approved from USA Environmental. NAEVA arrives onsite and prepares boat for aquatic DGM to start on 11-7-13.							
HEALTH AND SAFETY REPORT							
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections completed on generator, vehicles and support equipment. Inspections on USA Environmental certificates, H&S equipment and PPE. USA purchased EM 385 approved fuel cans							
TAILGATE TOPICS: Slips, trips and falls, face shields and hearing protection when operating brush cutting tools and chain saws in addition to chaps and Level D PPE. 300' safe operation distance for mechanical forestry cutter head operations.							
SAFE BEHAVIOR OBSERVATIONS: None for today							
OPERATIONS / PRODUCTION REPORT							
WORK FORCE – CONTRACTOR AND SUBCONTRACTOR							
Company		Cumulative Total of Work Hours From Previous Report		Total Hours Today on site			
CH2M HILL		See attached		47			
See Attached for Subcontractor operations and production report							
EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
ARGO (NAEVA)		ARGO				CH2M HILL	
Job Trailer		ModSpace 10'x44'		291159		CH2M HILL	
Generator		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400				CH2M HILL	
Metal detector		Schonsted				CH2M HILL	
GPS Equipment		Trimbel Geo XH 6000				CH2M HILL	
Bob Cat UTV		Bob Cat 3400		31455		CH2M HILL	
Double axel trailer for UTV		Sunbelt rentals/Dumper		186970		CH2M HILL	
Trailer for Argo (NAEVA)		Leonard		660		CH2M HILL	
COMMENTS (acceptance status, inspection findings, etc.): None							


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Veg. clearing in Area 10 and DSA 2.				
Planned Work / Test for Tomorrow: Veg. clearance / reduction, Aquatic DGM				
Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delays in schedule related to USA Environmental daily production / veg. clearance rates. Equipment onsite not adequate or capable of faster paced veg. clearing.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
				No. of Drums	NA
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): See attached.					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental and NAEVA					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				11/6/13	
				PREPARER'S SIGNATURE	
				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)			DATE OF REPORT: 11/06/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS			REPORT NO: 013	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller		UXOQCS: Mike Malko
AM WEATHER: Partly cloudy/ cold		PM WEATHER: Partly cloudy / mild		MAX TEMP: 62 °F		MIN TEMP: 42 °F
SUMMARY OF WORK PERFORMED TODAY						
Vegetation reduction operations continued. Approximately 80% of DSA2 vegetation reduction was completed. Transects completed in DSA2: 1 and 8. Approximately 30% of vegetation reduction was completed in Area 10.						
The NAEVA boat crew completed set up of the side scan equipment and will be ready to put into the water tomorrow.						
The survey of transects has been pushed back to Monday, 11 November and terrestrial DGM to Thursday, 14 November. These task were pushed back due to the longer than anticipated time to complete vegetation reduction.						
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours		47
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours		348
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date		395
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>		1000
			Total Work Hours From Start of Construction		1395	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections						
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB						
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT	
EQUIPMENT USED ON JOB SITE TODAY.						
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS			
			USED	IDLE	REPAIR	
GPS	Trimble Geo XH	Chris Rose	9	0		
Utility Vehicle	Argo	Mike Malko	9	0		
Trailer	Leonard	Mike Malko	9	0		
GPS	Trimble Geo XH	Mike Malko	9	0		
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	9	0		
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0		
SUV	Ford Edge	Chris Rose	9	0		
SUV	Ford Edge	Jim Marshall	9	0		
Car	Ford Fusion	Andy Gascho	9	0		
Office Trailer	ModSpace	Jonathan Waldron	9	0		
Generator	Ingersol Rand	Jonathan Waldron	9	0		
Portable toilet	Satellite Industries	Chris Rose	9	0		
Portable toilet	Satellite Industries	Chris Rose	9	0		
Utility Vehicle	Bobcat	Jonathan Waldron	9	0		
Trailer	EZDumper	Jonathan Waldron	9	0		
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Vegetation reduction is taking longer than anticipated by USAE. The result of this delay is that both land surveying and DGM has been pushed back. Surveying is now scheduled to resume on 11 November and DGM on 14 November						
VISITORS TO THE SITE:						
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):						

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/06/2013

LOCATION OF WORK: DSA #3, Area 12 Site Trailer (EPA Compound)

DESCRIPTION OF WORK: Mobilization and Site Setup, Transect layout and marking

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 39 °F MAX: 51 °F

1. Work completed today by subcontractor:

CH2M Hill's subcontractor, USAE, continued the vegetation removal from DSA #2 and
began vegetation removal from Area 10.,

2. Work completed today by QC inspection staff :

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.

Blind Seeds were placed in Area 18D and DSA #2 in preparation of the Surface Clearance.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

.Vegetation removal is progressing at a rate slower than expected. Multiple equipment failures,
and the use of hand tools vice a mechanized approach will delay the operation.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist



-4: PRE-TASK SAFETY PLAN

Project: <u>RARITAN ARSENAL</u> Location: <u>RARITAN NJ</u> Date: <u>11-6-13</u>	
Supervisor: <u>CHRIS ROSE</u> Job Activity: _____	
Task Personnel:	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
List Tasks: <u>MANUAL VEGETATION REMOVAL</u> <u>NAEVA MOB IN</u>	
Tools/Equipment required for Tasks, (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools, hand tools): <u>CHAIN / BRUSH SAWS</u>	

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (Check all that apply and review exposures as they will be encountered in the tasks above):	
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills
<input type="checkbox"/> Heights/fall > 6'	<input type="checkbox"/> Overhead Electrical hazards
Noise	Elevated loads
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting
	<input type="checkbox"/> Demolition
Other Potential Hazards (Describe):	
<u>WEATHER PARTLY CLOUDY, WIND 5MPH, HIGH 64°F</u>	

CH2MHILL**F-4: PRE-TASK SAFETY PLAN**

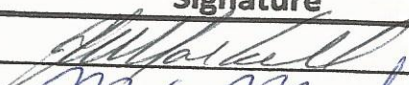
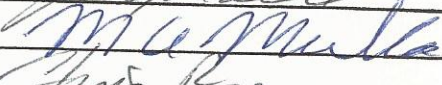
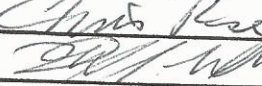


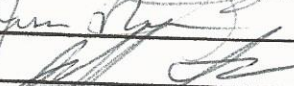

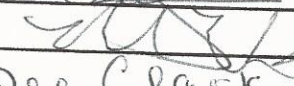
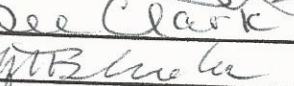
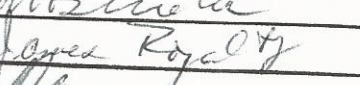


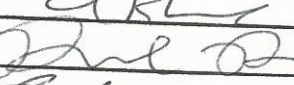
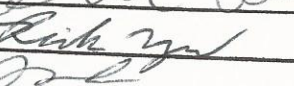

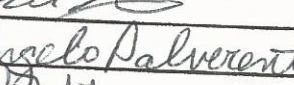
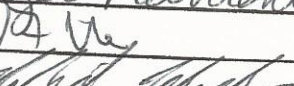
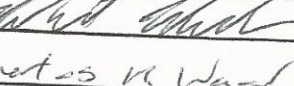
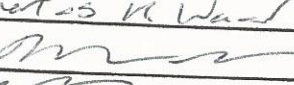
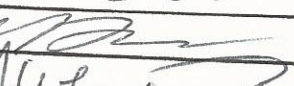


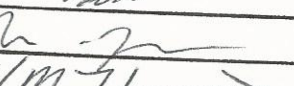


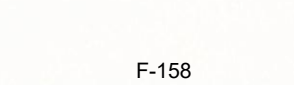
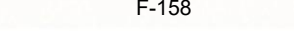




Hazard Control Measures (Check all that apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input checked="" type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/ Heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane w/current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections:	Training: <input checked="" type="checkbox"/> Hazwaste <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific (THA) <input type="checkbox"/> Hazcom
Field Notes:			

Supervisor signature:

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet

Today's Date: 11-06-13

Name (printed)	Signature	Company
Jim Marshall		CH2M
M A MALKO		CH2M HILL
Chris Rose		CH2M HILL
David Wheelan		USAE
STEVE THOMAS		USAE
Mike Watson		USAE
Jesse Norme		USAE
Teff Sullivan		USAE
Rick ROBALINE		USAE
Paul Schmidt		USAE
Dee Clark		USAE
MIKE BEALER		USAE
James Royalty		USAE
John Caporo		USAE
Scott Baker		USAE
Earl R Vance		USAE
Brown, Kenneth		USAE
Rick Meyer		USAE
Joseph Asner		USAE
Phil Matter		USAE
Angelo Palverento III		USAE
Jody Fite		USAE
Robert Wallace		USAE
Charles M. Ward		USAE
Michael Golluscio		USAE
Matt Ferrell		USAE
EDWARDS, BW		USAE
CHLIS BERNARD		USAE
John Baird		USAE
Robin Morgan		USAE
KELAN HAMMOND		USAE

Today's Date: 11-6-13

CONTRACT: W912DY-09-D-0060 / TO: 003
MAY 2021



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 6 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Completed Brush Removal Clear Cut 30 % of Area 10
 Completed Approximately 30 % of Area 80 % Total to date
 Received approval (AHA) 1215 hrs to use Bob Cat Cutter
 Requested additional bob cat with mower style deck
 Requested additional days to complete operations, I want to keep as a min 3 Brush crews next week

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	20	10
TEC III Roglainer, Richard		16	8
TEC III Schmidt, Paul		16	8
TEC III Wallace, Robert		16	8
TEC III Dalora, Joseph		16	8
TEC III Egbert, Robert		16	8
TEC II Bealer, Michael		16	8
TEC II Manthey, Wayne		16	8
TEC II Royalty, James		16	8
TEC II Moyer, Richard		16	8
TEC II Morgan, Robin		16	8
TEC I Belcher, Bart		16	8
TEC I Vandervort, Jeffery		16	8
TEC I McCoig		16	8
TEC 1 Fite, Jody		16	8
TEC 1 Gay, Justin		16	8
TEC 1 Black, Jacob		16	8
TEC 1 Stack, Christopher		16	8
TEC I Hammond, Kelen		16	8
TEC I Baird, John		16	8
TEC I Palverento, Angelo		16	8
TEC 1 Gollusico, Michael		16	8
TEC 1 Sullivan, Jeffery		16	8
TEC I Ward, Charles		16	8
TEC I Baker, Jefferson		16	8
TEC I Agner, Joseph		16	8
TEC I Thomas, Steve		16	8
TEC III Ferrell, Matthew		8	8

APPENDIX F - DAILY REPORTS

[illegible]

COMMENTS (Issues, Action Items, Notifications ect.):

Equipment (Bob Cat with Mower Deck has been requested through PM

Inform USAE PM that I need to keep at a min 3 brush teams next week in addition to the sweep teams

Brush mat of approx 24 – 30 inches in areas of area 2. The additional effort to remove/cut is hampering our operations.

CONTRACT NAME:		REPORT NO:	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	06 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

0700-0900: EQUIPMENT ORGANIZATION AND UNLOADING
0900-1000: SITE ORIENTATION, SAFETY PLAN AND AHA'S, LOCATE TRAILERS/
VEHICLE STORAGE AND POWER POINTS
1000-1030: LOCATE BASE MONUMENTS
1030-1130: LOCATE AND PURCHASE BOAT RAMP ACCESS POINT.
1200-1700: PREPARE BOAT FOR SIDESCAN SURVEY. ESTABLISH AND QC
CONTROL POINTS.
1700: END OF DAY

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	10	10
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	10	10
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	10	10
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	10	10

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
COMMENTS (Issues, Action Items, Notifications ect.):			

COMMENTS (Issues, Action Items, Notifications ect.):



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		014			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/7/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Mild, partly cloudy		PM WEATHER:	Mild, Overcast, Afternoon Rain.		MAX TEMP (F):	60	MIN TEMP (F):	37

SUMMARY OF WORK PERFORMED TODAY

USA Environmental continues vegetation clearing in DSA 2 and starts work in DSA 1.
NAEVA launches boat for aquatic DGM and side scanning sonar in Area 12 and 13 aquatic.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections completed on generator, vehicles and support equipment. SBO on vegetation reduction

TAILGATE TOPICS: Equipment operations in wet weather, slips, trips and falls, safe operating distances from veg. reduction equipment, housekeeping, spill kits and clean up procedures.

SAFE BEHAVIOR OBSERVATIONS: Vegetation reduction

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	48	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA)	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None

APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Veg. clearing in DSA 2, DSA 1, and Aquatic DGM in Area 12 and 13				
Planned Work / Test for Tomorrow: Veg. clearance / reduction, Aquatic DGM				
Planned Work / Test for Next Week: Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delays in schedule related to USA Environmental daily production / veg. clearance rates. Equipment onsite not adequate or capable of faster paced veg. clearing.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
				No. of Drums	NA
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): NAEVA terrestrial and VARGO land surveyors pushed back due to poor production rates from USA Environmental and their vegetation reduction teams.					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental and NAEVA.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				11/7/13	
				PREPARER'S SIGNATURE	
				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/07/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 014	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Cloudy, rain / mild		PM WEATHER: Cloudy, rain / mild		MAX TEMP: 66 °F	
				MIN TEMP: 60 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction operations continued. Approximately 90% of DSA2 vegetation reduction was completed. Transects completed in DSA2: 1 and 8. Approximately 20% of DSA1 vegetation reduction was completed. in Area 10. Transects completed in DSA1: 1 Transect surface sweep started in Area 18D and DSA2. The NAEVA boat crew completed side scan sonar operations. An evening public meeting was held at the Sayreville, NJ Borough Hall.					
JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	48
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	336
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	384
				<i>Cumulative Total of Work Hours From Previous Report</i>	1395
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	1779
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	8	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	8	0	
SUV	Ford Edge	Chris Rose	8	0	
SUV	Ford Edge	Jim Marshall	8	0	
Car	Ford Fusion	Andy Gascho	8	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	8	0	
Trailer	EZDumper	Jonathan Waldron	8	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE: Debbie Edwards, geophysicist, USACE-H					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/07/2013

LOCATION OF WORK: DSA #1, DSA #2 Area 18 D, Area 10

DESCRIPTION OF WORK: Transect layout and marking
Surface Clearance

WEATHER: ☐ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 36 °F MAX: 60 °F

1. Work completed today by subcontractor:

CH2M Hill's subcontractor, USAE, continued the vegetation removal from DSA #2, Area 10 and
began vegetation removal from DSA #1,

Surface Clearance of Area 18 D was completed and is awaiting final QC check.

Surface Clearance of DSA #2 is in progress.

All blind seeds were recovered in the surface clearance area and returned to the UXOQC.

2. Work completed today by QC inspection staff :

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain: _____

4. Non-conformances/deficiencies reported: _____

None

5. Comments: _____

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

INITIAL PHASE INSPECTION CHECKLIST

Project: RI/FS Former Raritan Arsenal Date: 11/07/2013Title and No. of SSWP Section: **3.8.6 Instrument-aided Surface Clearance**Description and Location of Work Inspected: Subcontractor USAE was briefed on the SSWP ESS and SOP for Surface Clearance.

A. Key Personnel Present:

<u>Name</u>	<u>Position</u>	<u>Company</u>
Michael A Malko	UXOQC	CH2M Hill
Matthew Farrell	UXO Tech	USAE
Earl R Vance	UXO Tech	USAE
Chris Bernard	UXO Tech	USAE
Richard Cobel	UXO Tech	USAE
Dee Clark	UXO Tech	USAE
Jesse Norman	UXO Tech	USAE
Kenneth Brown	UXO Tech	USAE
Kevin Massey	UXO Tech	USAE
Phil Matter	UXO Tech	USAE
Mike Watson	UXO Tech	USAE

B. Materials being used are in strict compliance with the contract plans and specifications: ☒ Yes ☐ No

If not, explain: _____

All magnetometers were tested and found to be operational.C. Procedures and/or work methods witnessed are in strict compliance with the contract specifications: ☒ Yes ☐ No

If not, explain: _____

D. Workmanship is acceptable: ☒ Yes ☐ No

State where improvement is needed: _____

E. Workmanship is free of safety violations: ☒ Yes ☐ No

If no, corrective action taken: _____



MICHAEL A MALKO

Project Quality Control Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-04-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance	
Charles Rose	
Mike Malko	
Jim Marshall	
Jonathan Waldron	
Matthew Farrell	
Earl R Vance	
Chris Bernard	
Richard Cobel	
Dee Clark	
Jesse Norman	
Kenneth Brown	
Kevin Massey	
Phil Matter	
Mike Watson	

INSPECTIONS PERFORMED & WHO PERFORMED TEST

All personnel were briefed and familiarized with the Work Plan, the APP, AHAs and MEC SOPs. CH2M Hill's UXOQC randomly selected placement of blind seeds such that each member of sweep team should (on average) encounter minimum of one QC seed per day. UXOQC will conduct process and procedure integrity checks during sweep operations, at least once per day,



11-07-2013

Project QC Specialist

Date

-4: PRE-TASK SAFETY PLAN

Project: <u>RARITAN ARSENAL</u> Location: _____		Date: <u>11-7-13</u>
Supervisor: <u>CHRIS ROSE</u>		Job Activity: _____
Task Personnel: _____ _____ _____ _____ _____ _____ _____		
List Tasks: <u>MANUAL/MECH Veg Removal</u> <u>BOATING OPERATIONS</u>		
Tools/Equipment required for Tasks, (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools, hand tools): <u>SKID STEER w/CUTTER HEAD, CHAIN/BRUSHES</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (Check all that apply and review exposures as they will be encountered in the tasks above):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6'	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
Other Potential Hazards (Describe): <u>HIGH 62, 80% chance showers, wind 7mph gusts.</u>		

CH2MHILL**F-4: PRE-TASK SAFETY PLAN**

Hazard Control Measures (Check all that apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/ Heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane w/current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections:	Training: <input checked="" type="checkbox"/> Hazwaste <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific (THA) <input type="checkbox"/> Hazcom
Field Notes:			

Supervisor signature:

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project.

RARITAN ARSENAL

Date:

11-7-13


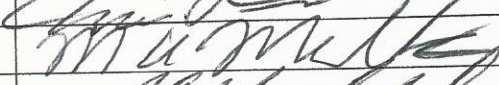
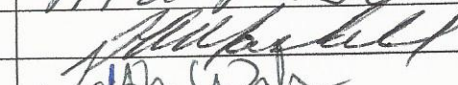
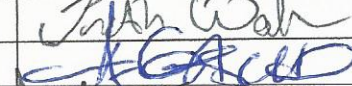
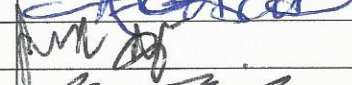
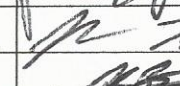

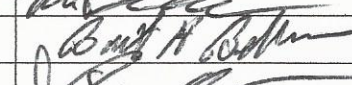

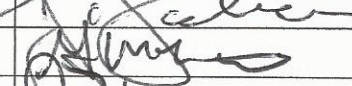
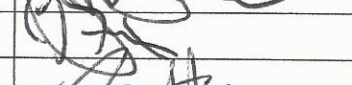
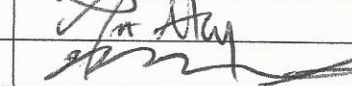
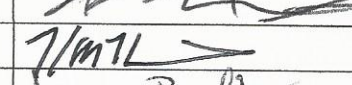
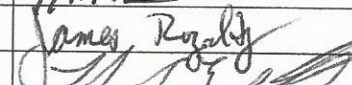
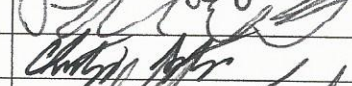


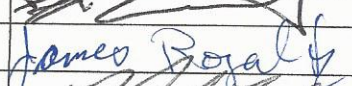



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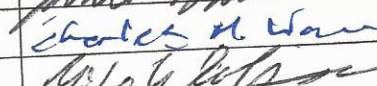
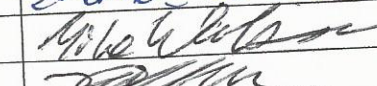

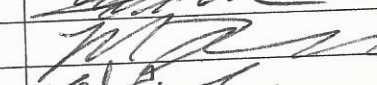
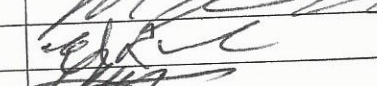
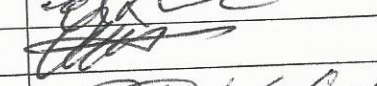
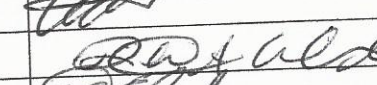
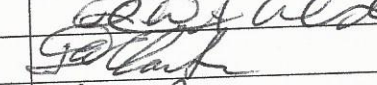
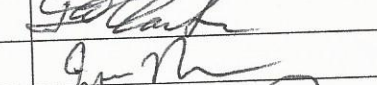
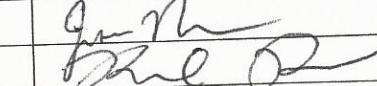
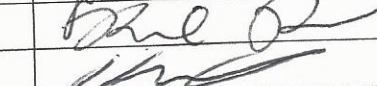
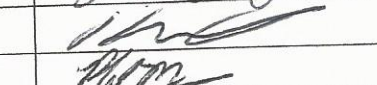


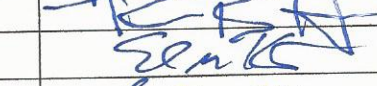
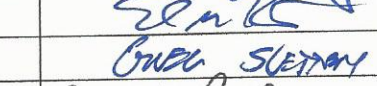

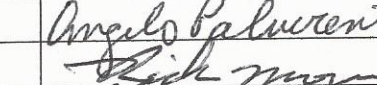
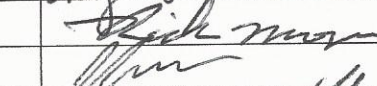
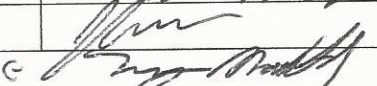
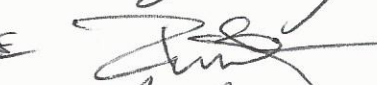



1. weather
2. Slips trips & falls
3. Heavy equipment
4. PPE
5. Booting off
- 6.
- 7.

MEETING CONDUCTED BY: J. MARSHALL

SIGNATURE:

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Jacob Black USAE	
12. Joseph Dalora USAE	
13. George Edwards USAE	
14. Jody Fite USAE	
15. Justin Gay USAE	
16. Michael Golluscio USAE	
17. Kelan Hammond USAE	
18. James Royalty USAE	
19. Paul Schmidt USAE	
20. Christopher Stack USAE	
21. Jeffrey Sullivan USAE	
22. Steve Thomas USAE	
23. Jeffrey Vandervort USAE	
24. James Royalty USAE	
25. Paul Schmidt USAE	

MEETING ATTENDEES		Signature
Name/Company		
26. Jeffrey Sullivan USAE		
27. Steve Thomas USAE		
28. Jeffrey Vandervort USAE		
29. Robert Wallace USAE		
30. Charles Ward USAE		
31. Michael Watson USAE		
32. David Wheeldon USAE		
33. Matthew Farrell USAE		
34. Earl R Vance USAE		
35. Chris Bernard USAE		
36. Richard Cobel USAE COBLE		
37. Dee Clark USAE		
38. Jesse Norman USAE		
39. Kenneth Brown USAE		
40. Kevin Massey USAE		
41. Phil Matter USAE		
42. Ben Dameron NAEVA		
43. Jesse Powers NAEVA		
44. Peter Jump NAEVA		
45. Brian Herridge 3Dgeophysics		
46. Erik Kitt 3Dgeophysics		
47. Greg Sletten 3Dgeophysics		
48. Angelo Palverento III		
49. Rick Meyer USAE		
50. John Capano USAE		
Wayne Manthey USAC		
Rick ROBALINEE USAE		
Robin Morgan USAE		
Jon Egbert USAE		
Jason McCall USAE		

CH2MHILL**F-3: SAFE BEHAVIOR OBSERVATION FORM**

Safe Behavior Observation Form			
<input checked="" type="checkbox"/> Federal or <input type="checkbox"/> Commercial Sector (check one)		<input type="checkbox"/> Construction or <input checked="" type="checkbox"/> Consulting (check one)	
Project Number: 427946		Client/Program: USACE	
Project Name: Former Porton Arsenal		Observer: J. Waldron	Date: 11-7-13
Position/Title of worker observed: USA. Environmental Veg. Reduction Crew		Background Information/comments: Brush Clearing / Trsects	
Task/Observation Observed: Vegetation removal + Reduction			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Practices: Safe Pace, Good communication, Proper use of PPE
Properly trained/qualified/experienced	X		
Tools/equipment available and adequate		X	
Proper use of tools	X		Questionable Activity/Unsafe Condition Observed: Tools for brush not Adequate enough for task. using hand tools to clear trsects. After
Barricades/work zone control	X		
Housekeeping	X		
Communication	X		
Work Approach/Habits	X		
Attitude	X		
Focus/attentiveness	X		Observer's Corrective Actions/Comments: Suggest Alternative tools + equipment to expedite work and speed process
Pace	X		
Uncomfortable/unsafe position	X		
Inconvenient/unsafe location	X		
Position/Line of fire	X		
Apparel (hair, loose clothing, jewelry)	X		
Repetitive motion	X		Observed Worker's Corrective Actions/Comments:
Other...			

For ES Federal Sector projects please email completed forms to: CH2M HILL ES FED Safe Behavior Observation
 For ES Commercial Sector projects please email completed forms to: CH2M HILL ES COM Safe Behavior Observation
 For CNR ES staff please email completed forms to: cnrressafe@ch2m.com

Contract: W912DY-09-D-0060
 Task Order # 003



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		015			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/8/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Cold		PM WEATHER:	Partly Cloudy, Cold		MAX TEMP (F):	46	MIN TEMP (F):	42

SUMMARY OF WORK PERFORMED TODAY

Continue with vegetation reduction. Approximately 80% of DSA1 vegetation reduction has been completed. Approximately 65% of Area 10 vegetation reduction has been completed. Mechanical brush cutting was started in DSA2 with the skid steer with the forestry head but moved to DSA1 after becoming stuck. A smaller skid steer with a mower deck was brought to the site and appears to work well but had mechanical problems after about an hour of work and is currently down for repairs. An attempt to find a path to DSA6 aborted when the Argo started to leak crossing large drainage canals and it was feared it might sink.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections completed on generator, vehicles and support equipment. SBO on vegetation reduction on 11-7-13

TAILGATE TOPICS: Complacency, PPE, Slips, trips and falls, boating operations and boater safety/awareness.

SAFE BEHAVIOR OBSERVATIONS: Vegetation reduction 11-7-13

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	42	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA)	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Veg. clearing in DSA 2, DSA 1, and Aquatic DGM in Area 12 and 13				
Planned Work / Test for Tomorrow: Veg. clearance / reduction, Aquatic DGM				
Planned Work / Test for Next Week: Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delays in schedule related to USA Environmental daily production / veg. clearance rates. Equipment onsite not adequate or capable of faster paced veg. clearing. ARGO has leak in hull and is not able to float safely in water. Will not use ARGO in aquatic settings.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): NAEVA terrestrial and VARGO land surveyors pushed back due to poor production rates from USA Environmental and their vegetation reduction teams.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental and NAEVA.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/8/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/08/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 015	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cold		MAX TEMP: 46 °F	
				MIN TEMP: 42 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction operations continued. Approximately 80% of DSA1 vegetation reduction has been completed. Approximately 65% of Area 10 vegetation reduction has been completed. Mechanical brush cutting was started in DSA2 with the skid steer with the Fecon head but moved to DSA1 after becoming stuck. A smaller skid steer with a mower deck was brought to the site and appears to work well but had mechanical problems after about an hour of work and is currently down for repairs. An attempt to find a path to DSA6 aborted when the Argo started to leak crossing large drainage canals and it was feared it might sink. No surface sweeps were conducted today.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	42
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	312
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	354
				<i>Cumulative Total of Work Hours From Previous Report</i>	1779
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	2133
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	3	5	
Trailer	Leonard	Mike Malko	3	5	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	9	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0	
SUV	Ford Edge	Chris Rose	10	0	
SUV	Ford Edge	Jim Marshall	5	0	
Car	Ford Fusion	Andy Gascho	9	0	
Office Trailer	ModSpace	Jonathan Waldron	9	0	
Generator	Ingersol Rand	Jonathan Waldron	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (<i>OSHA report, confined space entry permit, incident reports, etc.</i>):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/08/2013

LOCATION OF WORK: DSA #1, DSA #2, Area 10

DESCRIPTION OF WORK: Transect layout and marking
Surface Clearance

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 31 °F MAX: 47 °F

1. Work completed today by subcontractor:

CH2M Hill's subcontractor, USAE, continued the vegetation removal from DSA #2, Area 10 and
DSA #1,

2. Work completed today by QC inspection staff :

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

Multiple equipment malfunctions caused extended work delays.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RARITAN ARSENAL</u>		Location: <u>EDISON NJ</u>
Date: <u>11/8/13</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: _____		
Attendees:	Print Name	Sign Name
<u>SEE ATTACHMENT</u>		
List Tasks and verify that applicable AHAs have been reviewed:		
<u>MECHANICAL/MANUAL BRUSH REMOVAL</u> <u>BOATING OPS (SIDE SCAN)</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>SKID STEER W/ CUTTER HEAD</u> <u>CHAIN/BRUSH SAWS.</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>WEATHER NOW 39°F, clear High 52°F</u> <u>WINDS 5MPH Gusting to 10.</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): J.A. MARSHALL
 Signature: [Signature]

Date: 11-8-13

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project.

RARITAN ARSENAL

Date:

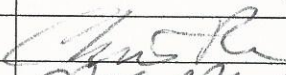





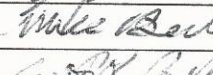

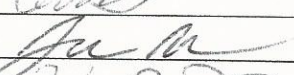
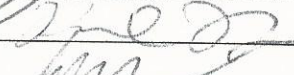
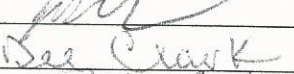
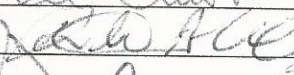




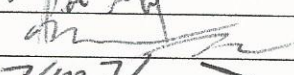

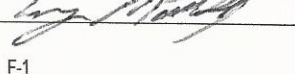


11-8-13

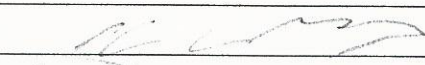


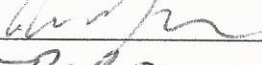

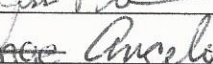
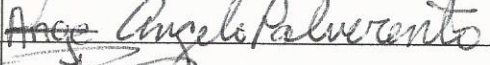
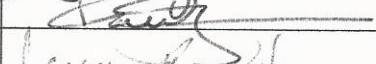

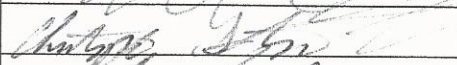

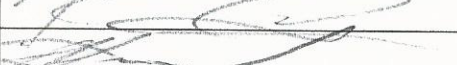




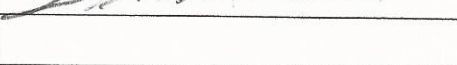
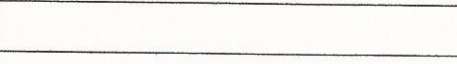
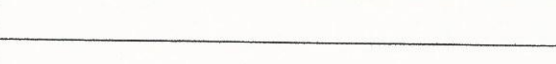
TOPICS DISCUSSED:

1. See ATTACHED PTSP
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

MEETING CONDUCTED BY: J.A. MARSHALL SIGNATURE: 

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	
51.	
52.	
53.	
54.	
55.	
56.	
57.	
58.	



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	03
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	09 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0700-1200: prepare boat for DGM survey, processing of side scan survey data

1200-1700: continue morning activities, equipment charging

1700: end of day

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	30	10
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	30	10
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	30	10
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	30	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 8 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Continued Clearing (Clear Cut) in area 10. As of today approximately 50% Completed
Continued Manual Cutting in Area 1, deployed Bobcat with cutter to work dry areas, received second Bobcat with mower deck and also deployed it in area 1, Bobcat # 2 broke down after 1 hour and was down the rest of the day. Approximately 40% of 2 is complete.

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	40	10
TEC III Roglainer, Richard		32	8
TEC III Schmidt, Paul		32	8
TEC III Wallace, Robert		32	8
TEC III Dalora, Joseph		32	8
TEC III Egbert, Robert		32	8
TEC II Bealer, Michael		32	8
TEC II Manthey, Wayne		32	8
TEC II Royalty, James		32	8
TEC II Moyer, Richard		32	8
TEC II Morgan, Robin		32	8
TEC I Belcher, Bart		32	8
TEC I Vandervort, Jeffery		32	8
TEC I McCoig		32	8
TEC I Fite, Jody		32	8
TEC 1 Gay, Justin		32	8
TEC 1 Black, Jacob		32	8
TEC 1 Stack, Christopher		32	8
TEC I Hammond, Kelen		32	8
TEC I Baird, John		32	8
TEC I Palverento, Angelo		32	8
TEC 1 Gollusico, Michael		32	8
TEC 1 Sullivan, Jeffery		32	8
TEC I Ward, Charles		32	8
TEC I Baker, Jefferson		32	8
TEC I Agner, Joseph		32	8
TEC I Thomas, Steve		32	8
TEC III Ferrell, Matthew		24	8

APPENDIX F - DAILY REPORTS

TEC III Matter, Phillip		24	8
TEC II Vance, Earl		24	8
TEC II Capano, John		16	8
TEC II Brown, Kenneth		24	8
TEC II Coble, Richard		24	8
TEC II Massey, Kevin		24	8
TEC II Watson, Michael		24	8
TEC II Bernard, Christopher		24	8
TEC II Clark, Denise		24	8
TEC II Wheeldon, David		24	8
TEC II Norman, Jesse		24	8

EQUIPMENT ON HAND

[illegible]

COMMENTS (Issues, Action Items, Notifications ect.):

Cutting Operations continue to be extremely slow. Bobcat “blew” a hose today and was out of service.

Moving personnel and equipment continues to delay operations due to lack of vehicles and trailers

Demobed 5 personnel after work today.

Bobcat was able to send out a tech to repair the Bobcat Friday night.

Operations planned for Monday 11 Nov.

Deploy Bobcat #2 with mower deck to attempt completion of area 2 and then send it to area 1

Deploy Bobcat #1 and a manual team to work area 1

Deploy 2 teams to begin manual cutting of wet areas in area 12

Deploy both Sweep Teams to area 10 to continue clear cutting. (Not enough available cleared areas to sweep in the AM hours. Will continue sweeping in the afternoon as area becomes available.



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		016			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/9/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Cold		PM WEATHER:	Partly Cloudy, Cold		MAX TEMP (F):	53	MIN TEMP (F):	44

SUMMARY OF WORK PERFORMED TODAY

Flag transects in DSA# 5 in preparation for vegetation clearance.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections completed on generator, vehicles and support equipment. SBO on vegetation reduction on 11-7-13

TAILGATE TOPICS: weekend work, remote site access, PPE, ARGO operation safety,

SAFE BEHAVIOR OBSERVATIONS: Vegetation reduction 11-7-13

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	22	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA)	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, transect flagging in DSA #5				
Planned Work / Test for Tomorrow: TBD				
Planned Work / Test for Next Week: Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delays in CH2M HILL master schedule related to USA Environmental daily production / veg. clearance rates. USAE states 4 days total to clear all DSA and areas of vegetation. At current pace, we will most likely finish vegetation clearing by November 22 instead of November 8th target date. Equipment onsite not adequate or capable of faster paced veg. clearing. ARGO has leak in hull and is not able to float safely in water. Will not use ARGO in aquatic settings.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): NAEVA terrestrial and VARGO land surveyors pushed back due to poor production rates from USA Environmental and their vegetation reduction teams.					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor Daily for USA Environmental and NAEVA.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.		Jonathan Waldron		11/9/13	
		PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/09/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 016	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cool		MAX TEMP: 53 °F	
				MIN TEMP: 44 °F	
SUMMARY OF WORK PERFORMED TODAY					
The following transects were marked in DSA 5: 13, 23, 24, 25 and T30 1 through 7. A portion of 22 was also marked.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	22
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	0
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	22
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	2133
			Total Work Hours From Start of Construction	2155	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	9	0	
Trailer	Leonard	Mike Malko	9	0	
GPS	Trimble Geo XH	Mike Malko	9	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	4	5	
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0	
SUV	Ford Edge	Chris Rose	9	0	
SUV	Ford Edge	Jim Marshall	0	9	
Car	Ford Fusion	Andy Gascho	0	9	
Office Trailer	ModSpace	Jonathan Waldron	9	0	
Generator	Ingersol Rand	Jonathan Waldron	0	9	
Portable toilet	Satellite Industries	Chris Rose	0	9	
Portable toilet	Satellite Industries	Chris Rose	0	9	
Utility Vehicle	Bobcat	Jonathan Waldron	0	9	
Trailer	EZDumper	Jonathan Waldron	0	9	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (<i>OSHA report, confined space entry permit, incident reports, etc.</i>):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/09/2013

LOCATION OF WORK: DSA #5

DESCRIPTION OF WORK: Land Survey (Boundary/Transect Stake Establishment)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 33 °F MAX: 52 °F

1. Work completed today by subcontractor:

DSA #5 transect layout and marking

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Land Survey (Boundary/Transect Stake Establishment)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:
None

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-09-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Land Survey (Boundary/Transect Stake Establishment) DSA #5 transect layout and marking
Chris Rose
Michael Malko

INSPECTIONS PERFORMED & WHO PERFORMED TEST

Transect layout continued in DSA #5 UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS. Transect locations were verified by GPS



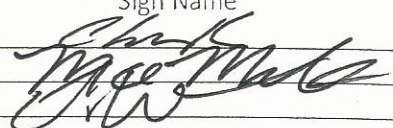
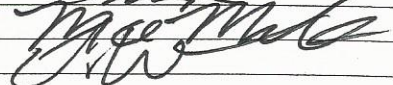

11-09-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Portane Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>11/19/13</u>		
Supervisor: <u>Chris Rose</u>		Job
Activity: <u>RE</u>		
Attendees:	Print Name <u>Chris Rose</u> <u>MA, MARK</u> <u>Justin Walden</u>	Sign Name   
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Transect Marking</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Argo, GPS-GEO HC</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): Chris Koe
 Signature: Chris Koe

Date: 9/11/13



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		017			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/10/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Cold		PM WEATHER:	Partly Cloudy, Cool, Windy		MAX TEMP (F):	59	MIN TEMP (F):	42

SUMMARY OF WORK PERFORMED TODAY

NEAVA attempted to place a IVS and conduct underwater DGM but windy conditions forced them off of the water.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections completed on generator, vehicles and support equipment. SBO on vegetation reduction on 11-7-13

TAILGATE TOPICS: weekend work, remote site access, PPE, Boating safety and DGM.

SAFE BEHAVIOR OBSERVATIONS: Vegetation reduction 11-7-13

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	2	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA)	ARGO		CH2M HILL
Job Trailer	ModSpace 10'x44'	291159	CH2M HILL
Generator	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM				
Planned Work / Test for Tomorrow: USAE Remobilizes to site and continues with transect vegetation clearing, Access Island with boat from Millers Launch, for site assessment.				
Planned Work / Test for Next Week: Aquatic DGM, Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Delays in CH2M HILL master schedule related to USA Environmental daily production / veg. clearance rates. USAE states 4 days total to clear all DSAs and areas of vegetation. At current pace, we will most likely finish vegetation clearing by November 22 instead of November 8th target date. Equipment onsite not adequate or capable of faster paced veg. clearing. ARGO has leak in hull and is not able to float safely in water. Will not use ARGO in aquatic settings.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): NAEVA terrestrial and VARGO land surveyors pushed back due to poor production rates from USA Environmental and their vegetation reduction teams.					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				11/10/13	
				PREPARER'S SIGNATURE	
				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/10/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 017	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Clear, windy/ cold		PM WEATHER: Clear, windy / cool		MAX TEMP: 59 °F	
				MIN TEMP: 42 °F	
SUMMARY OF WORK PERFORMED TODAY					
NEAVA attempted to place a IVS and conduct underwater DGM but windy conditions forced them off of the water.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)		
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CH2M HILL On-Site Hours		2
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Subcontractor On-Site Hours		20
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total On-Site Hours This Date		22
			<i>Cumulative Total of Work Hours From Previous Report</i>		2155
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total Work Hours From Start of Construction		2177
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	0	8	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	0	8	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	0	8	
Pick-up truck	Chevrolet Silverado	Mike Malko	0	8	
SUV	Ford Edge	Chris Rose	1	7	
SUV	Ford Edge	Jim Marshall	0	8	
Car	Ford Fusion	Andy Gascho	1	7	
Office Trailer	ModSpace	Jonathan Waldron	0	8	
Generator	Ingersol Rand	Jonathan Waldron	0	8	
Portable toilet	Satellite Industries	Chris Rose	0	8	
Portable toilet	Satellite Industries	Chris Rose	0	8	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (<i>OSHA report, confined space entry permit, incident reports, etc.</i>):					

[illegible]

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: _____		
Supervisor: <u>Chris Rose</u>		Job: _____
Activity: <u>Remedial Investigation</u>		
<div style="display: flex; align-items: center; justify-content: flex-end;"> <div style="margin-right: 20px;"> 11-10-13 </div> <div> ^{sw} 11-10-13 </div> </div>		
Attendees:	Print Name	Sign Name
	<u>GREG SLETEN</u>	<u>[Signature]</u>
	<u>BRIAN HERGENDE</u>	<u>[Signature]</u>
	<u>PETER JUMP</u>	<u>[Signature]</u>
	<u>ERIC KITH</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Underwater DGM</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Boat, underwater geophysics equipment,</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print): Chris Rose
 Signature: Chris Rose

Date: 11/10/13



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	04
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	10 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0600-0730: setup GPS base, EM and GPS QC tests, launch boat.
0730-1300: High winds prevented emplacement of IVS. Boat maintenance and underwater obstacle recon.
1300: end of day

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	37	7
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	37	7
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	37	7
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	37	7

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		018			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/11/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Cold		PM WEATHER:	Partly Cloudy, Cold, Windy		MAX TEMP (F):	54	MIN TEMP (F):	41

SUMMARY OF WORK PERFORMED TODAY

Begin vegetation reduction in Area 12. Issue with equipment forced delays in DSA #1 and DSA #2 vegetation clearing. Meet with the captain of the Anthony Miller (Personnel boat) and head out to DSA#4 to test footing/ landing of island areas in Raritan River and determine access feasibility.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections in Equipment onsite.

TAILGATE TOPICS: Spill prevention and spills kits, PPE, Safe operation distances from equipment, No smoking in work areas, fire extinguishers and first aid kits in field with crews at all times.

SAFE BEHAVIOR OBSERVATIONS: None for today.

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	43	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM, Brush clearing in Area 12 and DSA#1. Gain Access to DSA#4 island areas to determine work plan feasibility.				
Planned Work / Test for Tomorrow: Continue with Aquatic DGM, Vegetation/Brush reduction and removal, USA Environmental PM's and US Army Corp. of Engineers to visit site and take boat trip out to DSA#4 to look at island areas and discuss work issues and path forward.				
Planned Work / Test for Next Week: Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): USAE Got equipment stuck in DS#1 and DSA#2. Water pump on jet boat from Millers Launch went out and caused delays in access to DSA#4. Water pump is fixed and boat will be ready for tomorrow. Delays in CH2M HILL master schedule related to USA Environmental daily production / veg. clearance rates. USAE will most likely to finish vegetation clearing by November 22 NAEVA terrestrial and VARGO land surveyors pushed back accordingly. ARGO has leak in hull and is not able to float safely in water. Will not use ARGO in aquatic settings.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): USAE PM's to visit site tomorrow and come up with new game plan as to approach for finishing up with vegetation reduction and surface clearance.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/11/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/11/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 018	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Clear, windy/ cold		PM WEATHER: Cloudy, windy / cool		MAX TEMP: 56 °F	
				MIN TEMP: 40 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>A recon boat trip was made to the islands making DSA5 and DSA6. At low tide DSA6 is not accessible by boat. DSA5 is accessible by boat at low tide but a mud slick separates the wood pilings and the marsh grass covered center of the islands. It does appear that the islands are under about 6-12 inches of water at high tide.</p> <p>Vegetation reduction was completed in Area 10. Vegetation reduction was started in Area 12. The following transects were completed: 5 A-B, 9 A-B, 11 C-D, 13 E-F, 14 C-D, 15 A-B, 16 C-D, 17 C-D AND 18 A-B. The following transects have been started: 8 A-B, 10 A-B, 11 C-D, 16 A-B AND 17 A-B.</p> <p>Land surveying was completed in Area 18D (College Parking lot) and started in Area 10: Transects 1 – 5.</p> <p>The underwater IVS was completed. Approximately 90% of underwater DGM in Area 12 and 8 lines in Area 13 were completed.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	43
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	322
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	365
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	2177
			Total Work Hours From Start of Construction	2542	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	8	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	8	0	
SUV	Ford Edge	Chris Rose	8	0	
SUV	Ford Edge	Jim Marshall	8	0	
Car	Ford Fusion	Andy Gascho	8	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>): USAE has 1 skid steer stuck in the mud in DSA2 and 1 skid steer stuck in DSA1 due to mechanical problems.					
VISITORS TO THE SITE:					

LIST OF ATTACHMENTS *(OSHA report, confined space entry permit, incident reports, etc.):*

CONTRACT: W912DY-09-D-0060 / TO: 003
MAY 2021

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/11/2013

LOCATION OF WORK: DSA #1, DSA #2, Area 10

DESCRIPTION OF WORK: Transect layout and marking
Surface Clearance

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 31 °F MAX: 51 °F

1. Work completed today by subcontractor:

CH2M Hill's subcontractor, USAE, completed the vegetation removal from Area 10, started
vegetation removal in Area 12. USEA attempted vegetation removal in DSA #2 but do to
equipment failures and machines stuck in mud was unable to complete the area.
CH2M Hill's subcontractor VARGO surveyed the boundary of Area 18D and started survey of
Area 10. The SUXOS completed a reconnaissance of DSA 6 to access ground conditions.

2. Work completed today by QC inspection staff :

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

Multiple equipment malfunctions caused extended work delays.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

Project: RARITAN NJ		Location: EDISON NJ	Date: 11-11-13
Supervisor: CHRIS ROSE		Job Activity:	
Task Personnel:			
List Tasks: MECH/MANUAL BRUSH REMOVAL BOATING OPS.			
Tools/Equipment required for Tasks, (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools, hand tools): 2 X SKID STEER CHAIN/BRUSH SAWS.			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (Check all that apply and review exposures as they will be encountered in the tasks above):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics	
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash	
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6'	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat stress	
Noise	Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard	
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
Other Potential Hazards (Describe): WEATHER CURRENT TEMP 41% F HIGH 54° F PARTLY CLOUDY			

CH2MHILL**F-4: PRE-TASK SAFETY PLAN****Hazard Control Measures (Check all that apply):**

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> Other	Proper Equipment <input checked="" type="checkbox"/> Aerial lift/ladders/scaffolds Forklift/ Heavy equipment Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane w/current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tag out <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections:	Training: <input checked="" type="checkbox"/> Hazwaste <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific (THA) <input checked="" type="checkbox"/> Hazcom
Field Notes:			

Supervisor signature:

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

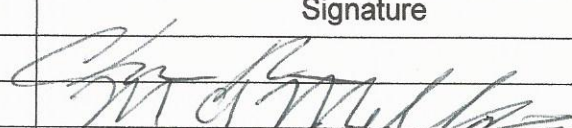
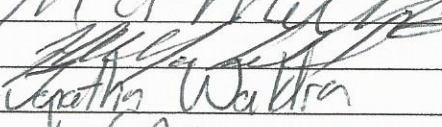
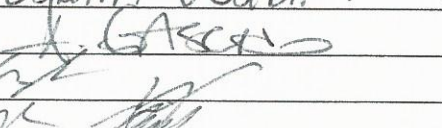

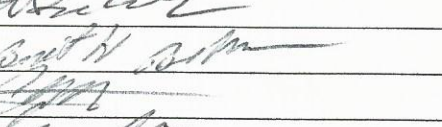
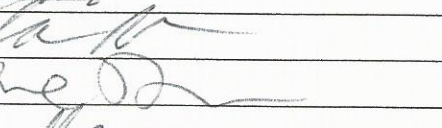
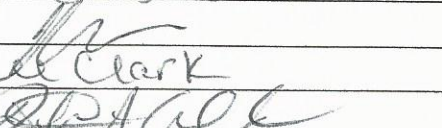
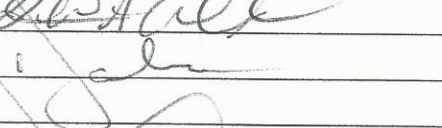
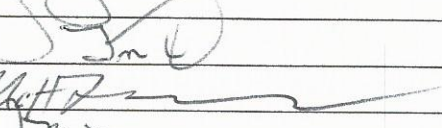
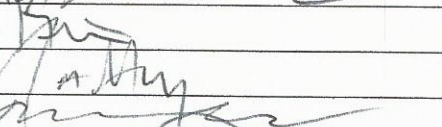
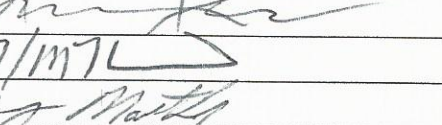
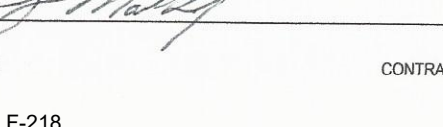
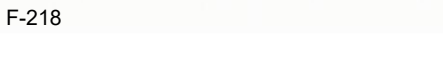
Project: RARITAN ARSENAL Date: 11-11-13



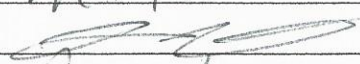
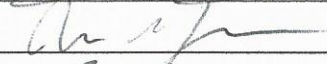

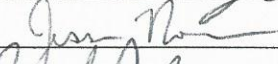


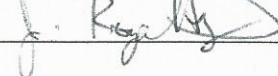
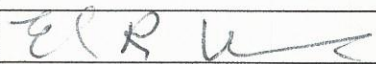

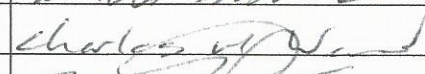

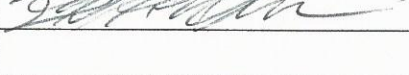
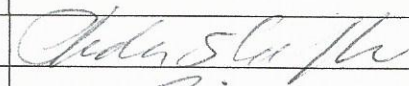

TOPICS DISCUSSED:

1.
2. <u>See Attached PTSP</u>
3.
4.
5.
6.
7.

MEETING CONDUCTED BY: J. MARSHALL SIGNATURE: 

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	
51. PHIL SCHAEFFER	
52. MIKE PONI CHELLI	
53.	
54.	
55.	
56.	
57.	
58.	

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Pacific Arsenal</u>		Location: <u>Edison, NJ</u>														
Date: <u>11/11/13</u>																
Supervisor: <u>Chris Rose</u>		Job														
Activity: <u>Remedial Investigation</u>																
Attendees:																
<table border="0" style="width: 100%;"> <tr> <th style="text-align: left; font-size: small;">Print Name</th> <th style="text-align: left; font-size: small;">Sign Name</th> </tr> <tr> <td><u>Erik Kitt</u></td> <td><u>[Signature]</u></td> </tr> <tr> <td><u>PETER JUMP</u></td> <td><u>[Signature]</u></td> </tr> <tr> <td><u>KEITH HERROLD</u></td> <td><u>[Signature]</u></td> </tr> <tr> <td><u>FRED SLETTEN</u></td> <td><u>[Signature]</u></td> </tr> <tr> <td><u>Nancy Plager</u></td> <td><u>[Signature]</u></td> </tr> <tr> <td><u>Don Waldron</u></td> <td><u>[Signature]</u></td> </tr> </table>	Print Name	Sign Name	<u>Erik Kitt</u>	<u>[Signature]</u>	<u>PETER JUMP</u>	<u>[Signature]</u>	<u>KEITH HERROLD</u>	<u>[Signature]</u>	<u>FRED SLETTEN</u>	<u>[Signature]</u>	<u>Nancy Plager</u>	<u>[Signature]</u>	<u>Don Waldron</u>	<u>[Signature]</u>		
Print Name	Sign Name															
<u>Erik Kitt</u>	<u>[Signature]</u>															
<u>PETER JUMP</u>	<u>[Signature]</u>															
<u>KEITH HERROLD</u>	<u>[Signature]</u>															
<u>FRED SLETTEN</u>	<u>[Signature]</u>															
<u>Nancy Plager</u>	<u>[Signature]</u>															
<u>Don Waldron</u>	<u>[Signature]</u>															
List Tasks and verify that applicable AHAs have been reviewed:																
<u>Underwater DGM, Island Recon</u>																
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):																
<u>Boat</u>																
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):																
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics														
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash														
<input type="checkbox"/> Thermal burns	<input type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects														
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile														
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard														
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress														
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard														
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment														
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms														
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition														
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications														
Other Potential Hazards (Describe):																
<u>Boating safety</u>																

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on-site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): Chris Rose
 Signature: Chris Rose

Date: 11/11/13



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	05
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	11 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0600-0730: setup GPS base, EM and QC tests, launch boat.
0730-1300: emplace IVS, partial collection of transects in Area 12 and partial collection Area 13.
1330: GPS QC, return to launch due to low battery
1330: end of day

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	47	10
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	47	10
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	47	10
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	47	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 11 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Completed 100 % Clearing (Clear Cut) in area 10
 Began Manual Cutting in Area 12, 15% complete.
 Attempted to cut "matted" wet areas remaining in area 2, Bobcat worked for approximately 30 minutes before becoming stuck for the remainder of the day. We have done all we can do in area 2 using the current procedures.
 Bobcat working in area 1 broke down with an electrical/battery issue and was down for most of the day. A new battery has been secured and will be installed Tuesday AM

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	50	10
TEC III Roglainer, Richard		40	8
TEC III Schmidt, Paul		40	De-Mobed 9 Nov
TEC III Wallace, Robert		40	8
TEC III Dalora, Joseph		40	8
TEC III Egbert, Robert		40	8
TEC II Bealer, Michael		40	8
TEC II Manthey, Wayne		40	8
TEC II Royalty, James		40	8
TEC II Moyer, Richard		40	8
TEC II Morgan, Robin		40	8
TEC I Belcher, Bart		40	8
TEC I Vandervort, Jeffery		40	De-Mobed 9 Nov
TEC 1 McCoig		40	8
TEC 1 Fite, Jody		40	8
TEC 1 Gay, Justin		40	8
TEC 1 Black, Jacob		40	8
TEC 1 Stack, Christopher		40	De-Mobed 9 Nov
TEC I Hammond, Kelen		40	8
TEC I Baird, John		40	8
TEC I Palverento, Angelo		40	8
TEC 1 Gollusico, Michael		40	8
TEC 1 Sullivan, Jeffery		40	De-Mobed 9 Nov
TEC I Ward, Charles		40	8
TEC I Baker, Jefferson		40	8
TEC I Agner, Joseph		40	8

APPENDIX F - DAILY REPORTS

TEC I Thomas, Steve		40	De-Mobed 9 Nov
TEC III Ferrell, Matthew		40	8
TEC III Matter, Phillip		40	8
TEC II Vance, Earl		40	8
TEC II Capano, John		32	8
TEC II Brown, Kenneth		40	8
TEC II Coble, Richard		40	8
TEC II Massey, Kevin		40	8
TEC II Watson, Michael		40	8
TEC II Bernard, Christopher		40	8
TEC II Clark, Denise		40	8
TEC II Wheeldon, David		40	8
TEC II Norman, Jesse		40	8
		40	
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Rental Van	Ford 12 PX	1	25
Rental Van	Ford 12 PX	2	24
Rental Van	Ford 12 PX	3	28
Crew Cab Pick Up	Ford 350	Brush	20
Extended Cab Pick Up	Ford 150	SUXOS	45
Open Trailer		Brush T1	0
Open Traler		Brush TI	0
Utility Vehicle		Gator 1	0
Utility Vehicle		Gator 2	0
Skid Steer with Cutter Head	Bobcat 320	Bobcat 1	0
Crew Cab Pick Up	Dodge 2500	Sweep 1	22
Weed Eater (16)	Stihl	N/A	
Weed Eater (4)	Honda	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (18)	Shonstedt	N/A	
Camera Field Digital w/GPS (3)_	Nikon		
Radio w/Charger (8)	Motorola		
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	

COMMENTS (Issues, Action Items, Notifications ect.):			
<p>USAE Raritan PM and USAE Corp Safety/Operations will be on site Tuesday and Wednesday.</p> <p>.</p> <p>Operations planned for Tuesday 12 Nov.</p> <p>Recovery Bobcat #2 with mower deck then send it to area 1 Can not do any additional work in area 2</p> <p>Repair Bobcat #1 continue and work area 1</p> <p>Deploy 3 teams to begin manual cutting of wet areas in area 12</p> <p>Deploy both Sweep Teams to area 10 to conduct surface sweep operations and then move to area 2 to complete surface sweep on areas we could cut.</p> <p>Escort USAE PM as required</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		019		
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/12/13		
REVISION NUMBER:		1		REVISION DATE:		10/30/13		
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron		
AM WEATHER:	Overcast, Mix of rain and snow, windy, cold	PM WEATHER:	Overcast, Cold, Windy	MAX TEMP (F):	45	MIN TEMP (F):	34	

SUMMARY OF WORK PERFORMED TODAY

Continue vegetation reduction in Area 12 and DSA#2. Aquatic DGM of Area 12 and Area 13. Surface clearance in Area 10 and DSA #1 and DSA#2. Surface metal removed from Area 18D. CH2M HILL, NJDEP and USACE meet with the captain of the Anthony Miller (Personnel boat) at the Sayreville boat launch and head out to DSA#4 to test footing/ landing of island areas in Raritan River and determine access feasibility.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite. SBO for USA Environmental Area 10 Surface Clearance Team.

TAILGATE TOPICS: PPE, Safe equipment operations, wet weather operation, snow and rain, 3 points of contact, Boating operations and PFD's for number of personnel.

SAFE BEHAVIOR OBSERVATIONS: Surface Clearance of DSA #2

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	46	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM, Brush clearing in Area 12 and DSA#2. USACE, CH2M HILL, and NJ DOE utilize boat to gain Access to DSA#4 island areas to determine work plan feasibility.				
Planned Work / Test for Tomorrow: Continue with Aquatic DGM, Vegetation/Brush reduction and removal.				
Planned Work / Test for Next Week: Vegetation clearance/ reduction				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Not delays encountered for today. Equipment functioned properly and without incident. Overall delays in schedule due to difficulty with vegetation reduction productivity rates from USA Environmental. Terrestrial DGM expected to start Dec. 2nd 2013.				
VISITORS AND DISCUSSIONS: USACE and NJDOE - See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): USA Environmental's PM on site today to come up with new game plan as to approach for finishing up with vegetation reduction and surface clearance. New plan will be announced NLT Friday 11-15-13 per USAE PM							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/12/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/12/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 019	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Cloudy, windy, snow/ cold		PM WEATHER: Cloudy, windy / cold		MAX TEMP: 41 °F	
				MIN TEMP: 34 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>A boat trip to view DSA 4 and DSA 6 was made with USACE and State of NJ personnel</p> <p>Vegetation reduction continued in DSA 1 and is approximately 98% complete with just some trimming work remaining.</p> <p>Vegetation reduction continued in Area 12. The following transects were completed: 7 A-B, 12 A-B, 13 A-B, 13 C-D, 14 A-B and 18 C-D. The following transects were started: 11 A-B, 19 A-B and 20 A-B.</p> <p>Underwater DGM continued in Area 12.</p> <p>Surface clearances were completed in Area 10 and Area 18D (EPA Property)</p> <p>The surface clearance continued in DSA2 completing transects 1, 2 and 3. Approximately 80% of the surface clearance of DSA 2 has been completed.</p> <p>The surface clearance QC of Areas 10 and 18D (EPA Property) has been completed.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	46
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	312
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	358
				<i>Cumulative Total of Work Hours From Previous Report</i>	2542
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	2900
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	10	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0	
SUV	Ford Edge	Chris Rose	10	0	
SUV	Ford Edge	Jim Marshall	9	0	
Car	Ford Fusion	Andy Gascho	8	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>):					
VISITORS TO THE SITE: USACE-NY: Sandra Pietto, Allen Roos; NJDEP: Anthony Cinque, Nancy Hamill, Anne Hayton, David Van Eck; UXO Pro: Jim Pastorick					

APPENDIX F - DAILY REPORTS

LIST OF ATTACHMENTS (*OSHA report, confined space entry permit, incident reports, etc.*):

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/12/2013

LOCATION OF WORK: DSA #1, DSA #2, Area 10, Area 18D

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal, Surface Clearance,

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 31 °F MAX: 46 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed the surface clearance of Area 10 and continued the Surface clearance of DSA #2 and DSA #1.

CH2M Hill's subcontractor USAE continued vegetation removal in Area 12 and DSA #1.

Visual Site survey of DSA#4 and DSA#6 by boat.

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Surface Clearance

Weekly QC teleconference,

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-12-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance Area 1, Area 2, DSA #2, DSA #1
Michael Malko
Jonathan Waldron
Jim Marshal

INSPECTIONS PERFORMED & WHO PERFORMED TEST

QC inspection of the surface clearance and vegetation Removal of Area 10 and Area 18D was conducted today. The area was inspected and no MEC and no scrap metal larger than 2"x2" inches was found in the clearance area. The UXO Team recovered all surface laid blind seeds from these areas.

QC inspection of the surface clearance UXO Team process and procedures during sweep operations was performed today. All personnel were in the proper PPE and all work was IAW the Work Plan, HASP, and AHA's.



11-12-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: RARITAN ARSENAL Location: ENSON NJ
 Date: 11-12-13
 Supervisor: CHRIS ROSE Job _____
 Activity: _____

Attendees: _____ Print Name _____ Sign Name _____

See Attached.

List Tasks and verify that applicable AHAs have been reviewed:

MECH/MANUAL VEGETATION REMOVAL
SURVEY
SURFACE CLEARANCE / BOAT DGM

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

2X SKID STEER w/cutters heads
CHAIN/BUSH SAWS
SCHONSTADT

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

current Temp - 38°F
HIGH TODAY - 43°F
SNOW/SHOWERS

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print): J. MARSHALL
 Signature: [Signature]

Date: 11-12-13

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project.

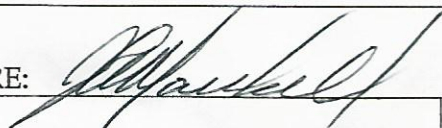
RARITAN ARSENAL

Date:

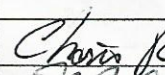
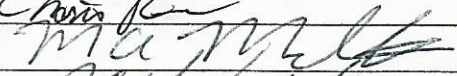
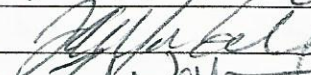



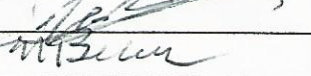
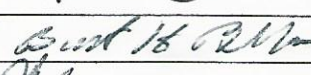


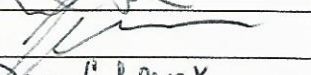
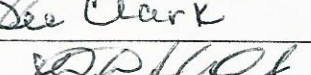



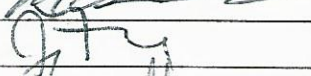
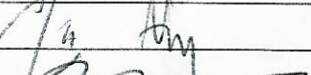





11-12-13


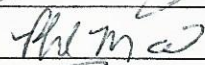


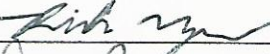

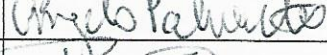

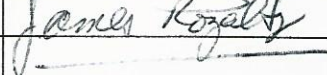



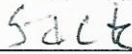

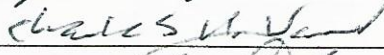



TOPICS DISCUSSED:

1.
2.
3.
4.
5.
6.
7.

MEETING CONDUCTED BY: J. MARSHALL SIGNATURE: 

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	
51. ROBERT GUCWA USAE	
52.	
53.	
54.	
55.	
56.	
57.	
58.	

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>11-12-13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>Aquatic DGM</u>		
Attendees:	Print Name	Sign Name
	<u>ANSEL STAVEN</u>	<u>[Signature]</u>
	<u>BRIAN HERRIDGE</u>	<u>[Signature]</u>
	<u>ERIC KITT</u>	<u>[Signature]</u>
	<u>PETER JUMP</u>	<u>[Signature]</u>
	<u>Jon Waldran</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DGM, Boat operation, General field Conditions</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand tools, Boat, DGM Equipment, GPS Equipment</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input checked="" type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>Snow, Visibility, UXO-MGC potential</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input checked="" type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print):

Signature:

Date:



Safe Behavior Observation Form			
<input checked="" type="checkbox"/> Federal or <input type="checkbox"/> Commercial Sector (check one)		<input checked="" type="checkbox"/> Construction or <input type="checkbox"/> Consulting (check one)	
Project Number: 427946		Client/Program: Army Corps of Engineers	
Project Name: Former Raritan Arsenal Remedial Investigation		Observer: Jim Marshall	Date: 11/12/13
Position/Title of worker observed: UXO Team members		Background Information/ comments:	
Task/Observation Surface Clearance DSA 10			
Observed:			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Practices: PTSP and safety brief conducted. Team leader conducted tailgate briefing at DSA 10 prior to start of sweep ops. All prescribed PPE worn. MEC precautions taken.
Properly trained/qualified/experienced	X		
Tools/equipment available and adequate	X		
Proper use of tools	X		Questionable Activity/Unsafe Condition Observed:
Barricades/work zone control	X		
Housekeeping	X		
Communication	X		
Work Approach/Habits	X		
Attitude	X		
Focus/attentiveness	X		
Pace	X		Observer's Corrective Actions/Comments:
Uncomfortable/unsafe position	X		
Inconvenient/unsafe location	X		
Position/Line of fire	X		
Apparel (hair, loose clothing, jewelry)	X		
Repetitive motion	X		Observed Worker's Corrective Actions/Comments:

For ES Federal Sector projects please email completed forms to: CH2M_HILL_ES_FED_Safe_Behavior_Observation@ch2m.com
 For ES Commercial Sector projects please email completed forms to: CH2M_HILL_ES_COM_Safe_Behavior_Observation@ch2m.com
 For CNR ES staff please email completed forms to: cnressafe@ch2m.com



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	06
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	12 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0600-0730: setup GPS base, EM QC tests, GPS QC test, launch boat.
0730-1420: IVS, DGM transects area 12, collection Area 13.
1420-1700: EM QC, recover boat, repairs and data pre processing.
1700: end of day.

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	47	10
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	47	10
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	47	10
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	47	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 12 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Completed Surface Sweep of area 10
 Completed Surface sweep of area 2
 Completed Surface Sweep of 50% Area 1.
 Continued manual cutting in area 12 approximately 30% to date
 Continued Mechanical Cutting in area 1 95% Completed

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	60	10
TEC III Roglainer, Richard		50	8
TEC III Schmidt, Paul		40	De-Mobed 9 Nov
TEC III Wallace, Robert		50	8
TEC III Dalora, Joseph		50	8
TEC III Egbert, Robert		50	8
TEC II Bealer, Michael		50	8
TEC II Manthey, Wayne		50	8
TEC II Royalty, James		50	8
TEC II Moyer, Richard		50	8
TEC II Morgan, Robin		50	8
TEC I Belcher, Bart		50	8
TEC I Vandervort, Jeffery		40	De-Mobed 9 Nov
TEC I McCoig		50	8
TEC I Fite, Jody		50	8
TEC 1 Gay, Justin		50	8
TEC 1 Black, Jacob		50	8
TEC 1 Stack, Christopher		40	De-Mobed 9 Nov
TEC I Hammond, Kelen		50	8
TEC I Baird, John		50	8
TEC I Palverento, Angelo		50	8
TEC 1 Gollusico, Michael		50	8
TEC 1 Sullivan, Jeffery		40	De-Mobed 9 Nov
TEC I Ward, Charles		50	8
TEC I Baker, Jefferson		50	8
TEC I Agner, Joseph		50	8
TEC I Thomas, Steve		40	De-Mobed 9 Nov

APPENDIX F - DAILY REPORTS

TEC III Ferrell, Matthew		50	8
TEC III Matter, Phillip		50	8
TEC II Vance, Earl		50	Sick
TEC II Capano, John		40	8
TEC II Brown, Kenneth		50	8
TEC II Coble, Richard		50	8
TEC II Massey, Kevin		50	8
TEC II Watson, Michael		50	8
TEC II Bernard, Christopher		50	8
TEC II Clark, Denise		50	8
TEC II Wheeldon, David		50	8
TEC II Norman, Jesse		50	8
		50	
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Rental Van	Ford 12 PX	1	25
Rental Van	Ford 12 PX	2	24
Rental Van	Ford 12 PX	3	28
Crew Cab Pick Up	Ford 350	Brush	20
Extended Cab Pick Up	Ford 150	SUXOS	45
Open Trailer		Brush T1	0
Open Traler		Brush TI	0
Utility Vehicle		Gator 1	0
Utility Vehicle		Gator 2	0
Skid Steer with Cutter Head	Bobcat 320	Bobcat 1	0
Crew Cab Pick Up	Dodge 2500	Sweep 1	22
Weed Eater (16)	Stihl	N/A	
Weed Eater (4)	Honda	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (18)	Shonstedt	N/A	
Camera Field Digital w/GPS (3)_	Nikon		
Radio w/Charger (8)	Motorola		
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	

COMMENTS (Issues, Action Items, Notifications ect.):			
<p>USAE Raritan PM and USAE Corp Safety/Operations will be on site Wednesday.</p> <p>Due to extream matting and boggy conditions teams were not able to cut approx 140 Meters of transects in area 2, we have cut all we can cut in 2 under current conditions</p> <p>.</p> <p>Operations planned for Wednesday 13 Nov.</p> <p>Escort USAE Staff as required</p> <p>Continue Manual cutting in area 12</p> <p>Complete last 5% of cutting in area 1</p> <p>Complete remaining surface sweep in area 1</p> <p>Begin Mechanical cutting in area 12</p> <p>Begin Sweeping in area 12 as available</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		020			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/13/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, Cold		MAX TEMP (F):	40	MIN TEMP (F):	27

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction and surface clearance was completed in DSA# 1. Vegetation reduction continued in Area 12. Underwater DGM continued in Area 12. Land survey was completed in Area 10. The DGM of Area 18D College, has been postponed until 15 Dec. College personnel have been notified.

USAE will demob all personnel except a 5 man brush removal/surface sweep team starting tomorrow, 11-14-13. The team will continue vegetation reduction and a marsh master with cutting head will arrive on Tuesday.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Spill prevention, slips, trips and falls, cold weather operations, safe lifting techniques

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	43	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM, Brush clearing in Area 12 and DSA#1. USA Environmental's PMs still onsite to assess situation and devise plan for path forward and procure appropriate equipment.				
Planned Work / Test for Tomorrow: Continue with Aquatic DGM, Vegetation/Brush reduction and removal.				
Planned Work / Test for Next Week: Vegetation clearance/ reduction, Surveying, prepping for DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): No delays encountered for today. Equipment functioned properly and without incident. USA Environmental to demobe majority of field staff and return Tuesday with Marsh Master. Overall delays in schedule due to difficulty with vegetation reduction productivity rates from USA Environmental. Terrestrial DGM expected to start Dec. 2nd 2013.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonstedt	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): USA Environmental's PM still on site today to come up with new game plan as to approach for finishing up with vegetation reduction and surface clearance. New plan will be announced NLT Friday 11-15-13 per USAE project manager to CH2M HILL project management team Marsh Master to arrive onsite 11-19-13							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		11/13/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/13/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 020	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Clear, windy / cold		PM WEATHER: Clear, windy / cold		MAX TEMP: 39 °F	
				MIN TEMP: 27 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>Vegetation reduction was completed in DSA.</p> <p>Vegetation reduction continued in Area 12. The following transects were completed: 16 A-B, 17 A-B, 18 A-B and 17 E-F. The following transects were started: 21 A-B and 22 A-B.</p> <p>Underwater DGM continued in Area 12.</p> <p>The surface clearance of DSA 1 was completed.</p> <p>Land survey was completed in Area 10.</p> <p>The DGM of Area 18D, College, has been postponed until 15 Dec. College personnel have been notified.</p> <p>USAE will demob all personnel except a 5 man brush removal/surface sweep team starting tomorrow. The team will continue vegetation reduction and a marsh master with cutting head will arrive on Tuesday.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Cumulative Total of Work Hours From Previous Report	
			Total Work Hours From Start of Construction		3263
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	8	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	9	0	
SUV	Ford Edge	Chris Rose	9	0	
SUV	Ford Edge	Jim Marshall	8	0	
Car	Ford Fusion	Andy Gascho	9	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Portable toilet	Satellite Industries	Chris Rose	9	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					

LIST OF ATTACHMENTS (*OSHA report, confined space entry permit, incident reports, etc.*):

CONTRACT: W912DY-09-D-0060 / TO: 003
MAY 2021

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/13/2013

LOCATION OF WORK: DSA #1, Area 10, Area 12, Area 18D

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal, Surface Clearance,

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 27 °F MAX: 40 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed the surface clearance DSA #1.
CH2M Hill's subcontractor USAE continued vegetation removal in Area 12.
DSA #1 is awaiting QC inspection for vegetation removal and Surface clearance.
CH2M Hill's subcontractor VARGO completed transect survey of Area 18D and Area 10.

2. Work completed today by QC inspection staff :

Follow on Inspection DFOW Surface Clearance
Blind Seeding of Area 10.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

There are two different shape files for Area 18D transects. Field Team and survey Subcontractor needs most current to complete transect layout.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-13-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance DSA 1
Michael Malko
Jonathan Waldron
Jim Marshal

INSPECTIONS PERFORMED & WHO PERFORMED TEST

QC inspection of the surface clearance UXO Team process and procedures during sweep operations was performed today. All personnel were in the proper PPE and all work was IAW the Work Plan, HASP, and AHA's. The UXO Team recovered all surface laid blind seeds from areas cleared...



11-13-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RARITAN RESCANAL</u>		Location: <u>EDISON NJ</u>																					
Date: <u>11-13-13</u>																							
Supervisor: <u>CHRIS ROSE</u>		Job																					
Activity: _____																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Attendees:</th> <th style="width: 40%;">Print Name</th> <th style="width: 40%;">Sign Name</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="2" style="text-align: center; vertical-align: middle;">see Attached</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			Attendees:	Print Name	Sign Name		see Attached																
Attendees:	Print Name	Sign Name																					
	see Attached																						
List Tasks and verify that applicable AHAs have been reviewed:																							
<u>MECH/MANUAL Veg Removal</u> <u>SURFACE SWEEP OF TRANSECTS</u> <u>WATER DGM</u>																							
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):																							
<u>2 x SKID STEER w/cutter head</u> <u>CHAIN / BRUSH SAWS / BOAT</u> <u>SCHONSTADT</u>																							
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):																							
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics																					
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash																					
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects																					
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile																					
<input type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard																					
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress																					
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard																					
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment																					
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms																					
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition																					
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications																					
Other Potential Hazards (Describe):																							
<u>CURRENT TEMP 26°F, CLEAR SKY</u> <u>HIGH 41°F, WIND 2MPH</u>																							

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): J. MARSHALL
 Signature: [Signature]

Date: 11-13-13

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project.

RARITAN ARSENALS

Date:



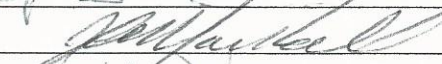

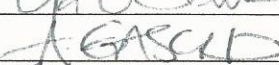









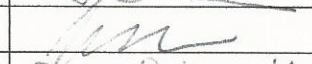
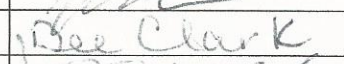
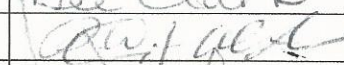
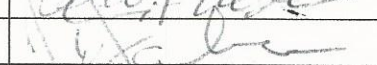





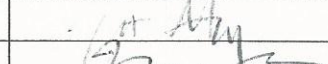
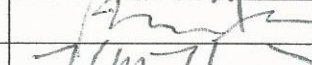
11-13-13


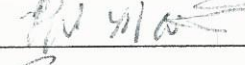
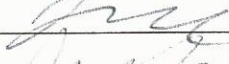
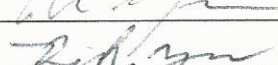
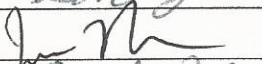
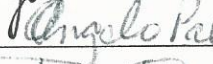

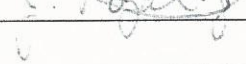
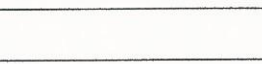
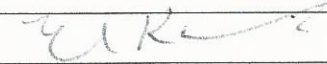

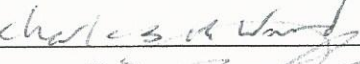





TOPICS DISCUSSED:

1.	<u>See Daily RTSP</u>
2.	
3.	
4.	
5.	
6.	
7.	

MEETING CONDUCTED BY: J. MARSHALL SIGNATURE: 

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	
51.	
52.	
53.	
54.	
55.	
56.	
57.	
58.	



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	07
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	13 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0600-0730: setup GPS base, EM QC tests, GPS QC test, launch boat.

0730-1410: IVS, DGM Area 13.

1420-1700: EM QC, recover boat, data pre processing and submittal.

1700: end of day.

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	57	10
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	57	10
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	57	10
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	57	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 13 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

SUMMARY OF WORK PERFORMED TODAY

Completed Cutting in area 1
 Completed Surface Sweep of area 1
 Continued manual cutting in area 12 approximatley 35% to date

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)	678-300-2493	70	10
TEC III Roglainer, Richard		56	8
TEC III Schmidt, Paul		40	De-Mobed 9 Nov
TEC III Wallace, Robert		56	8
TEC III Dalora, Joseph		56	8
TEC III Egbert, Robert		56	8
TEC II Bealer, Michael		56	8
TEC II Manthey, Wayne		56	8
TEC II Royalty, James		56	8
TEC II Moyer, Richard		56	8
TEC II Morgan, Robin		56	8
TEC I Belcher, Bart		56	8
TEC I Vandervort, Jeffery		40	De-Mobed 9 Nov
TEC 1 McCoig		56	8
TEC 1 Fite, Jody		56	8
TEC 1 Gay, Justin		56	8
TEC 1 Black, Jacob		56	8
TEC 1 Stack, Christopher		40	De-Mobed 9 Nov
TEC I Hammond, Kelen		56	8
TEC I Baird, John		56	8
TEC I Palverento, Angelo		56	8
TEC 1 Gollusico, Michael		56	8
TEC 1 Sullivan, Jeffery		40	De-Mobed 9 Nov
TEC I Ward, Charles		56	8
TEC I Baker, Jefferson		56	8
TEC I Agner, Joseph		56	8
TEC I Thomas, Steve		40	De-Mobed 9 Nov

APPENDIX F - DAILY REPORTS

TEC III Ferrell, Matthew		56	8
TEC III Matter, Phillip		56	8
TEC II Vance, Earl		48	8
TEC II Capano, John		48	8
TEC II Brown, Kenneth		56	8
TEC II Coble, Richard		56	8
TEC II Massey, Kevin		56	8
TEC II Watson, Michael		56	8
TEC II Bernard, Christopher		56	8
TEC II Clark, Denise		56	8
TEC II Wheeldon, David		56	8
TEC II Norman, Jesse		56	8
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Rental Van	Ford 12 PX	1	25
Rental Van	Ford 12 PX	2	24
Rental Van	Ford 12 PX	3	27
Crew Cab Pick Up	Ford 350	Brush	29
Extended Cab Pick Up	Ford 150	SUXOS	87
Open Trailer		Brush T1	0
Open Traler		Brush TI	0
Utility Vehicle		Gator 1	0
Utility Vehicle		Gator 2	0
Skid Steer with Cutter Head	Bobcat 320	Bobcat 1	Turned in 11/13/13
Crew Cab Pick Up	Dodge 2500	Sweep 1	26
Weed Eater (16)	Stihl	N/A	
Weed Eater (4)	Honda	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (18)	Shonstedt	N/A	
Camera Field Digital w/GPS (3)_	Nikon		
Radio w/Charger (8)	Motorola		
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	

COMMENTS (Issues, Action Items, Notifications ect.):			
<p>Operations planned for Thursday 14 Nov.</p> <p>Continue Manual and mechanical cutting in area 12 with 1 5 man team</p> <p>Pack and ship excess equipment</p> <p>Turn in Rental equipment not needed</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		021	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/14/13	
REVISION NUMBER:		1		REVISION DATE:		10/30/13	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Clear, cold	PM WEATHER:	Clear, Cool	MAX TEMP (F):	54	MIN TEMP (F):	32
SUMMARY OF WORK PERFORMED TODAY							
Vegetation reduction continued in Area 12 and vegetation reduction started in DSA 3. Underwater DGM continued in Area 12. A snagged and broken cable forced the boat out of the water The DGM of the parking lot in DSA 2 has been postponed until 15 Dec. The warehouse and Federal Business Center have been notified.							
HEALTH AND SAFETY REPORT							
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.							
TAILGATE TOPICS: Complacency, Demobilization, slips, trips and falls, pinch points, heavy lifting,							
SAFE BEHAVIOR OBSERVATIONS: None for today							
OPERATIONS / PRODUCTION REPORT							
WORK FORCE – CONTRACTOR AND SUBCONTRACTOR							
Company		Cumulative Total of Work Hours From Previous Report		Total Hours Today on site			
CH2M HILL		See attached		40			
See Attached for Subcontractor operations and production report							
EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
ARGO (NAEVA rented piece of equipment)		ARGO				CH2M HILL	
Job Trailer (Modspace rental)		ModSpace 10'x44'		291159		CH2M HILL	
Generator (Sunbelt Rental)		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400				CH2M HILL	
Metal detector		Schonstedt				CH2M HILL	
GPS Equipment		Trimbel Geo XH 6000				CH2M HILL	
Bob Cat UTV (Sunbelt Rental)		Bob Cat 3400		31455		CH2M HILL	
Double axel trailer for UTV (Sunbelt Rental)		Sunbelt rentals/Dumper		186970		CH2M HILL	
Trailer for Argo (NAEVA rented piece of equipment)		Leonard		660		CH2M HILL	
COMMENTS (acceptance status, inspection findings, etc.): None							


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM, Brush clearing in Area 12 and DSA#3. USA Environmental's PMs onsite to assess situation and devise plan for path forward. Majority of USA Environmental vegetation reduction and surface clearance teams demobe.				
Planned Work / Test for Tomorrow: Continue with Aquatic DGM, Vegetation/Brush reduction and removal. USA Environmental to demobilize team and return Monday with new team and expect Marsh Master to be delivered to site on Tuesday.				
Planned Work / Test for Next Week: Vegetation clearance/ reduction, Surveying, prepping for DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): No delays encountered for today. Equipment functioned properly and without incident. USA Environmental to demobe majority of field staff and return Tuesday with Marsh Master. Overall delays in schedule due to difficulty with vegetation reduction productivity rates from USA Environmental. Terrestrial DGM expected to start Dec. 2nd 2013.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonstedt inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonstedt	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): USA Environmental's PM on site today to come up with new game plan as to approach for finishing up with vegetation reduction and surface clearance. New plan will be announced NLT Friday 11-15-13 per USAE PM Marsh Master to arrive onsite 11-19-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.		Jonathan Waldron		11/14/13	
		PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/14/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 021	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Jim Miller	
AM WEATHER: Clear, breezy / cold		PM WEATHER: Clear, breezy / cool		MAX TEMP: 54 °F	
				MIN TEMP: 32 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction continued in Area 12. The following transects were completed: 21 A-B, 22 A-B, 23 A-B, 24 A-B, 25 A-B and 17 G-H. Vegetation reduction started in DSA 3. The following transects were completed: 11 A-B and 13 A-B					
Underwater DGM continued in Area 12. A snagged and broken cable forced the boat out of the water					
The DGM of the parking lot in DSA 2 has been postponed until 15 Dec. The warehouse and Federal Business Center have been notified.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	40
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	152
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	192
				<i>Cumulative Total of Work Hours From Previous Report</i>	3263
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	3455
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	8	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	8	0	
SUV	Ford Edge	Chris Rose	8	0	
SUV	Ford Edge	Jim Marshall	8	0	
Car	Ford Fusion	Andy Gascho	8	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/14/2013

LOCATION OF WORK: DSA #3, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 31 °F MAX: 54 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE continued vegetation removal in Area 12

CH2M Hill's subcontractor USAE began vegetation removal in DSA #3

DSA #1 is awaiting QC inspection for vegetation removal and Surface clearance.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project.

RARITAN ARSENAL

Date:

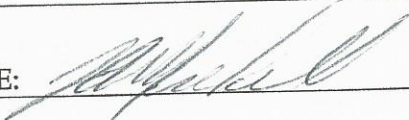
11-14-13

TOPICS DISCUSSED:

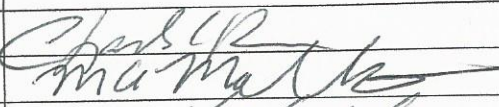
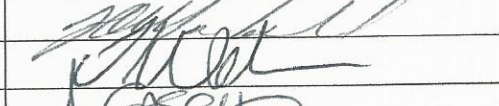
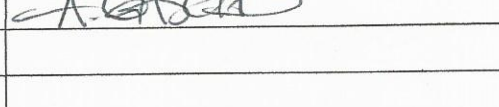
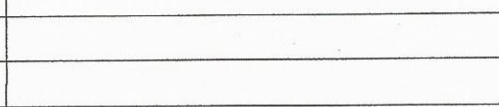
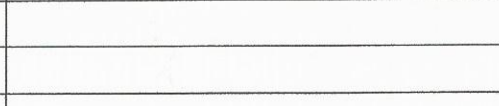
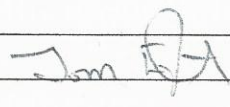
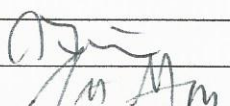
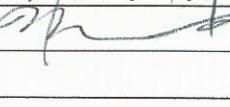
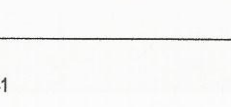
1. COMPLACENCY / Camp Pendleton
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.



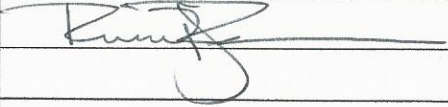
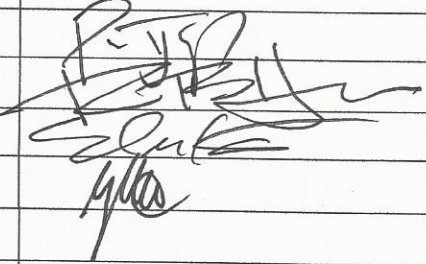
MEETING CONDUCTED BY: J. W. AIRS HALL

SIGNATURE:



MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	
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CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>ARITAN ARSENAL</u>		Location: <u>EDISON NJ</u>
Date: <u>11-14-13</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: _____		
Attendees:	Print Name	Sign Name
List Tasks and verify that applicable AHAs have been reviewed:		
<u>MECH/MANUAL Veg Removal</u>		
<u>SURVEY</u>		
<u>SURFACE CLEARANCE</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>2 X SKID STEER W/ CUTTER HEADS</u>		
<u>CHAIN/BRUSH SAWS</u>		
<u>SCHONSTADT</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input checked="" type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>CURRENT temp 31°F, CLEAR Sunny</u>		
<u>HIGH 52°F</u>		
<u>WIND</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print): J. MARSHALL
 Signature: [Signature]

Date: 11-14-13



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	08
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	14 NOVEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	PETER JUMP

SUMMARY OF WORK PERFORMED TODAY

0600-0745: setup GPS base, EM QC tests, launch boat.
0800-1100: IVS, DGM Area 13. Encountered hazard, damaged EM system, return to launch.
1100-1730: recover boat, data pre processing and submittal. Replace coil and repair damage from hazard.
1730: end of day.

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ PETER JUMP	434.825.2814/ GEO	68.5	11.5
3DGEOPHYSICS/ BRIAN HERRIDGE	612.889.9520/ GEO	68.5	11.5
3DGEOPHYSICS/ ERIK KITT	612.791.0335/ GEO	68.5	11.5
3DGEOPHYSICS/ GREG SLETTEN	218.760.7246/ GEO	68.5	11.5

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	60088912	
BASE STATION RADIO HBP450	TRIMBLE	07022212	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220292003	
TSC2 CONTROLLER	TRIMBLE	SS23A14208	
FMX NAVIGATION DISPLAY	TRIMBLE	5015561698	
EM61- FLEX 3 TIME DOMAIN EM	GEONICS	01	
HUMMINBIRD 1198C SI COMBO	HUMMINBIRD	13020502-0101	
NAV 5700 RTK RECEIVER	TRIMBLE	0440103777	
DATA 5700 RTK RECEIVER	TRIMBLE	0220285283	
NAV ZEPHYR GEODETIC	TRIMBLE	12422953	
DATA ZEPHYR GEODETIC	TRIMBLE	60052040	
COMMENTS (Issues, Action Items, Notifications ect.):			

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 14 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Edwards, George

Continued manual cutting in area 12 approximately 75% to date

[illegible]

APPENDIX F - DAILY REPORTS

[illegible]

COMMENTS (Issues, Action Items, Notifications ect.):			
 Operations planned for Friday 15 Nov. Continue Manual and mechanical cutting in area 12 with 1 5 man team			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		22			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/15/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, Cool		MAX TEMP (F):	56	MIN TEMP (F):	36

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction continued in Area 12 and DSA 3.
The following transects were started in DSA3 and will need to be completed due to wet conditions: 5(100 meters remaining), 6(20 meters remaining), 7(30 meters remaining) and 10(100 meters remaining). Transects 1, 2, 3 and 4 will be cut with the marsh master.

Underwater DGM has been completed and the team demobed.

Land survey was completed on Transects 1 through 6 in DSA 1 and points 1A, 2A, 3A, 4A, 4B and 5B in DSA 2. Land survey in Area 18D (EPA) was completed.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Demobilization, slips, trips and falls, pinch points, heavy lifting, equipment operations

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	20	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections, Aquatic DGM, Brush clearing in Area 12 and DSA#3.				
Planned Work / Test for Tomorrow: None- Weekend break				
Planned Work / Test for Next Week: Vegetation clearance/ reduction, Surveying, prepping for DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): No delays encountered for today. Equipment functioned properly and without incident. USA Environmental to return Tuesday 11-19-13 with Marsh Master. Overall delays in schedule due to difficulty with vegetation reduction productivity rates from USA Environmental. Terrestrial DGM expected to start Dec. 2nd 2013.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference	Submittal Approved?		Comment/Reason/Action
NA			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Marsh Master to arrive onsite 11-19-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.			Jonathan Waldron		11/15/13
PREPARER'S SIGNATURE				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/15/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 022	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cool		MAX TEMP: 56 °F	
				MIN TEMP: 36 °F	
SUMMARY OF WORK PERFORMED TODAY					
<p>Vegetation reduction continued in Area 12. The following transects were completed: 21 A-B, 22 A-B, 23 A-B, 24 A-B, 25 A-B and 17 G-H.</p> <p>Vegetation reduction continued in DSA 3. The following transects were completed: 8, 9 and 12. The following transects were started and will need to be completed due to wet conditions: 5(100 meters remaining), 6(20 meters remaining), 7(30 meters remaining) and 10(100 meters remaining). Transects 1, 2, 3 and 4 will be cut with the marsh master.</p> <p>Underwater DGM has been completed and the team demobed.</p> <p>Land survey was completed on Transects 1 through 6 in DSA 1 and points 1A, 2A, 3A, 4A, 4B and 5B in DSA 2. Land survey in Area 18D (EPA) was completed.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	20
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	60
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	80
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	3455
			Total Work Hours From Start of Construction	3535	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	0	8	
Pick-up truck	Chevrolet Silverado	Mike Malko	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/15/2013

LOCATION OF WORK: DSA #3, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 31 °F MAX: 54 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE continued vegetation removal in Area 12 reworking Transect T12-T19.

CH2M Hill's subcontractor USAE continued vegetation removal in DSA #3 clearing transects
 TDSA3-5 (exception northern 100 meters requires Marsh Master)
 TDSA3-6 (exception northern 20 meters requires Marsh Master)
 TDSA3-7 (exception northern 30 meters requires Marsh Master)
 TDSA3-10 (exception northern 100 meters requires Marsh Master)
 TDSA3-8,9,11,12,13 completed

CH2M Hill's Subcontractor Vargo completed stake out of Area 18D and a portion of DSA 1.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team.

QC Inspection of DSA 1 vegetation removal.

QC Inspection of Area 12 vegetation removal.

Blind Seeding of DSA 1.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
<p>PPE</p> <p>Thermal/lined</p> <p>Eye</p> <p>Dermal/hand</p> <p>Hearing</p> <p>Respiratory</p> <p>Reflective vests</p> <p>Flotation device</p> <p>Hard Hat</p>	<p>Protective Systems</p> <p>Sloping</p> <p>Shoring</p> <p>Trench box</p> <p>Barricades</p> <p>Competent person</p> <p>Locate buried utilities</p> <p>Daily inspections</p> <p>Entry Permits/notifications</p>	<p>Fire Protection</p> <p>Fire extinguishers</p> <p>Fire watch</p> <p>Non-spark tools</p> <p>Grounding/bonding</p> <p>Intrinsically safe equipment</p>	<p>Electrical</p> <p>Lockout/tagout</p> <p>Grounded</p> <p>Panels covered</p> <p>GFCI/extension cords</p> <p>Power tools/cord inspected</p> <p>Overhead line clearance</p> <p>Underground utils ID'd</p>
<p>Fall Protection</p> <p>Harness/lanyards</p> <p>Adequate anchorage</p> <p>Guardrail system</p> <p>Covered opening</p> <p>Fixed barricades</p> <p>Warning system</p>	<p>Air Monitoring</p> <p>PID/FID</p> <p>Detector tubes</p> <p>Radiation</p> <p>Personnel sampling</p> <p>LEL/O2</p> <p>No visible dust</p> <p>Other</p>	<p>Proper Equipment</p> <p>Aerial lift/ladders/scaffolds</p> <p>Forklift/heavy equipment</p> <p>Backup alarms</p> <p>Hand/power tools</p> <p>Crane with current inspection</p> <p>Proper rigging</p> <p>Operator qualified</p>	<p>Welding & Cutting</p> <p>Cylinders secured/capped</p> <p>Cylinders separated/upright</p> <p>Flash-back arrestors</p> <p>No cylinders in CSE</p> <p>Flame retardant clothing</p> <p>Appropriate goggles</p>
<p>Confined Space Entry</p> <p>Isolation</p> <p>Air monitoring</p> <p>Trained personnel</p> <p>Permit completed</p> <p>Rescue</p>	<p>Medical/ER</p> <p>First-aid kit</p> <p>Eye wash</p> <p>FA-CPR trained personnel</p> <p>Route to hospital</p>	<p>Heat/Cold Stress</p> <p>Work/rest regime</p> <p>Rest area</p> <p>Liquids available</p> <p>Monitoring</p> <p>Training</p>	<p>Vehicle/Traffic</p> <p>Traffic control</p> <p>Barricades</p> <p>Flags</p> <p>Signs</p>
<p>Permits</p> <p>Hot work</p> <p>Confined space</p> <p>Lockout/tagout</p> <p>Excavation</p> <p>Demolition</p> <p>Energized work</p>	<p>Demolition</p> <p>Pre-demolition survey</p> <p>Structure condition</p> <p>Isolate area/utilities</p> <p>Competent person</p> <p>Hazmat present</p>	<p>Inspections:</p> <p>Ladders/aerial lifts</p> <p>Lanyards/harness</p> <p>Scaffolds</p> <p>Heavy equipment</p> <p>Drill rigs/geoprobe rigs</p> <p>Cranes and rigging</p> <p>Utilities marked</p>	<p>Training:</p> <p>Hazwaste (current)</p> <p>Construction</p> <p>Competent person</p> <p>Task-specific</p> <p>FA/CPR</p> <p>Confined Space</p> <p>Hazcom</p>
<p>Underground Utilities</p> <p>Dig alert called</p> <p>3rd Party locator</p> <p>As-built reviewed</p> <p>Interview site staff</p> <p>Client review</p> <p>Soft locate necessary?</p>	<p>Incident Communications</p> <p>Work stops until cleared by TM/CM</p> <p>Immediate calls to TM/CM</p> <p>Client notification</p> <p>24 hour notification setup</p> <p>Clear communications</p>	<p>AHA's</p> <p>Reviewed and approved by HSM</p> <p>on site and current</p> <p>applicable for this day's work</p> <p>Communication and incident processes included?</p>	<p>Field Notes (including observations from prior day, etc.):</p>

Name (Print): Michael Marks

Date: 11/15/2013

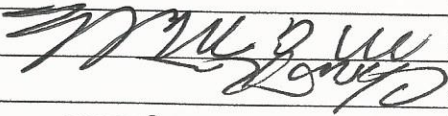
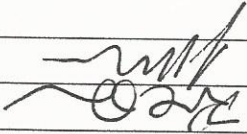
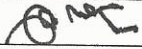
F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG


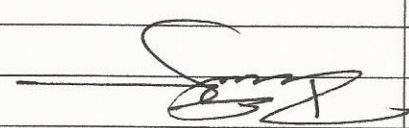
Project: Former Panther Arsenal / RI/FS Date: 11/15/13
TOPICS DISCUSSED:

1.	
2.	
3.	
4.	
5.	
6.	
7.	

MEETING CONDUCTED BY: _____ SIGNATURE: _____

MEETING ATTENDEES

Name/Company	Signature
1. Charles Rose CH2M Hill	
2. Mike Maliko CH2M Hill	
3. Jim Marshall CH2M Hill	
4. Jonathan Waldron CH2M Hill	
5. Andrew Gascho CH2MHILL	
6. Joseph Agner USAE	
7. John Baird USAE	
8. Jefferson Baker USAE	
9. Michael Bealer USAE	
10. Bart Belcher USAE	
11. Chris Bernard USAE	
12. Jacob Black USAE	
13. Kenneth Brown USAE	
14. Capano John USAE	
15. Dee Clark USAE	
16. Richard Coble USAE	
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	
21. Jody Fite USAE	
22. Justin Gay USAE	
23. Michael Golluscio USAE	
24. Kelan Hammond USAE	
25. Manthey Wayne USAE	

MEETING ATTENDEES	
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	
35. Paul Schmidt USAE	
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	
42. Charles Ward USAE	
43. Michael Watson USAE	
44. David Wheeldon USAE	
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Stetten 3Dgeophysics	
51. <i>Phil Schaeffer</i>	
52.	
53.	
54.	
55.	
56.	
57.	
58.	



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 14 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Continued manual cutting in area 12 approximately 90% to date

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Edwards, George (SUXOS)		72	0
TEC III Rogaliner, Richard	931-237-0271	72	8
TEC III Egbert, Robert		72	8
TEC II Morgan, Robin		72	0
TEC I McCoig		72	8
TEC 1 Fite, Jody		72	0
TEC 1 Gay, Justin		72	0
TEC II Capano, John		64	8
TEC II Brown, Kenneth		72	8
TEC 1 Gollusico, Michael		72	0

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	51
Crew Cab Pick Up	Ford 350	Team 1	32
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	
Open Trailer		Brush Tl	
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Shonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		

COMMENTS (Issues, Action Items, Notifications ect.):

Operations planned for Monday 18 Nov.

Continued manual and mechanical cutting in area 12 with one 4 man team.



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		023			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/18/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Clear, cool		PM WEATHER:	Clear, warm, sunny.		MAX TEMP (F):	65	MIN TEMP (F):	51

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction started in DSA 5. Transects are separated by a series of dirt mounds running length of DSA and access is difficult.

DSA1 was QC'd and additional vegetation reduction in 2 transects was required. DSA1 and is now complete.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Slips, trips and falls, pinch points, equipment operations safety distances, travel to and from Sayreville side.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	24	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with vegetation reduction and surface clearance. VARGO to begin surveying				
Planned Work / Test for Tomorrow: Vegetation reduction, surface sweeps, and surveying				
Planned Work / Test for Next Week: None- Holiday Break.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Marsh Master to arrive onsite 11-19-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				11/18/13	
				PREPARER'S SIGNATURE	
				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/18/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 023	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cool		PM WEATHER: Clear / cool		MAX TEMP: 66 °F	
				MIN TEMP: 58 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction started in DSA 5. The following transects were completed: T30DSA5-4 & T30DSA5-5. The following transects were started: T30DSA5-1, T30DSA5-2, T30DSA5-3, T30DSA5-6, TDSA5-22, TDSA5-23, TDSA5-24. The area is compartmentalized by earth berms so transects are being cut in sections inside of the berm areas.					
DSA1 required more vegetation reduction in 2 transects and is now complete.					
	Was A Job Safety Meeting Held This Date?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	24
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	40
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	64
				<i>Cumulative Total of Work Hours From Previous Report</i>	3535
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total Work Hours From Start of Construction	3599
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	8	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	8	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	0	8	
Pick-up truck	Chevrolet Silverado	Mike Malko	8	0	
SUV	Ford Edge	Chris Rose	8	0	
Office Trailer	ModSpace	Jonathan Waldron	8	0	
Generator	Ingersol Rand	Jonathan Waldron	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Portable toilet	Satellite Industries	Chris Rose	8	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	8	
Trailer	EZDumper	Jonathan Waldron	0	8	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (<i>OSHA report, confined space entry permit, incident reports, etc.</i>):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/18/2013

LOCATION OF WORK: DSA #3, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 51°F MAX: 64°F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE began vegetation removal in DSA #5
CH2M Hill's subcontractor USAE continued vegetation removal in DSA #1 clearing transects

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team.
QC Inspection of DSA 4 vegetation removal.

3. All work performed in conformance with Work Plan requirements? Yes
If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:
None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RI FS</u>		Location: <u>EDISON NJ</u>
Date: <u>11/18/2013</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: <u>VEGETATION REMOVAL</u>		
Attendees:	Print Name	Sign Name
	<u>M A MACKO</u>	<u>CH2MHILL</u>
	<u>Rick POGALINER</u>	<u>USAE</u>
	<u>Jason McCoig</u>	<u>USAE</u>
	<u>Brown, Kenneth</u>	<u>USAE</u>
	<u>John Capano</u>	<u>USAE</u>
	<u>Jim Ebert</u>	<u>USAE</u>
	<u>Chris Rose</u>	<u>CH2MHILL</u>
	<u>Jon Wolden</u>	<u>CH2M</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Vegetation reduction / remove</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Hand + power tools, GPS, 2-way radio, weed whackers</u>		
<u>Bobcat w/ brush hog attachment.</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>Potential UXO - MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print):

Signature:

Date:

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 003	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 18 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

manual and mechanical cutting in DSA#5 and DSA#1

[illegible]

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	
Open Trailer		Brush Tl	
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Shonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		

COMMENTS (Issues, Action Items, Notifications ect.):

Operations planned for Tuesday 19 Nov.

Continued manual and mechanical cleanup in area DSA 1 and began manual and mechanical cutting in area DSA 5 with one 4 man team.



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		024			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/19/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Clear, cool		PM WEATHER:	Clear, warm, sunny.		MAX TEMP (F):	48	MIN TEMP (F):	40

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction continued in DSA 5. The Marsh Master arrived on site at approximately 10300 AM. The operator was given an initial site and safety briefing and began work. The Marsh Master completed the vegetation reduction in DSA 1 and DSA 2.

VARGO began surveying in DSA 2, DSA 3 and Area 12

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Marsh Master operations, Emergency procedures in the field, spills, PPE, Hydration, pinch points and equipment maintenance.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	30	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None

APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with vegetation reduction and surface clearance. VARGO to continue surveying				
Planned Work / Test for Tomorrow: Vegetation reduction, surface sweeps, and surveying				
Planned Work / Test for Next Week: None- Holiday Break.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
				No. of Drums	NA
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Marsh Master onsite 11-19-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				11/19/13	
				PREPARER'S SIGNATURE	
				DATE	

Photographs of Marsh Master
Marsh Master Arrives onsite 11-19-13




Marsh Master Operations in DSA1 Transect 9



Marsh Master Operations in DSA#1- Transect 10



APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/19/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 024	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear, breezy / cold		PM WEATHER: Clear, breezy / cold		MAX TEMP: 48 °F	
				MIN TEMP: 42 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction continued in DSA 5. The following transects were completed: TDSA5-12, TDSA5-13, TDSA5-14, TDSA5-15, TDSA5-16, TDSA5-24, TDSA5-25, T30DSA5-1, The Marsh Master arrived on site at approximately 10:00 AM. The operator was given an initial site and safety briefing and began work. The Marsh Master completed the vegetation reduction in DSA 1 and DSA 2.					
The following points were surveyed: DSA2: 1A, 2A, 3A, 5B, 6B, 7A & B AND 8B; DSA3: 10A, 11A, 12A AND 13A; Area 12: 18A, B, C, D, E & F, 19 A & , B, 20 A & B, 21 A & b, 22 A & B, 23 A & B, 24 A & B AND 25 A & B.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	30
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	77
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	107
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	3599
			Total Work Hours From Start of Construction	3706	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	10	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	10	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	10	
Trailer	EZDumper	Jonathan Waldron	0	10	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/19/2013

LOCATION OF WORK: DSA-1, DSA-2, DSA-3, DSA-5, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 41 °F MAX: 46 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE continued vegetation removal in DSA-5, DSA-1, and DSA-2. The Marsh Master Cutter arrived today and made quick work of the heavy matted vegetation in DSA-2.

CH2M Hill's Subcontractor Vargo continued transect stake out in DSA-1, DSA-2, DSA-3 and Area 12.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team.

QC Inspection of DSA 5 vegetation removal.

QC Inspection of surface clearance DSA-5

Blind Seeding of DSA 1 and DSA 2.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Rantin Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>11/19/13</u>		
Supervisor: <u>C. Rose</u>		Job:
Activity: <u>Vegetation Reduction</u>		

Attendees:	Print Name	Signature
	<u>Jonathan Walden</u>	<u>CH2M</u>
	<u>Jason McCois</u>	<u>USAE</u>
	<u>Tom Ebert</u>	<u>USAG</u>
	<u>John Capno</u>	<u>USAE</u>
	<u>Rich Kucaliner</u>	<u>USAE</u>
	<u>Chris Rose</u>	<u>CH2M</u>
	<u>MICHAEL MALKO</u>	<u>CHAM</u>

List Tasks and verify that applicable AHAs have been reviewed:

Surveying, Vegetation Reduction, Surface Clearance

Marsh Master operations

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

Hand + Power tools (chainsaw, weed whacker) Bobcat w/ Brush hog

4x4 UTV, Marsh master

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO-MEC

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Dirt mounds in DSA # 5 preventing easy access to areas.

Name (Print):

Signature:

Date:

Vergo - PHIL SCHAEFFER
James C. Schaeffer



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 004	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 19 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Continued mechanical cutting in areas DSA 1, DSA 2 utilizing Marsh Master and manual and mechanical cutting utilizing Bobcat and personnel in DSA 5. Began surface sweep operations in DSA 5.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	95
DSA 2	99	75
DSA 3	75	?
DSA 4	?	?
DSA 5	45	5
DSA 6	?	?
10	100	100
12	60	?
13	?	?
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	88	10
TEC III Egbert, Robert		88	10
TEC 1 McCoig		88	10
TEC II Capano, John		80	10
TEC II Brown, Kenneth		88	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	
Marsh Master Brush Cutter			
Open Trailer		Brush T1	
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Shonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): Operations planned for Wednesday 20 Nov. Have begun 10 hour workdays as of 19 Nov 2013. Marsh Master brush cutting machine arrived on site with operator at approximately 10:30 am.			

CH2MHILL				SUB CONTRACTOR DAILY REPORT VARGO ASSOCIATES			
CONTRACT NAME:	USA CE WERS		REPORT NUMBER:	13067-04			
CONTRACT NUMBER:	W912DY-09-D-0060		REPORT DATE:	11/19/13			
TASK ORDER NUMBER:	003		PROJET NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:	427946		PROJECT DESCRIPTION:	Remedial Investigation			
PROJECT MANAGER:	MIKE VARGO		FIELD TEAM LEADER	PHIL SCHAEFFER			
SUMMARY OF WORK PERFORMED TODAY							
GPS LAYOUT IN AREAS 2 & 12							
WORK FORCE – SUBCONTRACTOR – VARGO							
Company/Employee Name		Contact Number/ Information		Cumulative Total of Work Hours From Previous Report		Total Hours Today	
Constantine, Ed							
Kinsey, Tara							
Lawyer, Lori							
Ledden, Al							
Panichelli, Mike							
✓	Quirin, Jim	(856) 701-8426		9.25 HR.		9.25 HR	
✓	Schaeffer, Phil	SAME				SAME	
Vargo, Bob							
VEHICLES							
Description	Make/Model	Tag #	VIN #	Mileage/Hour START	Mileage/Hour END	VARGO ID #	
✓ Truck	Ford F-150	XP-637D	1FTPW14548FA34055			8	
✓ Truck	Ford F-150	XG323C	1FTPW14546KC78907			6	
✓ Truck	Ford F-150	XJ874T	1FTPX14V66NB84703			7	
✓ Truck	Sprinter Van	XF-665V	WD0PD644555850985			Sprinter	
✓ Trailer							
✓ Trailer							
✓ Argo	Argo 750 HDi		2DGSS0BP5DNP34591			Argo	
EQUIPMENT							
Description	Make/ Model	Serial #	VARGO ID #				
GNSS Receiver	Trimble / R7	5236K24659	R7-1				
GNSS Receiver	Trimble / R7	5236K24678	R7-2				
GPS Receiver	Trimble / 5700	0220296567	Base 2				
GPS Receiver	Trimble / 5700	0220271147	Rover 1				
GNSS Antenna	Trimble / Zepher Geodetic ROHS	7000110608	ZG-1				
GNSS Antenna	Trimble / Zepher Geodetic ROHS	7000110604	ZG-2				
GPS Antenna	Trimble / Zepher Geodetic	12368869	ZG-3				
GPS Antenna	Trimble / Zepher Geodetic	12322735	ZG-4				
✓ Real-time GNSS Receiver	Trimble / R10 GNSS	5246415533	R10				
✓ Data Collector	Trimble / TSC3	RS1CC25819	TSC3				
✓ Real-time GNSS Data Phone	Samsung / SCH-U660	SKU: SCHU660CNV	Samsung – Orange				
Sub-Meter GNSS Receiver	Trimble / PRO 6H	5235423061	Green-2				
Data Collector	Trimble / TSC2	SS17A10179	Green-2				
✓ Sub-Meter GNSS Data Phone			Phil Phone				
Sub-Meter GNSS Receiver	Trimble / PRO 6H	5235423221	Blue-1				
Data Collector	Trimble / Ranger		Blue-1				
Sub-Meter GNSS Data Phone			Allen Phone				

APPENDIX F - DAILY REPORTS

TOTAL STATIONS			
Description	Make/ Model	Serial #	VARGO ID #
Robotic Total Station	Trimble / S6	92712509	ROBO
Data Collector	Trimble / TSC2	SS32C04225	ROBO
✓ Total Station	Leica / 12004	268308	JQ
✓ Data Collector	Trimble / Ranger	SS12A07095	JQ
Total Station	Leica / 12004	268949	MP
Data Collector	Trimble / Ranger	SS12A07123	MP
Total Station	Leica / 12004	236205	XTRA
Data Collector	Trimble / Ranger	SS12A07224	XTRA
DIGITAL LEVELS			
Description	Make/ Model	Serial #	VARGO ID #
Digital Levels	Leica / Sprinter 250M	2211072	Truck 7
✓ Digital Levels	Leica / Sprinter 250M	2211074	Truck 6
Digital Levels	Leica / Sprinter 150M	2100476	Truck 8
Digital Levels			
✓ Two-way Radio	Kenwood / TK3360	B2B03855	
✓ Two-way Radio	Kenwood / TK3360	B2B03846	
Two-way Radio	Kenwood / TK3360	B2B03848	
Two-way Radio	Kenwood / TK3360	B2B03853	
Two-way Radio	Kenwood / TK3360	B2B03851	
Two-way Radio	Kenwood / TK3360	B2B03849	
Two-way Radio	Kenwood / TK3360	B2B03854	
Two-way Radio	Kenwood / TK3360		
Two-way Radio	Kenwood / TK3360		
Two-way Radio	Motorola PR400	442TLQ4330	1
Two-way Radio	Motorola PR400	442TLQ4340	2
Two-way Radio	Motorola PR400	442TLQ4345	JQ
Two-way Radio	Motorola PR400	442TLQ4339	MP



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		025	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/20/13	
REVISION NUMBER:		1		REVISION DATE:		10/30/13	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Clear, cold	PM WEATHER:	Clear, cold.	MAX TEMP (F):	46	MIN TEMP (F):	30
SUMMARY OF WORK PERFORMED TODAY							
Vegetation reduction was completed in DSA 3. Vegetation reduction continued in DSA 5 and Area 12. The UXO surface sweep was completed in DSA 1 and 2 and was started in DSA 5. VARGO completed surveying in DSA 1 & DSA 2 and continued in Area 12. Sandra Pietto and Heather Sullivan visited the project site.							
HEALTH AND SAFETY REPORT							
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.							
TAILGATE TOPICS: Marsh Master & Bobcat w/bush hog operations, Hand & power tools.							
SAFE BEHAVIOR OBSERVATIONS: None for today							
OPERATIONS / PRODUCTION REPORT							
WORK FORCE – CONTRACTOR AND SUBCONTRACTOR							
Company		Cumulative Total of Work Hours From Previous Report		Total Hours Today on site			
CH2M HILL		See attached		27			
See Attached for Subcontractor operations and production report							
EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
ARGO (NAEVA rented piece of equipment)		ARGO				CH2M HILL	
Job Trailer (Modspace rental)		ModSpace 10'x44'		291159		CH2M HILL	
Generator (Sunbelt Rental)		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400				CH2M HILL	
Metal detector		Schonsted				CH2M HILL	
GPS Equipment		Trimbel Geo XH 6000				CH2M HILL	
Bob Cat UTV (Sunbelt Rental)		Bob Cat 3400		31455		CH2M HILL	
Double axel trailer for UTV (Sunbelt Rental)		Sunbelt rentals/Dumper		186970		CH2M HILL	
Trialer for Argo (NAEVA rented piece of equipment)		Leonard		660		CH2M HILL	
COMMENTS (acceptance status, inspection findings, etc.): None							

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with vegetation reduction and surface clearance. VARGO to continue surveying				
Planned Work / Test for Tomorrow: Vegetation reduction, surface sweeps, and surveying				
Planned Work / Test for Next Week: None- Holiday Break.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonstedt inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonstedt	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none

SUBMITTALS INSPECTION / REVIEW

Submittal No.	Submittal Description	Specification/Plan Reference	Submittal Approved?		Comment/Reason/Action
NA			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	

REGULATORY COMPLIANCE REPORT

PERMIT INSPECTIONS PERFORMED: NA

WASTE ACCUMULATION/STOCKPILE AREA INSPECTION

Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA

Inspection Results: NA

GENERAL COMMENTS

General Comments~ (rework, directives, etc.): Marsh Master onsite 11-19-13

ATTACHMENTS

List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.

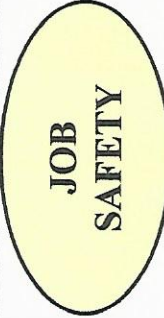
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.

Chris Rose

11/20/13

PREPARER'S SIGNATURE

DATE

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/20/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 025	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear, breezy / cold		PM WEATHER: Clear, breezy / cold		MAX TEMP: 46 °F	
				MIN TEMP: 30 °F	
SUMMARY OF WORK PERFORMED TODAY					
The surface sweep and surveying in DSA 1 and DSA 2 was completed.					
Vegetation reduction was completed in DSA 3.					
Vegetation reduction continued in DSA 5. The following transects were completed: TDSA5-17, TDSA5-18 and TDSA5-19, The UXO surface sweep of DSA 5 was started. The UXO surface sweep was completed on the following transects: 12, 13, 14, 15, 16, 17, 18, 19 25 and T30-DSA 5-1.					
The following points were surveyed: Area 12: 5A, 6A, 7A, 7B, 8A, 8B, 9A and 9B.					
Sandra Pietro and Heather Sullivan of the USACE visited the site and were given a tour of the Arsenal side of the project site.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	27
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	88
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	115
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	3706
			Total Work Hours From Start of Construction	3821	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
Utility Vehicle	Argo	Mike Malko	0	8	
Trailer	Leonard	Mike Malko	0	8	
GPS	Trimble Geo XH	Mike Malko	10	0	
Pick-up Truck	Dodge Ram 1500	Jonathan Waldron	7	0	
Pick-up truck	Chevrolet Silverado	Mike Malko	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Utility Vehicle	Bobcat	Jonathan Waldron	0	10	
Trailer	EZDumper	Jonathan Waldron	0	10	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE: USACE: Sandra Pietro, Heather Sullivan					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

APPENDIX F - DAILY REPORTS

VISITORS TO THE SITE: USACE: Sandra Piettro, Heather Sullivan

LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 11/20/2013

LOCATION OF WORK: DSA-1, DSA-2, DSA-3, DSA-5, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal, Surface Clearance

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 30 °F MAX: 44 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE continued vegetation removal in DSA-3. DSA-5 and Area 12 The Marsh Master Cutter was stuck in the mud @ 15:15 and was freed @ 16:15 and was then loaded on the trailer

CH2M Hill's subcontractor USAE completed the surface clearance of DSA-1 and DSA-2.

CH2M Hill's Subcontractor Vargo continued transect stake out in DSA-1, DSA-2, and Area 12.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team and surface clearance team.

QC Inspection of DSA 1 Surface Clearance

QC Inspection of DSA 2 Surface Clearance

Blind Seeding of DSA 1 (DGM) Blind seeding of DSA-1 and DSA-2 (surface clearance),

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 11-20-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

• Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance Dredge Spoil Area 1
Rose, Chris
Malko, Michael
Rogaliner, Richard
Egbert, Robert
McCoig, Jason
Capano, John

INSPECTIONS PERFORMED & WHO PERFORMED TEST

UXOQC Monitored work practice and procedures of the Surface Clearance Team to insure compliance with Work Plan APP and SOP
All Shonstedts were tested for a response on an ISO seed item prior to use.
An instrument assisted visual inspection of over 30 % of the total area of DSA-1 and DSA-2 was performed by the UXOQC.
All surface blind seeds place in the area were recovered, accounted for, and returned to the UXOQC.
Only one discrepancy was found in DSA 1 Transect T3DSA-4 (24" rebar) and one in DSA-2 Transect TDSA-7 (6" bolt). This did not meet the failure criteria as outlined in the Work Plan Paragraph 4.11.3 Surface Clearance Failure.



11-20-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Roseton Arsenal</u>		Location: <u>Edison, NJ</u>	
Date: <u>11/20/13</u>			
Supervisor: <u>C. Rose</u>		Job	
Activity: <u>Vegetation Reduction and Surface Clearance</u>			

Attendees:	Print Name	CH2M	Sign Name
	<u>Chris Rose</u>	<u>CH2M</u>	<u>Chris Rose</u>
	<u>Jon Walden</u>	<u>CH2M</u>	<u>Jon Walden</u>
	<u>Jason McLois</u>	<u>USAE</u>	<u>Jason McLois</u>
	<u>Brown, Kenneth</u>	<u>USAE</u>	<u>Brown, Kenneth</u>
	<u>Capano, John</u>	<u>USAE</u>	<u>Capano, John</u>
	<u>Jon Eybert</u>	<u>USAE</u>	<u>Jon Eybert</u>
	<u>Tyler Carlson</u>	<u>IMM</u>	<u>Tyler Carlson</u>
	<u>Mike Malke</u>	<u>CH2M</u>	<u>Mike Malke</u>
	<u>Rick Peralta</u>	<u>USAE</u>	<u>Rick Peralta</u>

List Tasks and verify that applicable AHAs have been reviewed:

Marsh Master and bob cat operations, hand + power tools

Vegetation Reduction and Surface Clearance

Survey.

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

Marsh Master, Bobcat w/brush hog, hand + power tools

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input checked="" type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO - MEC

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <i>cold</i> <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <i>dust</i> <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <i>Marsh Meter operations working according to plan</i>			

Name (Print): Jan Waldron
 Signature: [Signature]

Date: 11/20/13

Chris J. Slaughter
Jan Chen > **VARGO**



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 005	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 20 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Completed surface sweep in areas DSA 1 & DSA 2, completed brush cutting in DSA 3 & continued brush cutting in Area 12 utilizing Marsh Master, and continued manual and mechanical cutting utilizing Bobcat and personnel in DSA 5. Continued surface sweep operations in DSA 5.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	0
DSA 4	0	0
DSA 5	65	20
DSA 6	0	0
10	100	100
12	90	0
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	98	10
TEC III Egbert, Robert		98	10
TEC I McCoig		98	10
TEC II Capano, John		90	10
TEC II Brown, Kenneth		98	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	
Marsh Master Brush Cutter			
Open Trailer		Brush T1	
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Shonstedt	N/A	
Camera Field Digital w/GPS (1)	Nikon		
Radio w/Charger (8)	Motorola		

COMMENTS (Issues, Action Items, Notifications ect.):

Operations planned for Thursday 21 Nov. Activities projected include completing cutting in Area 12 and DSA 5, with the possibility of including DSA 6. Surface sweeps to continue in DSA 5.

Have begun 10 hour workdays as of 19 Nov 2013.

Marsh Master brush cutting machine stuck in mud/water combination along river in Area 12 at approximately 1500 hrs. Lost productivity time= 1 hr.

Bobcat brush cutter can be picked up tomorrow, as well as both trailers.

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SUB CONTRACTOR DAILY REPORT

VARGO ASSOCIATES

CONTRACT NAME:	USACE WERS	REPORT NUMBER:	13067-05
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	11/20/13
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	MIKE VARGO	FIELD TEAM LEADER:	PHIL SCHAEFFER

SUMMARY OF WORK PERFORMED TODAY

GPS LAYOUT AREAS 1, 2 & 12

WORK FORCE - SUBCONTRACTOR - VARGO

Company/Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
Constantine, Ed			
Kinsey, Tara			
Lawyer, Lori			
Ledden, Al			
Panichelli, Mike			
✓ Quirin, Jim	(856) 701-8426	33.75	9 HR
✓ Schaeffer, Phil	SAME	43.75	9 HR
Vargo, Bob			

VEHICLES

Description	Make/Model	Tag #	VIN #	Mileage/Hour START	Mileage/Hour END	VARGO ID #
Truck	Ford F-150	XP-637D	1FTPW14548FA34055			8
✓ Truck	Ford F-150	XG323C	1FTPW14546KC78907	235053		6
Truck	Ford F-150	XJ874T	1FTPX14V66NB84703			7
Truck	Sprinter Van	XF-665V	WD0PD644555850985			Sprinter
Trailer						
✓ Trailer						
✓ Argo	Argo 750 HDi		2DGSS0BP5DNP34591			Argo

EQUIPMENT

Description	Make/ Model	Serial #	VARGO ID #
GNSS Receiver	Trimble / R7	5236K24659	R7-1
GNSS Receiver	Trimble / R7	5236K24678	R7-2
GPS Receiver	Trimble / 5700	0220296567	Base 2
GPS Receiver	Trimble / 5700	0220271147	Rover 1
GNSS Antenna	Trimble / Zepher Geodetic ROHS	7000110608	ZG-1
GNSS Antenna	Trimble / Zepher Geodetic ROHS	7000110604	ZG-2
GPS Antenna	Trimble / Zepher Geodetic	12368869	ZG-3
GPS Antenna	Trimble / Zepher Geodetic	12322735	ZG-4
✓ Real-time GNSS Receiver	Trimble / R10 GNSS	5246415533	R10
✓ Data Collector	Trimble / TSC3	RS1CC25819	TSC3
✓ Real-time GNSS Data Phone	Samsung / SCH-U660	SKU: SCHU660CNV	Samsung - Orange
Sub-Meter GNSS Receiver	Trimble / PRO 6H	5235423061	Green-2
Data Collector	Trimble / TSC2	SS17A10179	Green-2
✓ Sub-Meter GNSS Data Phone			Phil Phone
Sub-Meter GNSS Receiver	Trimble / PRO 6H	5235423221	Blue-1
Data Collector	Trimble / Ranger		Blue-1
Sub-Meter GNSS Data Phone			Allen Phone

APPENDIX F - DAILY REPORTS

TOTAL STATIONS			
Description	Make/ Model	Serial #	VARGO ID #
Robotic Total Station	Trimble / S6	92712509	ROBO
Data Collector	Trimble / TSC2	SS32C04225	ROBO
✓ Total Station	Leica / 12004	268308	JQ
✓ Data Collector	Trimble / Ranger	SS12A07095	JQ
Total Station	Leica / 12004	268949	MP
Data Collector	Trimble / Ranger	SS12A07123	MP
Total Station	Leica / 12004	236205	XTRA
Data Collector	Trimble / Ranger	SS12A07224	XTRA
DIGITAL LEVELS			
Description	Make/ Model	Serial #	VARGO ID #
Digital Levels	Leica / Sprinter 250M	2211072	Truck 7
✓ Digital Levels	Leica / Sprinter 250M	2211074	Truck 6
Digital Levels	Leica / Sprinter 150M	2100476	Truck 8
Digital Levels			
✓ Two-way Radio	Kenwood / TK3360	B2B03855	
✓ Two-way Radio	Kenwood / TK3360	B2B03846	
Two-way Radio	Kenwood / TK3360	B2B03848	
Two-way Radio	Kenwood / TK3360	B2B03853	
Two-way Radio	Kenwood / TK3360	B2B03851	
Two-way Radio	Kenwood / TK3360	B2B03849	
Two-way Radio	Kenwood / TK3360	B2B03854	
Two-way Radio	Kenwood / TK3360		
Two-way Radio	Kenwood / TK3360		
Two-way Radio	Motorola PR400	442TLQ4330	1
Two-way Radio	Motorola PR400	442TLQ4340	2
Two-way Radio	Motorola PR400	442TLQ4345	JQ
Two-way Radio	Motorola PR400	442TLQ4339	MP



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		026			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		11/21/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, cool.		MAX TEMP (F):	50	MIN TEMP (F):	34

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction continued in DSA 5.
The UXO surface sweep continued in DSA 5.
VARGO completed surveying in DSA 3 and Area 12.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Marsh Master, Hand & power tools, Slips trips & falls, RTK, Schonstedts.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	20	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
ARGO (NAEVA rented piece of equipment)	ARGO		CH2M HILL
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS

Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with vegetation reduction and surface clearance. VARGO to continue surveying

Planned Work / Test for Tomorrow: Vegetation reduction, surface sweeps.

Planned Work / Test for Next Week: None- Holiday Break.

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None encountered for today.

VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting

QUALITY CONTROL REPORT

MATERIALS DELIVERED TO JOB SITE

Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			

COMMENTS (acceptance status, inspection findings, etc.): Pass

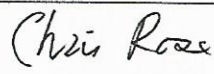
INSPECTIONS PERFORMED

Task/Activity Inspected	Inspection Performed	Findings
Schonstedt inspection	Daily/Serviceability	Pass
GPS Equipment	Daily/Serviceability	Pass
Generator	Daily/ Serviceability	Pass
Fire Extinguishers	Monthly	Pass
First Aid Kit	Monthly	Pass
Bob Cat / ARGO	Daily/Weekly	Pass
Field Vehicles	Daily/Weekly	Pass

TESTS PERFORMED

Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria
GPS equipment	Function and accuracy test	Pass
Schonstedt	QC check	Pass
Site communication/ Radio	Radio Check	Pass

APPENDIX F - DAILY REPORTS

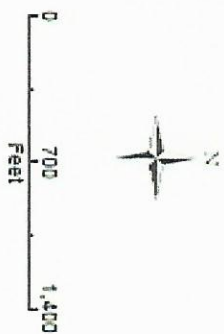
QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference	Submittal Approved?		Comment/Reason/Action
NA			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
				No. of Drums	NA
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Hector Mosley of the USACE visited the project site to take video for a USACE Public Affairs presentation..					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.					11/21/13
			PREPARER'S SIGNATURE		DATE

APPENDIX F - DAILY REPORTS




LEGEND

- Transect Coordinate Point
- Former Raritan Arsenal Boundary
- Dredge Spoils Area
- Location of MEC Operations
- OB/OD Kickout Boundary
- DGM Transects - 100m Interval
- DGM Transects - 30m Interval
- Local Road
- Railroads
- Historical Railroads
- Surface Groutage Complete
- Vegetation Removal Complete



DSA 5
DSA DGM Transects
RUFs Work Plan
Former Raritan Arsenal, Edison, NJ

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 11/21/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 026	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cool		MAX TEMP: 50 °F	
				MIN TEMP: 34 °F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction continued in DSA 5. The following transects were completed: TDSA5-20, TDSA5-21, TDSA5-22 and TDSA5-23, The UXO surface sweep of DSA 5 continued.. The UXO surface sweep was completed on the following transects: 22, 23, 24 and T30-DSA 5-2, T30-DSA 5-3, T30-DSA 5-4, T30-DSA 5-5 and portions of T30-DSA 5-6					
Land surveying was completed in DSA 3 and Area 12.					
Hector Mosley of the USACE visited the site to take video for a USACE Public Affairs presentation.					
	Was A Job Safety Meeting Held This Date?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)					
CH2M HILL On-Site Hours				20	
Subcontractor On-Site Hours				90	
Total On-Site Hours This Date				110	
<i>Cumulative Total of Work Hours From Previous Report</i>				3821	
Total Work Hours From Start of Construction				3931	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	10	0
Utility Vehicle		Argo	Mike Malko	0	8
Trailer		Leonard	Mike Malko	0	8
GPS		Trimble Geo XH	Mike Malko	10	0
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	0	10
Pick-up truck		Chevrolet Silverado	Mike Malko	10	0
SUV		Ford Edge	Chris Rose	10	0
Office Trailer		ModSpace	Jonathan Waldron	10	0
Generator		Ingersol Rand	Jonathan Waldron	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE: USACE: Sandra Pietro, Hector Mosley					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

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Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RIPPER ARIZONA</u>		Location: _____
Date: <u>21 NOV 13</u>		
Supervisor: <u>CHRIS ROSE</u>		Job _____
Activity: <u>SURFACE CLEARANCE</u> <u>VEGETATION REMOVAL</u> <u>TRANSECT LAY OUT & SURVEY</u>		
Attendees:	<u>Chris Rose</u> Print Name	<u>Chris Rose</u> Sign Name
	<u>Jason Wagner</u>	<u>Jason Wagner</u>
	<u>Tyler Carlson</u>	<u>Tyler Carlson</u>
	<u>Kurt Ehrhart</u>	<u>Kurt Ehrhart</u>
	<u>Jason McCoig</u>	<u>Jason McCoig</u>
	<u>Brown, Kenneth</u>	<u>Brown, Kenneth</u>
	<u>John Capano</u>	<u>John Capano</u>
	<u>Jim Esport</u>	<u>Jim Esport</u>
	<u>M A MALIK</u>	<u>M A MALIK</u>
	<u>Edie Rocaliner</u>	<u>Edie Rocaliner</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>AHA'S REVIEWED</u> <u>VEGETATION REMOVAL</u> <u>SURFACE CLEARANCE</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>MARSH MASTER</u> <u>RTK</u> <u>TOTAL STATIC</u> <u>SHOW STEPS</u> <u>HAND TOOLS</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe): <u>None</u> <u>None</u> <u>None</u> <u>None</u> <u>None</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): M A MALKS
 Signature: [Signature]

Date: 21 Nov 13

DAILY QC REPORT

Project: RI/FS Former Raritan Arsenal Date: 11/21/2013

LOCATION OF WORK: DSA-3, DSA-5, Area 12,

DESCRIPTION OF WORK: Transect layout and marking, Vegetation Removal, Surface Clearance

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 34 °F MAX: 50 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE continued vegetation removal in DSA-5.

CH2M Hill's subcontractor USAE continued the surface clearance of DSA-5

CH2M Hill's Subcontractor Vargo continued transect stake out in DSA-3 and Area 12...

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of vegetation removal team and surface clearance team.

QC Inspection of DSA 3 Transect/Boundary Stake Out

QC Inspection of Area 12 Transect/Boundary Stake Out

Blind Seeding of Area 12 and DSA 3 (DGM) Blind seeding of DSA-5 (surface clearance),

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 006	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 21 Nov 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Completed surface sweep in areas DSA 1 & DSA 2, completed brush cutting in DSA 3 & continued brush cutting in Area 12 utilizing Marsh Master, and continued manual and mechanical cutting utilizing Bobcat and personnel in DSA 5. Continued surface sweep operations in DSA 5.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	0
DSA 4	0	0
DSA 5	75	45
DSA 6	0	0
10	100	100
12	100	0
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	108	10
TEC III Egbert, Robert		108	10
TEC I McCoig		108	10
TEC II Capano, John		100	10
TEC II Brown, Kenneth		108	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Skid Steer with Cutter Head	Bobcat 180	Bobcat 2	
Marsh Master Brush Cutter			
Open Trailer		Brush T1	
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Shonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): <p>Operations planned for Friday 22 Nov. Activities projected include completing cutting in DSA 5, with the possibility of including DSA 6. Surface sweeps to continue in DSA 5.</p> <p>Have begun 10 hour workdays as of 19 Nov 2013.</p> <p>Marsh Master brush cutting machine had to resume transport to and complete work in Area 12 (due to being stuck in mud on 20 Nov 2013) to include transit to and unloading with cross country travel to remaining areas to cut, then loading, transit across river to DSA 5, find location for entry, download. Lost productivity time= 4 hrs.</p> <p>DSA 5 vegetation is heavier and more compacted than other previous task sites, with multiple berms and canals throughout, causing a longer duration to clear.</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		028			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/02/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	overcast, cold		PM WEATHER:	Overcast, cool		MAX TEMP (F):	52	MIN TEMP (F):	39

SUMMARY OF WORK PERFORMED TODAY

The UXO surface sweep of DSA 3 was completed and the UXO surface sweep of Area 12 was started.
VARGO began surveying in DSA 5
NAEVA to arrive on site 12/3/13

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted: Daily inspections of Equipment onsite.

TAILGATE TOPICS: Cold weather, hydration, slips, trips and falls, working in wet areas and exposure, housekeeping

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	30	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

COMMENTS (acceptance status, inspection findings, etc.): None


APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance. VARGO to continue surveying				
Planned Work / Test for Tomorrow: Surface sweeps, Island vegetation reduction and clearance, NAEVA to arrive onsite and set up IVS and begin DGM.				
Planned Work / Test for Next Week: DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none					
SUBMITTALS INSPECTION / REVIEW					
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
REGULATORY COMPLIANCE REPORT					
PERMIT INSPECTIONS PERFORMED: NA					
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION					
Inspection Performed By:		NA		Signature of Inspector: NA	
Accumulation / Stockpile Area Inspected:		NA			
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA
No. of Drums NA					
Inspection Results: NA					
GENERAL COMMENTS					
General Comments~ (rework, directives, etc.): Marsh Master onsite 11-19-13					
ATTACHMENTS					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.					
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron	
				12/02/13	
				PREPARER'S SIGNATURE	
				DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/2/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 028	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cool		MAX TEMP: 52°F	
				MIN TEMP: 39 °F	
SUMMARY OF WORK PERFORMED TODAY					
The UXO surface sweep of DSA 3 was completed. The UXO surface sweep of Area 12 was started and the following transects were completed: 23, 24 and 25. Surveying was started in DSA 5 with the following transects were completed: 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 , 20 and 21					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	
			Total Work Hours From Start of Construction		4157
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED IDLE REPAIR	
GPS		Trimble Geo XH	Chris Rose	10 0	
Utility Vehicle		Argo	Mike Malko	0 8	
Trailer		Leonard	Mike Malko	0 8	
GPS		Trimble Geo XH	Mike Malko	0 10	
Pick-up Truck		Dodge Ram 1500	Jonathan Waldron	10 0	
Pick-up truck		Chevrolet Silverado	Mike Malko	10 0	
SUV		Ford Edge	Chris Rose	10 0	
Office Trailer		ModSpace	Jonathan Waldron	10 0	
Generator		Ingersol Rand	Jonathan Waldron	10 0	
Portable toilet		Satellite Industries	Chris Rose	10 0	
Portable toilet		Satellite Industries	Chris Rose	10 0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/02/2013

LOCATION OF WORK: DSA-5, DSA-3

DESCRIPTION OF WORK: Transect layout and marking,, Surface Clearance

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 39 °F MAX: 52 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE began the surface clearance of Area 12.

CH2M Hill's subcontractor USAE completed the surface clearance of DSA-3

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team and transect survey team.

QC Inspection of DSA 3 Surface Clearance

Blind seeding of DSA-5 (terrestrial DGM),

Blind seeding of DSA-3 (surface clearance),

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 12-02-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance DSA-3
Rose, Chris
Malko, Michael
Rogaliner, Richard
Egbert, Robert
McCoig, Jason
Capano, John

INSPECTIONS PERFORMED & WHO PERFORMED TEST

UXOQC Monitored work practice and procedures of the Surface Clearance Team to insure compliance with Work Plan APP and SOP
All Shonstedts were tested for a response on an ISO seed item prior to use.
An instrument assisted visual inspection of Transects TDSA3-1 thru TDSA3-13 by the UXOQC. No discrepancies were found.
All surface blind seeds place in the area were recovered, accounted for, and returned to the UXOQC.



12-02-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RIFS RARITAN</u>		Location: <u>EDISON NJ</u>
Date: <u>02 DEC 13</u>		
Supervisor: <u>CHRIS ROSE</u>		Job: _____
Activity: <u>MUNITIONS RESPONSE INVESTIGATION</u>		
Attendees:	Print Name	Sign Name
	<u>Tom Egbert</u>	<u>[Signature]</u>
	<u>Brown Kenneth</u>	<u>[Signature]</u>
	<u>John Capano</u>	<u>[Signature]</u>
	<u>Jason McCaig</u>	<u>[Signature]</u>
	<u>Chris Rose</u>	<u>[Signature]</u>
	<u>Jon Walden</u>	<u>[Signature]</u>
	<u>Rick Roalinger</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>SURFACE CLEARANCE</u>		
<u>TRANSECT SURVEY</u>		
<u>[Signature]</u> <u>[Signature]</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>TRAFFIC, METAL WORKER (OTHER 3RD PARTY CONTRACTORS)</u>		

PHIL SCHAEFFER VARGO ASSOC. [Signature]
MIKE PANICHELL VARGO [Signature]

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by <input type="checkbox"/> TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): MA MALIK

Signature: *MA MALIK*

Date: 12-2-13

Andy Saffer



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 008	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 02 Dec 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Began and completed surface sweep operations in DSA 3, began surface sweep operations in Area 12.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4	0	0
DSA 5	90	75
DSA 6	100	0
10	100	100
12	100	15
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	128	10
TEC III Egbert, Robert		128	10
TEC I McCoig		128	10
TEC II Capano, John		120	10
TEC II Brown, Kenneth		128	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	55
Crew Cab Pick Up	Ford 350	Team 1	30
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): Operations planned to continue on Tuesday 03 Dec 2013. Activities projected include cutting in DSA 4, with the possibility of completing DSA 5. Surface sweeps to resume in Area 12 and possibly begin in DSA 4. Marsh Master brush cutting machine will return to operations on 03 Dec 2013 at approximately 0730 hrs, at the cyclic time for high tide. Operator and T2 escort will be assisted by boat to reach DSA 4 location (island).			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		029			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/03/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cold		PM WEATHER:	Overcast, cool		MAX TEMP (F):	53	MIN TEMP (F):	35

SUMMARY OF WORK PERFORMED TODAY

USA Environmental to begin vegetation reduction and surface clearance in DSA 4.
 USA Environmental continue surface clearance and transect brush clearing touch up work in Area 12.

NAEVA set up IVS in DSA 2 and run DGM on Transects 1, 2 and 3 in DSA 2.

Boat and Marsh Master stuck on DSA 4 during vegetation reduction operations due to low tide. Able to maneuver once tide came back in and safely exited DSA 4

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite.

Boat and Marsh Master stuck on island due to low tide. Boat and Marsh Master we able to operate once the tide came in again.

TAILGATE TOPICS: Water and drowning hazards, heavy lifting, hydration, pinch points, equipment maintenance, and good communications.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	49	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 4 and Area 12. NAEVA to set up IVS and begin DGM of DSA 2.				
Planned Work / Test for Tomorrow: USA Environmental to continue with vegetation reduction and clearance, NAEVA to continue with DGM.				
Planned Work / Test for Next Week: DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Support boat from Millers Launch and Marsh Master got stuck on DSA 4 during vegetation reduction late morning (10am) during low tide. Boat and Marsh Master remained stuck until high tide in the early evening (7pm). USA Environmental does not feel safe accessing DSA 4 (island) and site H&S concerns with getting stuck and remaining on island until nightfall and high tide. USA Environmental PM to contact CH2M Hill PM and discuss issues. Will not return to Island until communicated.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks:	NA	No of Roll-Off Boxes:	NA	No. of Drums:	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Continuing with daily operations and await answer on DSA 4 and DSA 6.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/03/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/3/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 029	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cool		MAX TEMP: 54°F	
				MIN TEMP: 37°F	
SUMMARY OF WORK PERFORMED TODAY					
The UXO surface sweep of Area 12 continued. The following transects were completed: 4, 6, 7, 8, 9, 15, 16, 17, 18, 19, 20, 21, 22, 11 C-D, 12 C-D, 13 E-F, 14 C-D and a portion of 5.					
The UXO surface sweep of DSA 4 was started. The following transects were completed: 13, 14, 15, and 16.					
Vegetation reduction of DSA 4 was started completing transects 13, 14, 15, 16 and part of 17.					
The DGM IVS was completed.					
The DGM of DSA 2 was started. The following transects were completed: 1, 2 and 3.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	49
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	115
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	151
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	4167
			Total Work Hours From Start of Construction	4311	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
				REPAIR	
GPS		Trimble Geo XH	Chris Rose	13	0
Utility Vehicle		Argo	Mike Malko	0	10
Trailer		Leonard	Mike Malko	0	10
GPS		Trimble Geo XH	Mike Malko	0	10
Pick-up Truck		Dodge Ram 2500	Jonathan Waldron	13	0
Pick-up truck		Dodge Ram 1500	Mike Malko	13	0
SUV		Ford Edge	Chris Rose	13	0
Office Trailer		ModSpace	Jonathan Waldron	13	0
Generator		Ingersol Rand	Jonathan Waldron	13	0
Portable toilet		Satellite Industries	Chris Rose	13	0
Portable toilet		Satellite Industries	Chris Rose	10	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): The Marsh Master became stuck in DSA 4 on Transect 13 at approximately 12:00 PM. The machine had to wait for the tide to come, 6:00 PM, to get moving again.					
The tending boat became stuck in DSA 4 near Transect 18. The boat was attempting to assist the Marsh Master while it was having mechanical problems as the tide was going out. The boat was stuck from 10:00 AM until 6:45 when the Marsh Master, assisted with the rising tide, was able to pull it out.					

APPENDIX F - DAILY REPORTS

VISITORS TO THE SITE:
LIST OF ATTACHMENTS <i>(OSHA report, confined space entry permit, incident reports, etc.):</i>

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/03/2013

LOCATION OF WORK: DSA-4, DSA-2 Area 12

DESCRIPTION OF WORK: Transect layout and marking,, Surface Clearance

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 39 °F MAX: 57 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE began the continued surface clearance of Area 12.

CH2M Hill's subcontractor USAE attempted vegetation removal on DSA 4.

CH2M Hill's subcontractor NAEVA established an Instrument Verification Strip in DSA 2 and began collection data on transects DSA2-1, 2 and 3

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team and transect survey team.

Blind seeding of DSA-12 (surface clearance),

Weekly QC conference call.

Establishment of IVS for terrestrial DGM.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

Vegetation removal and surface clearance of DSA-4 was attempted today with many problems. At high tide the ground surface was submerged under three feet of water. Both the safety boat and the Marsh Master became stuck in mud at low tide. Walking on the island is a near impossible feat and safety hazard due to the mud and semi liquid surface..

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison, NJ</u>	
Date: <u>12/3/13</u>			
Supervisor: <u>C. Rose</u>		Job	
Activity: <u>UXO investigation</u>			
Attendees:		Print Name	Sign Name
<u>See attached</u>			
List Tasks and verify that applicable AHAs have been reviewed:			
<u>Marshmaster, DGM setup, Surface Clearance, brush cutting</u>			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):			
<u>Marshmaster, GPS, hand tools, power tools, DGM equipment</u>			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics	
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash	
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress	
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard	
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications	
Other Potential Hazards (Describe):			
<u>UXO / MEC</u>			

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print): Jon Waldron
 Signature: [Signature]

Date: 12/3/13

12/3/13

[illegible]



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 009	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 03 Dec 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Began brush cutting and surface sweep operations in DSA 4, resumed surface sweep operations in Area 12.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4	30	30
DSA 5	90	75
DSA 6	100	0
10	100	100
12	100	60
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	138	10
TEC III Egbert, Robert		138	10
TEC I McCoig		138	10
TEC II Capano, John		130	10
TEC II Brown, Kenneth		138	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	55
Crew Cab Pick Up	Ford 350	Team 1	30
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (2)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
<p>COMMENTS (Issues, Action Items, Notifications ect.):</p> <p>Operations planned to continue on Wednesday 04 Dec 2013. Surface sweeps to resume in Area 12 and cutting and surface sweeps in DSA 5.</p> <p>Marsh Master brush cutting machine encountered mechanical problem at approximately 0730 hrs, at the cyclic time for high tide. Replacement part to arrive on the morrow. Rescue boat became grounded on island during tool transfer and delivery from mainland to Marsh Master for temporary repairs at 0900 hrs. Brush cutting operations began on DSA 4 at 0930 hrs. when river water receded to working level. Marsh Master stuck in mud on middle of island at 1230 hrs. All island operations on DSA 4 cannot continue, as rescue boat, Marsh Master and personnel stranded again until high tide in the evening. Marsh Master freed from mud at 1745 hrs, rescue boat freed from bank at 1845 hrs. Rescue boat tows Marsh Master to mainland, arrive 1905 hrs. All operations complete with equipment stored at EPA compound at 2015 hrs.</p> <p>Due to this being the second safety concern for island operations and stranded personnel leading into nighttime hours, operations will resume on mainland sides of river only until further coordination and planning is discussed if necessary.</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		030			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/04/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cold		PM WEATHER:	Overcast, cool		MAX TEMP (F):	52	MIN TEMP (F):	36

SUMMARY OF WORK PERFORMED TODAY

USA Environmental to continue vegetation reduction and surface clearance in DSA 5.
 NAEVA continues DGM in DSA 2 and starts DGM in DSA 3. Equipment issues forced early shutdown and data needs verified.
 Boat and Marsh Master off site for remainder of week.
 Marsh Master is down for repairs and taken back to CT. Will not be repaired and ready for operation until Monday, 12-9-13.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite.

SBO completed on ARGO and DGM operations for NAEVA

TAILGATE TOPICS: Slips, trips and falls, heavy lifting, working in wet areas and equipment protection, proper PPE and using 2-way radios for good communications. NO smoking on site.

SAFE BEHAVIOR OBSERVATIONS: DGM operations using ARGO

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	38	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL
Trailer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL


APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 5 and NAEVA continues DGM of DSA 2 and starts DGM in Area 3.				
Planned Work / Test for Tomorrow: Discuss path forward with USA Environmental for DSA 4 and DSA 6 regarding brush cutting and surface clearance. NAEVA to continue with DGM.				
Planned Work / Test for Next Week: DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Meeting scheduled for 12-5-13 regarding path forward on island areas. NAEVA had equipment failure with DGM unit and data needs to be QC'd to ensure data was not compromised. Towed array is down until NAEVA can arrive on 12-5-13 with replacement parts. NAEVA with go "man portable" in Area 10 and Area 18D on 12-5-13 until equipment is repaired.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat / ARGO	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

APPENDIX F - DAILY REPORTS

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks:	NA	No of Roll-Off Boxes:	NA	No. of Drums:	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Continuing with daily operations and await answer on DSA 4 and DSA 6.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/04/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/4/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 030	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cool		MAX TEMP: 50°F	
				MIN TEMP: 39°F	
SUMMARY OF WORK PERFORMED TODAY					
The UXO surface sweep of Area 12 was completed.					
Vegetation reduction of DSA 5 continued on transects T30-DSA5-7.					
The DGM of DSA 2 was completed.					
The DGM of DSA 3 was started. The following transects were completed: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13. An electrical problem occurred with the EM-61 occurred on Transect 2 and a portion of the transect may need to be mapped again.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	38
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	70
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	108
				<i>Cumulative Total of Work Hours From Previous Report</i>	4311
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	4419
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
Utility Vehicle	Argo	Mike Malko	0	10	
Trailer	Leonard	Mike Malko	0	10	
GPS	Trimble Geo XH	Mike Malko	0	10	
Pick-up Truck	Dodge Ram 2500	Jonathan Waldron	10	0	
Pick-up truck	Dodge Ram 1500	Mike Malko	10	0	
SUV	Ford Edge	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE: Sandra Pietto: USACE-New York					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/04/2013

LOCATION OF WORK: DSA-5, DSA-2 Area 12

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance,

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 44 °F MAX: 57 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed surface clearance of Area 12.

CH2M Hill's subcontractor USAE continued vegetation removal on DSA 5.

CH2M Hill's subcontractor in completed DGM survey of DSA 2 and competed 85% of DSA 3 before equipment failure.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team and transect survey team.

Blind seeding of DSA-12 (surface clearance),

Monitored work practice and procedures of DGM subcontractor.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

Equipment failure of the Marsh Master prevented mechanical vegetation removal in of DSA 5.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

HSSE
Target Zero
 World-Class Performance

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Former Raritan ArsenalDate: 12/4/13Location: Edison, NJSupervisor: C. RoseActivity: Brush cutting, DGM + Lane/Surface Clearance Job

Attendees: Print Name

Sign Name

See Attached

List Tasks and verify that applicable AHAs have been reviewed:

DGM of Areas, Continue Brush cutting and lane clearance

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

DGM + GPS Equipment, Argo UTV, Marsh Master, Hand + Power tools

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input checked="" type="checkbox"/> Inhalation hazard <u>Dust</u>
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO - MEC

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>Island Access, Stuck equipment</u>			

Name (Print): Jonathan M. Nelson
 Signature: [Signature]

Date: 12/4/13

F-364

CH2MHILL**F-3: SAFE BEHAVIOR OBSERVATION FORM**

Safe Behavior Observation Form			
<input checked="" type="checkbox"/> Federal or <input type="checkbox"/> Commercial Sector (check one)		<input type="checkbox"/> Construction or <input checked="" type="checkbox"/> Consulting (check one)	
Project Number: 427946		Client/Program: USACE	
Project Name: Former Raritan Arsenal		Observer: J. Waldron	Date: 12/4/13
Position/Title of worker observed: NAEUA		Background Information/ comments: Geophysical Survey (DGM)	
Task/Observation Observed: Argo operations and DGM			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Practices: Excellent Communication, Attention to detail Safe operational speeds
Properly trained/qualified/experienced	X		
Tools/equipment available and adequate	X		
Proper use of tools	X		
Barricades/work zone control	X		Questionable Activity/Unsafe Condition Observed: No Seat belt in Rear argo seat
Housekeeping	X		
Communication	X		
Work Approach/Habits	X		
Attitude	X		Observer's Corrective Actions/Comments: Seat belt not optimal in rear jump seat Slow pace during operation and maneuvering to prevent issues/accidents
Focus/attentiveness	X		
Pace	X		
Uncomfortable/unsafe position		X	
Inconvenient/unsafe location		X	
Position/Line of fire	X		
Apparel (hair, loose clothing, jewelry)	X		Observed Worker's Corrective Actions/Comments:
Repetitive motion	X		
Other...			

For ES Federal Sector projects please email completed forms to: CH2M HILL ES FED Safe Behavior Observation
 For ES Commercial Sector projects please email completed forms to: CH2M HILL ES COM Safe Behavior Observation
 For CNR ES staff please email completed forms to: cnressafe@ch2m.com

Contract: W912DY-09-D-0060
 Task Order # 003



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 010	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 04 Dec 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Resumed and completed surface sweep operations in Area 12, resumed mechanical and hand brush cutting operations in DSA 5.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4 (Island)	30	30
DSA 5	92	75
DSA 6 (Island)	100	0
10	100	100
12	100	100
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
TEC III Rogaliner, Richard	931-237-0271	148	10
TEC III Egbert, Robert		148	10
TEC I McCoig		148	10
TEC II Capano, John		140	10
TEC II Brown, Kenneth		148	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	55
Crew Cab Pick Up	Ford 350	Team 1	30
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
<p>COMMENTS (Issues, Action Items, Notifications ect.):</p> <p>Operations planned to continue on Thursday 05 Dec 2013. Surface sweeps and hand cutting to be continued in DSA 5.</p> <p>Marsh Master brush cutting machine encountered mechanical problem at approximately 1030 hrs. attempting to cut transects 1-4 over numerous canals in DSA 5 at high tide. Track shaft has broken loose, negating any previous day temporary repairs. Marsh Master crew had to leave project for shop repairs in Connecticut. Hand brush cutting operations began on DSA 5 at 1130 hrs. on transect 30-5-7 and due to the thickness of the vegetation, only 175 meters were able to be cleared. Operations tomorrow will be redirected to cut logs and trees in transects 8, 9 & 11, and surface sweeps in transects 5, 6 & 7. If time remains, hand brush cutting will resume in transects 30-5-6 and 30-5-7.</p>			



PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

1

Date:
12/4/13

**EM61-MK2 Towed
Array**



2

Date:
12/4/13

**EM61-MK2 Towed
Array being
pulled by an
amphibious all
terrain vehicle**





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

3

Date:
12/4/13

**EM61-MK2 Towed
Array being
pulled by an
amphibious all
terrain vehicle**



4

Date:
12/4/13

**EM61-MK2 Towed
Array being
pulled by an
amphibious all
terrain vehicle**





CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		031			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/05/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cool		PM WEATHER:	Overcast, cool		MAX TEMP (F):	52	MIN TEMP (F):	43

SUMMARY OF WORK PERFORMED TODAY

USA Environmental to continue vegetation reduction and surface clearance in DSA 5.

NAEVA starts and finishes DGM in Area 10. Sandra Pietto of the USACE-NY visited Area 10 during DGM operations.

Equipment issues forced early shutdown on 12-4-13. Repair parts for the 3-meter EM-61 coil arrived and repairs were made. The EM-61 was run over the IVS and all problems appear to be corrected.

Boat and Marsh Master off site for remainder of week.

Marsh Master is down for repairs and taken back to CT. Will not be repaired and ready for operation until Monday, 12-9-13.

ARGO rental taken back to NAEVA office.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite.

TAILGATE TOPICS: Slips, trips and falls, Pinch point, heavy lifting, working in wet areas and equipment protection, proper PPE and using 2-way radios for good communications.

SAFE BEHAVIOR OBSERVATIONS:

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	30	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND


Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL

APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 5 and NAEVA completes DGM of Area 10 and made repairs to towed array.				
Planned Work / Test for Tomorrow: Work on plan and path forward with USA Environmental for DSA 4 and DSA 6 regarding brush cutting and surface clearance. NAEVA to continue with DGM.				
Planned Work / Test for Next Week: DGM				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Working through issues for DSA4 and DSA 6 for access and health and safety concerns.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat UTV	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Continuing with daily operations and await answer on DSA 4 and DSA 6.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/05/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/5/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 031	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Cloudy / cold		PM WEATHER: Cloudy / cool		MAX TEMP: 50°F	
				MIN TEMP: 49°F	
SUMMARY OF WORK PERFORMED TODAY					
The UXO surface sweep of DSA 5 continued. The following transects were completed: 5, 6 and 7.					
Vegetation reduction of DSA 5 continued trimming and cleaning up transects.					
The DGM of Area 10 was completed.					
Repair parts for the 3-meter EM-61 coil arrived and repairs were made. The EM-61 was run over the IVS and all problems appear to be corrected.					
Sandra Piettro of the USACE-NY visited Area 10 during DGM operations.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	30
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	70
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	100
				<i>Cumulative Total of Work Hours From Previous Report</i>	4419
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	4519
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
GPS	Trimble Geo XH	Mike Malko	0	10	
Pick-up Truck	Nissan Frontier	Jonathan Waldron	10	0	
Pick-up truck	Dodge Ram 1500	Mike Malko	10	0	
SUV	Ford Explorer	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE: Sandra Piettro: USACE-New York					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/05/2013

LOCATION OF WORK: DSA-5, DSA-2 Area 12

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance,

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
TEMPERATURE: MIN: 46 °F MAX: 64 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed surface clearance transects TDSA5-5, 6, 7.
CH2M Hill's subcontractor USAE continued vegetation removal on DSA 5.

CH2M Hill's subcontractor NAEVA completed DGM survey of Area 10.

CH2M Hill's subcontractor Vargo continued transect layout and marking of DSA-5.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team and transect survey team.

QC Inspection of vegetation removal and surface clearance of DSA-5 transects TDSA5-21 thru 25, T30DSA5-1 thru 6.

Monitored work practice and procedures of survey subcontractor during transect layout and marking

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 12-05-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance DSA5,
Michael Malko
Jonathan Waldron
Chris Rose
Rick Rogaliner, Jim Gilbert, Brian Kenneth
Jason McCois, John Capano

INSPECTIONS PERFORMED & WHO PERFORMED TEST

QC inspection of the surface clearance and vegetation Removal of DSA-5 transects TDSA5-21 thru 25, T30DSA5-1 thru 6. was conducted today. The area was inspected and no MEC and no scrap metal larger than 2"x2" inches was found in the clearance area. The UXO Team recovered all surface laid blind seeds from these areas.

QC inspection of the surface clearance UXO Team process and procedures during sweep operations was performed today. All personnel were in the proper PPE and all work was IAW the Work Plan, HASP, and AHA's.



12-05-2013

Project QC Specialist

Date

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 12-05-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Tansect Layout and marking DSA5,
Michael Malko
Jonathan Waldron
Chris Rose
Phil Schaeffer
Mike Panichelli

INSPECTIONS PERFORMED & WHO PERFORMED TEST

QC inspection of the Tansect layout and marking of DSA5. CH2m Hills subcontractor VARGO has completed the survey ad making of DSA5 with the exception of transects T30DSA5-6 and 7, TDSA5-1 thru 4. These transect have not been cleared of vegetation. Transects TDSA5 24 and 25 require RTS location due to the tree canopy and blocking of satellites,
QC inspection of the Tansect survey team process and procedures during Tansect layout and Survey was performed today. All personnel were in the proper PPE and all work was IAW the Work Plan, HASP, and AHA's.



12-05-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Former Raritan Arsenal Location: Edison, NJ
 Date: 12/5/13
 Supervisor: C. Rose Job
 Activity: DGM + Veg Clear / Surface Clearance

Attendees:	Print Name	Sign Name
	<u>CARIS ROSE</u>	<u>Chris Rose</u>
	<u>Jon Ebert</u>	<u>Jon Ebert</u>
	<u>John Capano</u>	<u>John Capano</u>
	<u>Jason McCaig</u>	<u>Jason McCaig</u>
	<u>Brown Kenneth</u>	<u>Brown Kenneth</u>
	<u>Mike Borowski</u>	<u>Mike Borowski</u>
	<u>M A MALIK</u>	<u>M A MALIK</u>
	<u>Jessie Powers</u>	<u>Jessie Powers</u>
	<u>Don Hammers</u>	<u>Don Hammers</u>

List Tasks and verify that applicable AHAs have been reviewed:
Continue w/ DGM + Veg + Surface Clearance

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):
DGM equipment, GPS, Hand + Power tools,

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):
UXO - MGC

PAUL SCHAEFFER
MIKE PANICELLI
 CONTRACT: W912DY-09-D-0060 / TO: 003
 MAY 2021


APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			


Name (Print): John W. Kelly
 Signature: [Signature]

Date: 12/5/13

 SUB CONTRACTOR DAILY REPORT <i>USA Environmental</i>																																				
CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 011	As of 14 Nov 2013																																	
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 05 Dec 13																																		
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ																																	
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation																																	
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard																																	
SUMMARY OF WORK PERFORMED TODAY																																				
<p>Resumed brush & chainsaw cutting touchup of trees, logs & reeds in transects 8, 9 & 11, surface sweeps of transects 5, 6, & 7 in DSA 5.</p> <p>Progress to Date:</p> <table border="1"> <thead> <tr> <th><u>AREA</u></th> <th><u>% CUT</u></th> <th><u>% SWEEP</u></th> </tr> </thead> <tbody> <tr> <td>DSA 1</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 2</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 3</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 4 (Island)</td> <td>30</td> <td>30</td> </tr> <tr> <td>DSA 5</td> <td>92</td> <td>85</td> </tr> <tr> <td>DSA 6 (Island)</td> <td>100</td> <td>0</td> </tr> <tr> <td>10</td> <td>100</td> <td>100</td> </tr> <tr> <td>12</td> <td>100</td> <td>100</td> </tr> <tr> <td>13</td> <td>0</td> <td>0</td> </tr> <tr> <td>18D</td> <td>100</td> <td>100</td> </tr> </tbody> </table>				<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>	DSA 1	100	100	DSA 2	100	100	DSA 3	100	100	DSA 4 (Island)	30	30	DSA 5	92	85	DSA 6 (Island)	100	0	10	100	100	12	100	100	13	0	0	18D	100	100
<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>																																		
DSA 1	100	100																																		
DSA 2	100	100																																		
DSA 3	100	100																																		
DSA 4 (Island)	30	30																																		
DSA 5	92	85																																		
DSA 6 (Island)	100	0																																		
10	100	100																																		
12	100	100																																		
13	0	0																																		
18D	100	100																																		
WORK FORCE – SUBCONTRACTOR- USA Environmental																																				
Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today																																	
SUXOS Rogaliner, Richard	931-237-0271	158	10																																	
TEC III Egbert, Robert		158	10																																	
TEC II Brown, Kenneth		158	10																																	
TEC II Capano, John		150	10																																	
TEC 1 McCoig, Jason		158	10																																	

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): Operations planned to continue on Friday 06 Dec 2013. Surface sweeps and hand cutting to be continued in DSA 5. Operations tomorrow will be to cut logs, trees and reeds in various transects for touchup, hand brush cutting will resume in transects 30-5-6 and 30-5-7, and surface sweeps in transects 4, 30-5-6 and 30-5-7. High tide floods over canals in DSA 5, causing delays and lost time to transit from place to place in order to finalize transect specifications.			

 SUB CONTRACTOR DAILY REPORT NAEVA Geophysical Surveying			
CONTRACT NAME:		REPORT NO:	03
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	05 DECEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY
SUMMARY OF WORK PERFORMED TODAY			
0630-0700: am safety brief, mob to IVS in DSA2. 0730-0800: RTK base station set-up, GPS projection trouble-shooting and comparison 0800-0830: am Static QC and am IVS collected for EM61 single-coil person-portable system 0830-0900: mob to Area10 0900-1230: A10 collection with personal-portable system – complete. Transects measured for accurate stake-to-stake distances. Distances and stake nomenclature recorded 1230-1300: Lunch 1300-1330: mob to Area18D3 – conclude the area uncollectable due to lack of transect stakes 1330-1400: return to staging area, meet NAEVA employee bringing replacement equipment/picking up Argo rented by CHM2HILL to return to Virginia 1400-1530: unpack and assemble Towed Array platform, trouble-shoot and test replacement equipment to isolate problem encountered in the previous day of collection 1530-1630: mob to DSA2 for pm Static QC and pm IVS collected with person-portable system 1630-1700: return to staging area, charge equipment and re-pack trailer			
WORK FORCE – SUBCONTRACTOR- NAEVA			
Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	10.5
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	10.5
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	12475370	
BASE STATION RADIO HBP450	TRIMBLE	12466482	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220272896	
TSC2 CONTROLLER	TRIMBLE	gps0058	
FMX NAVIGATION DISPLAY	TRIMBLE	5016563211	
EM61- MK2A BOTTOM COIL	GEONICS	em6100120	
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61 ELECTRONICS	GEONICS	062417	
EM61 ELECTRONICS	GEONICS	*New Electronics*	
EM61 ELECTRONICS	GEONICS	123208	
TOUGHBOOK	PANASONIC	6AKYB0612	

APPENDIX F - DAILY REPORTS

ALLEGRO CX	JUNIPER	29889	
NAV 5700 RTK RECEIVER	TRIMBLE	0220330702	
DATA 5700 RTK RECEIVER	TRIMBLE	0220330689	
NAV ZEPHYR GEODETIC	TRIMBLE	12337753	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0274	
COMMENTS (Issues, Action Items, Notifications ect.):			
<p>A10 was collected with the person-portable EM61 system with no issues. Area 18D3 was deemed unfit for collection upon initial inspection, but after speaking with CHM2HILL Geophysicist Andy Gaschow, the intended objective of the area is to find a burial pit; the client is not interested in individual anomalies. The plan of action will be to continue with the collection of 18D3 using existing transect stakes. After receiving the replacement equipment from NAEVA, the problems encountered during yesterday's data collection were isolated to a single Geonics EM61 Electronics unit. The unit was successfully replaced rendering the 3-coil EM61 towed-array platform ready for immediate use. The data collected in DSA3 yesterday was processed as valid, leaving only 2 transects to recollect as a result of the malfunctioning equipment.</p>			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		032			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/06/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cold, rain		PM WEATHER:	Overcast, cool, rain		MAX TEMP (F):	62	MIN TEMP (F):	44

SUMMARY OF WORK PERFORMED TODAY

Vegetation reduction and surface clearance of DSA 5 continued trimming and cleaning up transects.

The DGM of Area 18D (EPA) was completed.

DGM progress was slowed due to weather.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite.

TAILGATE TOPICS: Wet weather, complacency, pinch points, slips, trips and falls, DGM equipment in rain.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	28	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL


COMMENTS (acceptance status, inspection findings, etc.): None

APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 5 and NAEVA completes DGM of Area 18D. Wet weather caused delays in progress				
Planned Work / Test for Tomorrow: break for weekend				
Planned Work / Test for Next Week: DGM and vegetation clearance				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Working through issues for DSA4 and DSA 6 for access and health and safety concerns. Rain and wet weather caused delays with DGM or areas. Equipment will not function properly in wet weather.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat UTV	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Continuing with daily operations and await on approach for DSA 4 and DSA 6.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/06/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/6/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 032	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Rain / cool		PM WEATHER: Rain / cold		MAX TEMP: 62°F	
				MIN TEMP: 44°F	
SUMMARY OF WORK PERFORMED TODAY					
Vegetation reduction and surface clearance of DSA 5 continued.. Transect T30-DSA5-7 was completed.					
The DGM of Area 18D (EPA) was completed.					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	28
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	66
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	94
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	4519
			Total Work Hours From Start of Construction	4613	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
GPS	Trimble Geo XH	Mike Malko	0	10	
Pick-up Truck	Nissan Frontier	Jonathan Waldron	8	2	
Pick-up truck	Dodge Ram 1500	Mike Malko	10	0	
SUV	Ford Explorer	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/06/2013

LOCATION OF WORK: DSA-5, Area 12, Area 18D (EPA)

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance,

WEATHER: ☐ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 44 °F MAX: 58 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed vegetation removal and surface clearance transect T30DSA5-7.

CH2M Hill's subcontractor USAE continued vegetation removal on DSA 5.

CH2M Hill's subcontractor NAEVA completed DGM survey of Area 18D (EPA property).

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team.

QC Inspection of vegetation removal and surface clearance of Area 12

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 12-05-2013

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Surface Clearance DSA5,
Michael Malko
Jonathan Waldron
Chris Rose
Rick Rogaliner, Jim Gilbert, Brian Kenneth
Jason McCois, John Capano

INSPECTIONS PERFORMED & WHO PERFORMED TEST

QC inspection of the surface clearance and vegetation removal of Area 12 transects. The area was inspected and no MEC or scrap metal larger than 2"x2" inches was found in the clearance area. The UXO Team recovered all surface laid blind seeds from this area.

QC inspection of the surface clearance UXO Team process and procedures during sweep operations was performed today. All personnel were in the proper PPE and all work was IAW the Work Plan, HASP, and AHA's.



12-05-2013

Project QC Specialist

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Rantin Arsenal</u>		Location: <u>Edison, NJ</u>
Date: <u>12/6/13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>DGM, Brush + Surface Clearance</u>		
Attendees:	Print Name	Sign Name
	<u>John Capano</u>	<u>[Signature]</u>
	<u>Jason M. Coi's</u>	<u>[Signature]</u>
	<u>Brown Kenneth</u>	<u>[Signature]</u>
	<u>Rick ROGALINEE</u>	<u>[Signature]</u>
	<u>John Gbart</u>	<u>[Signature]</u>
	<u>Jessie Powers</u>	<u>[Signature]</u>
	<u>Don Hennings</u>	<u>[Signature]</u>
	<u>[Signature]</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DGM of Trsects, Surface + Brush Clearance, Demol</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>DGM, GPS, hand + Power tools, Argo</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input checked="" type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXS-Mex Potential</u>		
<u>MA MAKE MATHE</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input checked="" type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Standing water in trench areas

Name (Print):

Jonh Johnson

Signature:

[Signature]

Date:

12/6/13



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 012	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 06 Dec 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Resumed brush & chainsaw cutting touchup of trees, logs & reeds in transects 30-3, 30-6 & 30-7, surface sweep of transect 30-7 in DSA 5.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4 (Island)	30	30
DSA 5	92	88
DSA 6 (Island)	100	0
10	100	100
12	100	100
13	0	0
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
SUXOS Rogaliner, Richard	931-237-0271	168	10
TEC III Egbert, Robert		168	10
TEC II Brown, Kenneth		168	10
TEC II Capano, John		160	10
TEC 1 McCoig, Jason		168	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): Operations planned to continue on Monday 09 Dec 2013. Marsh Master brush cutting to be attempted on DSA 4 (island, high tide at 1300 hrs.), and possible DSA 5 transects 1-4. Surface sweeps to be continued in DSA 5, with possible sweeps of DSA 4 based upon support equipment. Inclement weather caused stricter adherence to Safety adding a longer span of time in regards to pace of work today.			



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	04
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	06 DECEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0630-0700: am safety brief, mob to IVS in DSA2.

0700-0800: RTK base station set-up, GPS QC, IVS points re-shot in NAD83CONUS.

0800-0900: am static QC and am IVS collected for EM61 person-portable system with GPS – tests were discarded due to inconsistent Spike values compared with previous tests. Remove GPS set-up.

0900-0930: am Static QC and am IVS collected for EM61 single-coil person-portable system, mob to Area18.

0930-1230: Area18 data collection with person-portable system – complete. Transects measured for accurate stake-to-stake distances. Distances and stake nomenclature recorded. Multiple rain holds throughout collection.

1230-1300: return to staging area, check status/priority in remaining DGM areas

1300-1330: Lunch

1330-1430: mob to DSA2 for pm Static QC and pm IVS collected with person-portable system

1430-1500: return to staging area, load generator to take to dealership for service, charge and secure equipment

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	8.5
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	8.5
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	12475370	
BASE STATION RADIO HBP450	TRIMBLE	12466482	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220272896	
TSC2 CONTROLLER	TRIMBLE	gps0058	
FMX NAVIGATION DISPLAY	TRIMBLE	5016563211	
EM61- MK2A BOTTOM COIL	GEONICS	em6100120	
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61 ELECTRONICS	GEONICS	062417	
EM61 ELECTRONICS	GEONICS	*New Electronics*	
EM61 ELECTRONICS	GEONICS	123208	
TOUGHBOOK	PANASONIC	6AKYB0612	
ALLEGRO CX	JUNIPER	29889	
NAV 5700 RTK RECEIVER	TRIMBLE	0220330702	

APPENDIX F - DAILY REPORTS

DATA 5700 RTK RECEIVER	TRIMBLE	0220330689	
NAV ZEPHYR GEODETIC	TRIMBLE	12337753	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0274	
COMMENTS (Issues, Action Items, Notifications ect.):			
Area 18 was collected in between bands of heavy rain that moved across the area today. The area was heavy in cultural debris and required extra flagging and measuring to compensate for the lack of transect stakes. Rain was present throughout most of the day, but all equipment performed as expected due to preemptive waterproofing measures.			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		033			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/09/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cold, rain		PM WEATHER:	Overcast, cold, rain		MAX TEMP (F):	37	MIN TEMP (F):	34

SUMMARY OF WORK PERFORMED TODAY

The vegetation reduction of DSA 4 and DSA 5 was completed.

Surface clearance of DSA 5 continues.

The DGM of DSA 3 was completed while the DGM of Area 12 was

started.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite.

TAILGATE TOPICS: Wet weather, pinch points, slips, trips and falls, DGM equipment in rain, Marsh Master island vegetation reduction operations, communication, boating safety.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	33	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL


COMMENTS (acceptance status, inspection findings, etc.): None

APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 4 and DSA 5 and NAEVA completes DGM of DSA 3 and starts DGM in Area 12.				
Planned Work / Test for Tomorrow: Winter Weather Advisory. Snow and poor working conditions expected. No work will take place on 12-10-13				
Planned Work / Test for Next Week: DGM and prep for close out of phase 1 activities.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat UTV	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): Continuing with daily operations and await on approach for DSA 4 and DSA 6.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/09/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/9/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 033	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Rain / cold		PM WEATHER: Rain / cold		MAX TEMP: 37°F	
				MIN TEMP: 34°F	
SUMMARY OF WORK PERFORMED TODAY					
The vegetation reduction of DSA 4 and DSA 5 was completed.					
The surface clearance of DSA 5 continued. The following transects were completed: 21, T30-DSA5-6 and T30-DSA5-7					
The DGM of DSA 3 was completed.					
The DGM of Area 12 was started. The following transects were completed: 18, 19, 20, 21, 22, 23, 24, 25 and a portion of 17..					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	33
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	92
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	125
				<i>Cumulative Total of Work Hours From Previous Report</i>	4613
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total Work Hours From Start of Construction	4738
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
GPS	Trimble Geo XH	Chris Rose	10	0	
GPS	Trimble Geo XH	Mike Malko	10	0	
Pick-up Truck	Ford F-250	Jonathan Waldron	10	0	
Pick-up truck	Dodge Ram 1500	Mike Malko	10	0	
SUV	Ford Explorer	Chris Rose	10	0	
Office Trailer	ModSpace	Jonathan Waldron	10	0	
Generator	Ingersol Rand	Jonathan Waldron	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
Portable toilet	Satellite Industries	Chris Rose	10	0	
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Field work for tomorrow, 10 Dec 12, has been cancelled due to the forecast of 6 inches of snow.					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/09/2013

LOCATION OF WORK: DSA-5, Area 12, DSA-3

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance,

WEATHER: ☐ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☒ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 44 °F MAX: 58 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed vegetation removal of DSA5 , DSA 6, and surface clearance transect T30DSA5-6. Surface clearance was attempted in transects TDSA5-1 thru 3 but the UXO team could not gain access due to deep channels filled with water.

CH2M Hill's subcontractor NAEVA completed DGM survey of DSA-3.

CH2M Hill's subcontractor NAEVA completed DGM survey of 30% of Area 12..

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team.

Monitored work practice and procedures of Geophysics survey team. (DGM)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

GN2MHILL

targetZERO
 World-Class Performance

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet
Project: Former Raritan ArsenalLocation: Edison, NJDate: 12/9/13Supervisor: C. Rose

Job

Activity: Brush Clearance + DGM

Attendees:

Print Name

Sign Name

See Attached

List Tasks and verify that applicable AHAs have been reviewed:

Brush Clearing on / in wetland areas, DGM of transects

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

EM61, GPS, Marsh Master, hand + Power tools, Boat

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input checked="" type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO - MEC

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Ice, Rain, Freezing rain, Poor weather conditions

Name (Print):

Jon W. Wilson


Signature:

Jon W. Wilson

Date:

12/9/13

[illegible]

 SUB CONTRACTOR DAILY REPORT <i>USA Environmental</i>																																	
CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 013	As of 14 Nov 2013																														
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 09 Dec 13																															
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ																														
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation																														
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard																														
SUMMARY OF WORK PERFORMED TODAY																																	
<p>Resumed and completed Marsh Master crushing of vegetation on transects at DSA 4 (island), cutting of transects 1-3 and 30-6B in DSA 5, and completed surface sweep of transects 30-6B and the north section of transect 21.</p> <p>Progress to Date:</p> <table border="1"> <thead> <tr> <th><u>AREA</u></th> <th><u>% CUT</u></th> <th><u>% SWEEP</u></th> </tr> </thead> <tbody> <tr> <td>DSA 1</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 2</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 3</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 4 (Island)</td> <td>100</td> <td>30</td> </tr> <tr> <td>DSA 5</td> <td>100</td> <td>95</td> </tr> <tr> <td>DSA 6 (Island)</td> <td>100</td> <td>0</td> </tr> <tr> <td>10</td> <td>100</td> <td>100</td> </tr> <tr> <td>12</td> <td>100</td> <td>100</td> </tr> <tr> <td>18D</td> <td>100</td> <td>100</td> </tr> </tbody> </table>				<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>	DSA 1	100	100	DSA 2	100	100	DSA 3	100	100	DSA 4 (Island)	100	30	DSA 5	100	95	DSA 6 (Island)	100	0	10	100	100	12	100	100	18D	100	100
<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>																															
DSA 1	100	100																															
DSA 2	100	100																															
DSA 3	100	100																															
DSA 4 (Island)	100	30																															
DSA 5	100	95																															
DSA 6 (Island)	100	0																															
10	100	100																															
12	100	100																															
18D	100	100																															
WORK FORCE – SUBCONTRACTOR- USA Environmental																																	
Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today																														
SUXOS Rogaliner, Richard	931-237-0271	178	10																														
TEC III Egbert, Robert		178	10																														
TEC II Brown, Kenneth		178	10																														
TEC II Capano, John		170	10																														
TEC I McCoig, Jason		178	10																														

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
COMMENTS (Issues, Action Items, Notifications ect.): Operations planned to continue on Wednesday 11 Dec 2013. Clearance team attempted throughout the day to access transects 1-3 at DSA 5 for clearance, yet due to the numerous canals flooded from high tide and the previous night's inclement weather, were unable to complete the task. Due to inclement weather conditions for Tuesday 10 Dec 2013 (3-6 inches of snow) and under the suggestion and agreement with the prime contractor CH2MHill SUXOS for safety concerns to perform operations under such conditions, work will be suspended for the day and resume on 11 Dec 2013. Marsh Master will be utilized as a transport vehicle for a Tech to cross the canals in transects 1-3 in DSA 5 for surface clearance support while the remainder of the team accesses and surface sweeps transects on DSA 4 (island). If possible due to the short window of access, clearance of transects on DSA 6 (small island) will be attempted as well.			



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	05
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	09 DECEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0630-0700: am safety brief, mob to IVS in DSA2.

0700-0800: RTK base station set-up, site-walk in Area 12 accessing collection restrictions in terms of water/mud

0830-0900: return to staging area to get trailer – assistance is required as the trailer had sank into the mud, making the tongue too low for the hitch.

0900-1000: mob to IVS in DSA2, unload trailer, assemble towed array platform, perform GPS QC check.

1000-1030: am Static QC and am IVS collected with EM61 towed array 3 coil system.

1030-1230: mob to Area 3 and collect remaining 4 transects – complete.

1230-1300: Lunch

1300-1430: mob to Area 12 and begin collection – partial.

1430-1600: winch out towed array platform from deep water channel and reassemble, return to IVS.

1600-1700: pm Static QC and partial pm IVS collected with EM61 towed array system. Trouble-shooting EM61 collection program, battery issues

1700-1800: disassemble towed array platform, re-pack trailer, retrieve RTK base station from Area 12 – gate locked and must walk equipment out

1800-1830: return to staging area, charge and secure equipment

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	11.5
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	11.5
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	12475370	
BASE STATION RADIO HBP450	TRIMBLE	12466482	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220272896	
TSC2 CONTROLLER	TRIMBLE	gps0058	
FMX NAVIGATION DISPLAY	TRIMBLE	5016563211	
EM61- MK2A BOTTOM COIL	GEONICS	em6100120	
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61 ELECTRONICS	GEONICS	062417	
EM61 ELECTRONICS	GEONICS		

APPENDIX F - DAILY REPORTS

EM61 ELECTRONICS	GEONICS	123208	
TOUGHBOOK	PANASONIC	6AKYB0612	
ALLEGRO CX	JUNIPER	29889	
NAV 5700 RTK RECEIVER	TRIMBLE	0220330702	
DATA 5700 RTK RECEIVER	TRIMBLE	0220330689	
NAV ZEPHYR GEODETIC	TRIMBLE	12337753	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0274	
COMMENTS (Issues, Action Items, Notifications ect.):			
Collection in Area 3 concluded with no hindrances today. Area 12 proved challenging with the Argo getting stuck in a deep water canal, requiring the platform to be unhooked and winched across. If there will be many more areas such as this, we will have to explore more efficient ways to separate the equipment for water navigation. Upon walking the tidal transects of Area 12, it was also deemed necessary to have hip-waders and a sled for EM61 collection on the islands.			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		034			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/11/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Freezing cold		PM WEATHER:	Freezing cold		MAX TEMP (F):	33	MIN TEMP (F):	22

SUMMARY OF WORK PERFORMED TODAY

The surface clearance of DSA 5 was completed and the surface clearance of DSA 4 continued. A total of 4 transects were swept were swept on the Island
 The DGM of Area 12 continued.
 The DGM of DSA 1 was started and nearly completed. The smaller pit areas are left to complete in DSA 1.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:
 Daily inspections of Equipment onsite.

TAILGATE TOPICS: Boat operations, Emergency Rescue operations, working over, near around water, PPE, Cold Weather Injuries, Slips, Trips and Falls.

SAFE BEHAVIOR OBSERVATIONS: None for today

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	29	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL


COMMENTS (acceptance status, inspection findings, etc.): None

APPENDIX F - DAILY REPORTS

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance and vegetation reduction of DSA 4 and DSA 5. NAEVA DGM's most of DSA1 and continues in Area 12				
Planned Work / Test for Tomorrow: Continue with DGM and surface sweeping of transpects.				
Planned Work / Test for Next Week: Prep for close out of phase 1 activities.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): None encountered for today.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonsted inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat UTV	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonsted	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks:	NA	No of Roll-Off Boxes:	NA	No. of Drums:	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.):							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/11/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/11/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 034	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cold		MAX TEMP: 34°F	
				MIN TEMP: 23°F	
SUMMARY OF WORK PERFORMED TODAY					
<p>The surface clearance of DSA 5 was completed. The surface clearance of DSA 4 continued. 4 transects were swept.</p> <p>The DGM of DSA 1 was started. The following transects were completed: 1, 2, 3, 4, 5, 6 and 7. The DGM of Area 12 continued. The following transects were completed: 6, 11, 12, 13 E-F, 14 C-C, 15, 16, 17 and a portion of 12.</p>					
	Was A Job Safety Meeting Held This Date?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	29
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	80
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	109
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	4738
				Total Work Hours From Start of Construction	4847
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted): Daily safety briefing; equipment inspections					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Chris Rose	10	0
GPS		Trimble Geo XH	Mike Malko	10	0
Pick-up Truck		Ford F-250	Jonathan Waldron	10	0
Pick-up truck		Dodge Ram 1500	Mike Malko	10	0
SUV		Ford Explorer	Chris Rose	1	9
Office Trailer		ModSpace	Jonathan Waldron	10	0
Generator		Ingersol Rand	Jonathan Waldron	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
Portable toilet		Satellite Industries	Chris Rose	10	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):					
VISITORS TO THE SITE:					
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):					

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/11/2013

LOCATION OF WORK: DSA-5, Area 12, DSA-1, DSA-6

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance,

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 32 °F MAX: 34 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed surface clearance of DSA5 transects TDSA5-1 thru 3 but deep channels filled with water surround the area and access was by amphibious vehicle.

CH2M Hill's subcontractor USAE completed surface clearance of 4 transects of DSA 6. The semi liquid ground surface slowed progress of the sweep team.

CH2M Hill's subcontractor NAEVA completed DGM survey of DSA-1 with the exception of transects T3DSA5-1 thru 15. These are one meter transects and will be surveyed with the man EM61 coil.

CH2M Hill's subcontractor NAEVA completed DGM survey of 30% of Area 12 for a total of 60% complete.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team.

Monitored work practice and procedures of Geophysics survey team. (DGM)

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

The wet and tidal conditions of DSA 6 hinder the ability of the workers to maneuver the area.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet


Project: <u>Former Ranta Arsenal</u>		Location: <u>Edison, NJ</u>	
Date: <u>12/16/13</u>			
Supervisor: <u>C. Rose</u>		Job	
Activity: <u>DGM + Vegetation reduction / surface clearance</u>			
Attendees: Print Name Sign Name			
<u>See Attached</u>			
List Tasks and verify that applicable AHAs have been reviewed:			
<u>DGM, Vegetation Reduction + Surface Sweeps, Boat operations</u>			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):			
<u>EMC, Argo, GPS, Marsh Master, John boat, Ponton boat, Jet boat</u>			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics	
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash	
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress	
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard	
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications	
Other Potential Hazards (Describe):			
<u>UXO-MEL, Island operations, Tides</u>			

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM — Needs Approval <input checked="" type="checkbox"/> on site and current — No - Awaiting approval <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): Poor weather on 12/10/13. Snow + Ice on ground today Slippery + winter weather conditions			

Name (Print): Josh Wilder
 Signature: [Signature]

Date: 12/11/13

 SUB CONTRACTOR DAILY REPORT <i>USA Environmental</i>																																	
CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 014	As of 14 Nov 2013																														
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 11 Dec 13																															
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ																														
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation																														
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard																														
SUMMARY OF WORK PERFORMED TODAY																																	
<p>Resumed and completed with Marsh Master transport support the sweeps of transects in DSA5, resumed sweeps of transects at DSA 4 (island).</p> <p>Progress to Date:</p> <table border="1"> <thead> <tr> <th><u>AREA</u></th> <th><u>% CUT</u></th> <th><u>% SWEEP</u></th> </tr> </thead> <tbody> <tr> <td>DSA 1</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 2</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 3</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 4 (Island)</td> <td>100</td> <td>50</td> </tr> <tr> <td>DSA 5</td> <td>100</td> <td>100</td> </tr> <tr> <td>DSA 6 (Island)</td> <td>100</td> <td>0</td> </tr> <tr> <td>10</td> <td>100</td> <td>100</td> </tr> <tr> <td>12</td> <td>100</td> <td>100</td> </tr> <tr> <td>18D</td> <td>100</td> <td>100</td> </tr> </tbody> </table>				<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>	DSA 1	100	100	DSA 2	100	100	DSA 3	100	100	DSA 4 (Island)	100	50	DSA 5	100	100	DSA 6 (Island)	100	0	10	100	100	12	100	100	18D	100	100
<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>																															
DSA 1	100	100																															
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DSA 4 (Island)	100	50																															
DSA 5	100	100																															
DSA 6 (Island)	100	0																															
10	100	100																															
12	100	100																															
18D	100	100																															
WORK FORCE – SUBCONTRACTOR- USA Environmental																																	
Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today																														
SUXOS Rogaliner, Richard	931-237-0271	188	10																														
TEC III Egbert, Robert		188	10																														
TEC II Brown, Kenneth		188	10																														
TEC II Capano, John		180	10																														
TEC I McCoig, Jason		188	10																														

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Crew Cab Pick Up	Dodge 2500	Lead TL	65
Crew Cab Pick Up	Ford 350	Team 1	40
Marsh Master Brush Cutter			
Weed Eater (5)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	
Camera Field Digital w/GPS (1)_	Nikon		
Radio w/Charger (8)	Motorola		
<p>COMMENTS (Issues, Action Items, Notifications ect.):</p> <p>Operations planned to continue on Thursday 12 Dec 2013. Clearance team attempted throughout the day to access transects at DSA 4 (island) for clearance, yet due to the precarious footing in mud, snow and water flooded from high tides and the previous day's inclement weather, were able to complete only four transects. The prime contractor CH2MHill Safety on site called for a cease to operations for safety concerns to perform operations under such conditions at approximately 1430 hrs. The team will access and attempt further surface sweeps of transects on DSA 4 (island) utilizing 2 pairs of snowshoes (all that was in stock at store of the type necessary) and a John Boat, with a rescue boat on standby tomorrow. If possible due to the short window of access, clearance of transects on DSA 6 (small island) will be attempted as well if time and tides permit.</p> <p>The Mudder footwear supplied by USAE failed in this type of terrain today, due to inadequate weight displacement for personnel.</p> <p>Saturday 14 Dec 2013 is projected for another inclement weather snowstorm to hit the area.</p>			



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	06
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	11 DECEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0630-0700: am safety brief, mob to IVS in DSA2.

0700-0830: RTK base station set-up, unload trailer, assemble towed array platform.

0830-0930: perform GPS QC check, am Static QC and IVS collected with EM61 towed array 3 coil system.

0930-1030: mob to Area 1 and begin collection – loss of radio requires a return trip to the RTK base station.

1030-1230: return to Area 1 and resume collection – complete.

1230-1300: attempt to collect 3DSA1 – collection abandoned with towed system due to limiting conditions. Towed system has to be winched out.

1300-1330: lunch

1330-1600: mob to Area 12 and resume collection – partial. Return to IVS in DSA2

1600-1700: pm Static QC and IVS collected with EM61 towed array system. Disassemble towed array platform, re-pack trailer, retrieve RTK base station from Area 12

1700-1730: return to staging area, charge and secure equipment

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	11
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	11
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	12475370	
BASE STATION RADIO HBP450	TRIMBLE	12466482	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220272896	
TSC2 CONTROLLER	TRIMBLE	gps0058	
FMX NAVIGATION DISPLAY	TRIMBLE	5016563211	
EM61- MK2A BOTTOM COIL	GEONICS	em6100120	
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61 ELECTRONICS	GEONICS	062417	
EM61 ELECTRONICS	GEONICS		
EM61 ELECTRONICS	GEONICS	123208	
TOUGHBOOK	PANASONIC	6AKYB0612	
ALLEGRO CX	JUNIPER	29889	

APPENDIX F - DAILY REPORTS

NAV 5700 RTK RECEIVER	TRIMBLE	0220330702	
DATA 5700 RTK RECEIVER	TRIMBLE	0220330689	
NAV ZEPHYR GEODETIC	TRIMBLE	12337753	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0274	
COMMENTS (Issues, Action Items, Notifications ect.):			
Area 1 was collected around cultural obstacles (train, berm, canal) as advised, and designated complete. DGM in T3DSA1 was attempted with the 3-coil array system, but due to deep water and lack of turn-around space, it was decided that the area will remain as person-portable collection. Collection in Area 12 resumed, but due to distance between transects and challenges presented with deep water and ice, there are several transects remaining.			



CH2M HILL DAILY REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		035			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		12/12/13			
REVISION NUMBER:		1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Freezing cold		PM WEATHER:	Freezing cold		MAX TEMP (F):	27	MIN TEMP (F):	20

SUMMARY OF WORK PERFORMED TODAY

Conduct daily tailgate safety briefing and fill out Pre Task Safety Plan for day.
 Teams split up and NAEVA continues with DGM and USAE continues surface sweeps.
 VARGO onsite to confirm survey stake location in Area 10 and to survey transects in DSA 5.
 The surface clearance of DSA 4 continued. Transects 1, 2, 3, 4, 5, 6, were swept.
 The DGM of DSA 1 is completed.
 The DGM of Area 12 was continued. 2 transects left in Area 12 for completion.
 Work activities on DSA4 and DS 6 called off after NEAR MISS H&S incident. HITS report filled for CH2M HILL internal H&S tracking.
 USAE packed up and shipped off equipment for demob.
 USAE offsite for holiday break.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Daily inspections of Equipment onsite. USAE Transect sweep team became stuck in mud flat area while walking between transects on DSA4 Island area. Crew was rescued after falling into mud up to their waist area and getting wet. Crew were pulled from mud, exited area safely and loaded back onto boat to remove wet clothing and head back to dock. Island activities were canceled until after holiday break.

TAILGATE TOPICS: Boat operations, Emergency Rescue operations, working over, near around water, PPE, Cold Weather Injuries, Slips, Trips and Falls.

SAFE BEHAVIOR OBSERVATIONS: DSA 4 Surface Sweeping / Island Operations.

OPERATIONS / PRODUCTION REPORT

WORK FORCE – CONTRACTOR AND SUBCONTRACTOR

Company	Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
CH2M HILL	See attached	33	
See Attached for Subcontractor operations and production report			

EQUIPMENT ON HAND


Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400		CH2M HILL
Metal detector	Schonsted		CH2M HILL
GPS Equipment	Trimbel Geo XH 6000		CH2M HILL
Bob Cat UTV (Sunbelt Rental)	Bob Cat 3400	31455	CH2M HILL
Double axel trailer for UTV (Sunbelt Rental)	Sunbelt rentals/Dumper	186970	CH2M HILL

APPENDIX F - DAILY REPORTS

COMMENTS (acceptance status, inspection findings, etc.): None				
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS				
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Continue with surface clearance of DSA 4. NAEVA DGM's all of DSA1 and continues in Area 12.				
Planned Work / Test for Tomorrow: Continue with DGM. Finish DGM in Area 12 and start DGM in DSA 5				
Planned Work / Test for Next Week: Prep for close out of phase 1 activities.				
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Transect sweep team became stuck in mud flat area while walking between transects on DSA4 Island area. Crew was rescued after falling into mud up to their waist area and getting wet. Crew were pulled from mud using a safety rope, exited area safely and loaded back onto boat to remove wet clothing and head back to dock. Island activities were canceled until after holiday break.				
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting				
QUALITY CONTROL REPORT				
MATERIALS DELIVERED TO JOB SITE				
Quantity/Volume/ Weight	Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By
	See Attached			
COMMENTS (acceptance status, inspection findings, etc.): Pass				
INSPECTIONS PERFORMED				
Task/Activity Inspected	Inspection Performed	Findings		
Schonstedt inspection	Daily/Serviceability	Pass		
GPS Equipment	Daily/Serviceability	Pass		
Generator	Daily/ Serviceability	Pass		
Fire Extinguishers	Monthly	Pass		
First Aid Kit	Monthly	Pass		
Bob Cat UTV	Daily/Weekly	Pass		
Field Vehicles	Daily/Weekly	Pass		
TESTS PERFORMED				
Task/Activity Tested	Test Performed	Test Results (Pass/Fail) - Criteria		
GPS equipment	Function and accuracy test	Pass		
Schonstedt	QC check	Pass		
Site communication/ Radio	Radio Check	Pass		

QUALITY ISSUES AND RESOLUTIONS: none							
SUBMITTALS INSPECTION / REVIEW							
Submittal No.	Submittal Description	Specification/Plan Reference		Submittal Approved?		Comment/Reason/Action	
NA				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
				Yes <input type="checkbox"/>	No <input type="checkbox"/>		
REGULATORY COMPLIANCE REPORT							
PERMIT INSPECTIONS PERFORMED: NA							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.): DSA4 and DSA6 activities cancelled until further notice due to access and safety issues.							
ATTACHMENTS							
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, RFIs, DCNs, photographs, etc.): Daily Production Report, Daily UXO Safety Brief, Daily PTSP, and Daily QC Report. Subcontractor daily reports.							
NOTE: Write all entries legibly in ink. Line out all unused portions or designate as "not applicable". Preparer signs first and last name on each completed daily report. This form may be filled out electronically and signed electronically.				Jonathan Waldron		12/12/13	
				PREPARER'S SIGNATURE		DATE	

APPENDIX F - DAILY REPORTS

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)		DATE OF REPORT: 12/12/2013 REVISION NO: REVISION DATE:	
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		REPORT NO: 035	
PROJECT NO: 427946		SUXOS: Chris Rose		UXOSO: Mike Malko	
AM WEATHER: Clear / cold		PM WEATHER: Clear / cold		MAX TEMP: 27°F	
				MIN TEMP: 20°F	
SUMMARY OF WORK PERFORMED TODAY					
<p>The surface clearance of DSA 4 continued. Transects 1, 2, 3, 4, 5, 6, were swept.</p> <p>The DGM of DSA 1 was completed. Transects T3DSA1-1 through T3DSA1-15 were completed.</p> <p>The DGM of Area 12 was continued. Transects 4, 5, 7, 8, 9, 12, 13 and 14 were completed: Transects 16 A-B and 17 A-B remain to complete Area 12.</p> <p>VARGO onsite to confirm stake location in Area 10 and survey transects T30-06, T30-07, 24 and 25 in DSA 5</p> <p>USAE packed up and shipped off equipment for demob.</p>					
	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CH2M HILL On-Site Hours	33
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Subcontractor On-Site Hours	62
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Total On-Site Hours This Date	95
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<i>Cumulative Total of Work Hours From Previous Report</i>	4847
			Total Work Hours From Start of Construction	4942	
SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (<i>Include safety violations, corrective instructions given, corrective actions taken, and results of safety inspections conducted</i>): Daily safety briefing; equipment inspections.					
USAE personnel became stuck in the mud while conducting the surface sweep of the island designated DSA 4 and needed to be pulled out. The sweep team member got their clothing wet and had to be taken off of the island due to the very cold weather. After this trip it was decided to postpone work on the island at this time.					
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB					
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED		MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
EQUIPMENT USED ON JOB SITE TODAY.					
EQUIPMENT DESCRIPTION		EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS	
				USED	IDLE
GPS		Trimble Geo XH	Mike Malko	11	0
Pick-up Truck		Ford F-250	Jonathan Waldron	11	0
Pick-up truck		Dodge Ram 1500	Mike Malko	11	0
SUV		Ford Explorer	Chris Rose	11	0
Office Trailer		ModSpace	Jonathan Waldron	11	0
Generator		Ingersol Rand	Jonathan Waldron	11	0
Portable toilet		Satellite Industries	Chris Rose	11	0
Portable toilet		Satellite Industries	Chris Rose	11	0
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (<i>List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.</i>): Work on the islands of DSA 4 and DSA 6 has been postponed for now due to the cold wet conditions. Three trips to islands have been made and all trips resulted in equipment being stuck and having to wait until high tide to get off of the islands or personnel needing to be extricated from mud.					
VISITORS TO THE SITE:					

[illegible]

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 12/12/2013

LOCATION OF WORK: DSA-5, Area 12, DSA-1, DSA-4

DESCRIPTION OF WORK: Terrestrial DGM Surveys, Surface Clearance, Transect lay out and survey

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)
 TEMPERATURE: MIN: 17 °F MAX: 27 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USAE completed surface clearance of 4 transects of DSA 4. The semi liquid ground surface slowed progress of the sweep team. Operations suspended when a worker sank in the mud and was soaked with water in freezing temperatures. USAE has not provided Grid sheets to document the surface clearance on DSA 4.

CH2M Hill's subcontractor NAEVA completed DGM survey of DSA-1

CH2M Hill's subcontractor NAEVA completed DGM survey of 30% of Area 12 for a total of 90% complete.

2. Work completed today by QC inspection staff :

Monitored work practice and procedures of UXO surface clearance team.

Monitored work practice and procedures of Geophysics survey team. (DGM)

Escorted the survey team while marking transects

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

None

5. Comments:

The wet and tidal conditions of DSA 4 hinder the ability of the workers to maneuver the area.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Former Raritan Arsenal</u>		Location: <u>Edison NJ</u>
Date: <u>12-12-13</u>		
Supervisor: <u>C. Rose</u>		Job
Activity: <u>DGM, Island Activities, Surveying</u>		
Attendees:	Print Name	Sign Name
	<u>See Attachment</u>	
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DGM, Surface clearance, Surveying, Boating + Emergency operations</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>hand + power tools as needed, DGM + GPS equipment, boat, John boat</u>		
<u>Pontoon boat.</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>UXO-MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): Jonathan Waldron
 Signature: [Signature]

Date: 12/12/13

[illegible]

Former Raritan Arsenal- Marine Vessel Checklist

Today's Date: 12/12/13

Vessel Information: Anthony Miller Jet Boat

Marine Vessel Checklist		
	Yes	N/A
Personal Flotation Devices (PFDs)	✓	
Visual Distress Signals	✓	
Anchor and Anchor Line	✓	
Sound-Producing Devices	✓	
Navigation Lights and Shapes	✓	
Fire Extinguishers	✓	
Alternative Propulsion (for example, paddles)		✓
Overall Vessel Condition Satisfactory	✓	
State Requirements	✓	
Marine Sanitation Device		✓
Navigation Rules	✓	
Ropes and Buoys	✓	
First Aid Kit and Bloodborne Pathogen Kit	✓	
Nonslip Deck	✓	
Personnel Access Ladder	✓	

CH2MHILL**F-3: SAFE BEHAVIOR OBSERVATION FORM**

Refer to Near Miss/Hits report for
Additional details

Safe Behavior Observation Form			
<input checked="" type="checkbox"/> Federal or <input type="checkbox"/> Commercial Sector (check one)		<input type="checkbox"/> Construction or <input checked="" type="checkbox"/> Consulting (check one)	
Project Number: 427946		Client/Program: USACE Huntsville	
Project Name: Raritan Arsenal		Observer: J. Waldron	Date: 12/12/13
Position/Title of worker observed: USA Environmental Surface Sweep team		Background Information/comments: Prepping Island Area for DGM	
Task/Observation Observed: Surface Sweeping for metallic debris			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	✓		Positive Observations/Safe Work Practices: Effective use of emergency rescue equipment and communication
Properly trained/qualified/experienced	✓		
Tools/equipment available and adequate	✓		
Proper use of tools	✓		
Barricades/work zone control	✓		Questionable Activity/Unsafe Condition Observed: Team failed to listen to instructions as to approach on island areas. Team got stuck in mud flat area in which they were told to stay away from during morning tailgate and had to employ emergency rescue operations to free crew from mud.
Housekeeping	✓		
Communication	✓		
Work Approach/Habits		✓	
Attitude	✓		Observer's Corrective Actions/Comments: Crew will need additional training and oversight when operating on islands or areas of questionable conditions.
Focus/attentiveness		✓	
Pace	✓		
Uncomfortable/unsafe position	✓		
Inconvenient/unsafe location		✓	Observed Worker's Corrective Actions/Comments:
Position/Line of fire	✓		
Apparel (hair, loose clothing, jewelry)	✓		
Repetitive motion	✓		
Other...			

For ES Federal Sector projects please email completed forms to: CH2M HILL ES FED Safe Behavior ObservationFor ES Commercial Sector projects please email completed forms to: CH2M HILL ES COM Safe Behavior ObservationFor CNR ES staff please email completed forms to: cnressafe@ch2m.com

Contract: W912DY-09-D-0060

Task Order # 003



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	07
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	12 DECEMBER 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0630-0700: am safety brief, mob to IVS in DSA2.

0700-0830: RTK base station set-up, unload trailer, perform GPS QC, assemble sled system

0830-0900: perform am Static QC and IVS collected with EM61 person portable single coil sled system.

0930-1030: mob to Sayersville to board the boat to the islands – operation abandoned due to safety concerns and productive feasibility

1030-1200: mob to T3DSA1 and begin collection – complete. Return to staging area

1200-1230: lunch

1230-1300: hook up trailer and mob to IVS in DSA2

1300-1430: unpack trailer, assemble towed platform, perform pm Static QC and IVS for person portable sled system. Repack sled system.

1430-1500: perform am Static QC and IVS with EM61 towed array system. Mob to Area 12

1500 -1630: Resume collection in Area 12 – partial

1630-1730: mob to IVS in DSA2 – perform pm Static QC and IVS with towed array system. Retrieve RTK base station, disassemble platform, re-pack trailer

1730-1800: return to staging area, secure and charge equipment

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	11.5
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	11.5
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
BASE STATION ZEPHYR GEODETIC	TRIMBLE	12475370	
BASE STATION RADIO HBP450	TRIMBLE	12466482	
5700 RTK BASE STATION RECEIVER	TRIMBLE	0220272896	
TSC2 CONTROLLER	TRIMBLE	gps0058	
FMX NAVIGATION DISPLAY	TRIMBLE	5016563211	
EM61- MK2A BOTTOM COIL	GEONICS	em6100120	
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61- MK2A BOTTOM COIL	GEONICS		
EM61 ELECTRONICS	GEONICS	062417	
EM61 ELECTRONICS	GEONICS		

APPENDIX F - DAILY REPORTS

EM61 ELECTRONICS	GEONICS	123208	
TOUGHBOOK	PANASONIC	6AKYB0612	
ALLEGRO CX	JUNIPER	29889	
NAV 5700 RTK RECEIVER	TRIMBLE	0220330702	
DATA 5700 RTK RECEIVER	TRIMBLE	0220330689	
NAV ZEPHYR GEODETIC	TRIMBLE	12337753	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0274	
COMMENTS (Issues, Action Items, Notifications ect.):			
T3DSA1 was collected using the experimental EM61 single-coil person-portable sled system. The design was originally intended for collection on the islands in Area 4, but it proved to work well in the ice and deeper water that had accumulated in the bottom of the collection area. Collection resumed on Area 12 with transects 9-4 collected before high tide, and only 2 small sections remain before T12 is complete. Freezing temperatures combined with frequent water submersion pose issues with equipment connections freezing			



SUB CONTRACTOR DAILY REPORT

USA Environmental

CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 015	As of 14 Nov 2013
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE: 12 Dec 13	
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Rob Gucwa	FIELD TEAM LEADER	Rogaliner, Richard

SUMMARY OF WORK PERFORMED TODAY

Resumed sweeps of transects at DSA 4 (island) and prepared for demobilization.

Progress to Date:

<u>AREA</u>	<u>% CUT</u>	<u>% SWEEP</u>
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4 (Island)	100	65
DSA 5	100	100
DSA 6 (Island)	100	0
10	100	100
12	100	100
18D	100	100

WORK FORCE – SUBCONTRACTOR- USA Environmental

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
SUXOS Rogaliner, Richard	931-237-0271	198	8
TEC III Egbert, Robert		198	8
TEC II Brown, Kenneth		198	8
TEC II Capano, John		190	8
TEC I McCoig, Jason		198	8
EQUIPMENT ON HAND			

APPENDIX F - DAILY REPORTS

[illegible]

COMMENTS (Issues, Action Items, Notifications ect.):

Operations completed on Thursday 12 Dec 2013. Clearance team attempted throughout the day to access transects at DSA 4 (island) for clearance, yet due to the precarious footing in mud, snow and water flooded from high tides, were able to complete only three transects. The prime contractor CH2MHill Safety and SUXOS on site called for a cease to operations for safety concerns to perform operations under such conditions at approximately 1030 hrs. after the team had a member fall into a water hole, and the team had extreme difficulty traversing and getting stuck in mud holes. At this time, 2/3 of DSA 4 has been surface swept through various attempts and techniques.

Remainder of the day was spent preparing for demobilization tomorrow.

Saturday 14 Dec 2013 is projected for another inclement weather snowstorm to hit the area.



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		53			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		1-29-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	12	MIN TEMP (F):	19

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 Field teams continue to reacquire and investigate anomalies and via intrusive measures in DSA #1
 TEMTADS operations continued in parking lot of DSA #2.
 CH2M HILL personnel injured in slip and fall in parking lot of DSA#1 (FedEx) resulting in trip to hospital and fractured wrist.
 HITS report completed through CH2M HILL H&S procedures, CH2M HILL and Client managers notified.
 Safety stand down initiated, engineering controls enacted and additional training and awareness discussed. "Yak-Trak" ice safety boot attachments purchased and distributed to field teams for use while operating on and around icy parking lots and icy field conditions.

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	65	142
DSA #2	215*	Partial	198*	17*
DSA #3	126	No	0	126
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	43	151
Area 18D (MCC Property)	N/D	Yes	0	---
Area 13	N/D	No	0	---

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	37*	6*
DSA #5	228	Yes	0	228
Area 18D (MCC Property)	205	Yes	205	0

- * Numbers of anomalies for TEMTADS and intrusive investigation in DSA #2 subject to change base on changing field conditions, ability to access and data quality objectives.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.


Daily inspections of equipment onsite.

HITS report filled out for slip and fall injury for CH2M HILL employee

Safety footwear provided to teams for activities in icy areas.

TAILGATE TOPICS: Extreme cold weather, snow and safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety

SAFE BEHAVIOR OBSERVATIONS: None for today.

	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	50
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	160
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	6143
			Total Work Hours From Start of Construction	6303

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	Subcontractor Oversight	SSHO	10
Chris Rose	Subcontractor Oversight	SUXOS	10
Andy Gascho	TEMTADS	Geophysicist	10
Kevin Lombardo	Subcontractor Oversight	UXOSO	10

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	10
Matter, Phillip	Tech III	USAE	10
Schmidt, Paul	Tech III	USAE	10
Litvjak, Andrew	Tech II	USAE	10
Coble, Richard	Tech II	USAE	10
Massey, Kevin	Tech II	USAE	10
Bernard, Christopher	Tech II	USAE	10
Vance, Earl	Tech II	USAE	10
Manthey, Wayne	Tech II	USAE	10
Davis, Scott	Tech II	USAE	10
Brown, Kenneth	Tech II	USAE	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
TEMTADS	NRL	NA	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

APPENDIX F - DAILY REPORTS

INSPECTIONS AND TESTS PERFORMED																															
Task/Activity Inspected		Inspection Performed		Tests		Findings																									
Schonstedt inspection		Daily/Serviceability		QC Check		Pass																									
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass																									
Generator		Daily/ Serviceability		NA		Pass																									
Fire Extinguishers		Monthly		NA		Pass																									
First Aid Kit		Monthly		NA		Pass																									
Field Vehicles		Daily/Weekly		NA		Pass																									
TEMTADS		Daily		Function and accuracy		Pass																									
Site Communication / 2 Way Radios		Daily		Radio Check		Pass																									
COMMENTS (acceptance status, inspection findings, etc.): None																															
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS																															
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1 TEMTADS of anomalies in DSA#2																															
Planned Work / Test for Tomorrow: Continue with reacquisition of anomalies, intrusive investigation and TEMTADS of DSA's																															
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation, TEMTADS																															
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Cold weather impacting battery life of TEMTADS, GPS and data tablets. Tablets and additional equipment functionality also impacted by cold weather. Paper dig sheets and tablets used to track anomalies investigated and sort through entries for QC/QA.																															
VISITORS AND DISCUSSIONS:																															
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION																															
<table border="1"> <tr> <td colspan="2">Inspection Performed By:</td> <td colspan="2">NA</td> <td colspan="2">Signature of Inspector:</td> <td colspan="2">NA</td> </tr> <tr> <td colspan="2">Accumulation / Stockpile Area Inspected:</td> <td colspan="6">NA</td> </tr> <tr> <td>No of Containers:</td> <td>NA</td> <td>No of Tanks</td> <td>NA</td> <td>No of Roll-Off Boxes:</td> <td>NA</td> <td>No. of Drums</td> <td>NA</td> </tr> </table>								Inspection Performed By:		NA		Signature of Inspector:		NA		Accumulation / Stockpile Area Inspected:		NA						No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Performed By:		NA		Signature of Inspector:		NA																									
Accumulation / Stockpile Area Inspected:		NA																													
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA																								
Inspection Results: NA																															
GENERAL COMMENTS																															
General Comments~ (rework, directives, etc.):																															
ATTACHMENTS																															
List of Attachments: Daily QC Report, Daily PTSP																															
Chris Rose Jonathan Waldron						1/29/14																									
PREPARER'S SIGNATURE						DATE																									

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 01/29/2014

LOCATION OF WORK: DSA-2/Area 18 D (College)

DESCRIPTION OF WORK: Terrestrial Intrusive Anomaly Investigation/Resolution (TEM TADS)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☒ (WINDY)

TEMPERATURE: MIN: 12 °F MAX: 19 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USA Environmental began the intrusive investigation of DSA 1 today completing of 65 anomalies.

USAE entered the missing data for transects DSA-2 Transect 1 and Transect 2 from paper dig sheets into MRSIMS.

CH2M Hill collected TEM TADS data on 26 targets in DSA 2.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Performed QC inspection of completed anomalies in DSA 2 and verified all no contacts with EM 61.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

GH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Raritan Location: Edison
 Date: 1/29/14
 Supervisor: C. Rose Job
 Activity: Intrusive investigation, TEMTADs

Attendees:	Print Name	Sign Name
	<u>See Attachment</u>	

List Tasks and verify that applicable AHAs have been reviewed:

Intrusive investigation, TEMTADs, General Site Safety + Security
UXO-MEC safety

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

Hand + Power tools, RTK GPS, Whites XLT, TEMTADs

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input checked="" type="checkbox"/> Security	<input type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO-MEC, Extreme Cold

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): 			

Name (Print): Joseph J. Allen
 Signature: [Signature]

Date: 1/29/19



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		054			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		1-30-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	12	MIN TEMP (F):	28

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
Field teams continue to reacquire and investigate anomalies and via intrusive measures in DSA #1.
TEMTADS operations in parking lot of DSA #2 completed.
Conduct QC audit of intrusive investigation anomaly list.

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	122	85
DSA #2	215*	Partial	198*	17*
DSA #3	126	No	0	126
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	43	151
Area 13	N/D	No	0	---

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	43*	0*
DSA #5	27*	Partial	0	27
Area 18D (MCC Property)	205	Yes	205	0

- Numbers of anomalies for TEMTADS and intrusive investigation in DSA #2 subject to change base on changing field conditions, ability to access and data quality objectives.
- Number of anomalies for TEMTADS in DSA#5 adjusted based on HFD, equipment availability, scheduling and time constraints. Remaining anomalies in DSA#5 will be investigated using intrusive measures.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

Safe Behavior Observation on TEMTADS operations.

TAILGATE TOPICS: Extreme cold weather, snow and safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety. Footing and traction control.

APPENDIX F - DAILY REPORTS

SAFE BEHAVIOR OBSERVATIONS: TEMTADS (attached to report)				
<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 100px; height: 100px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CH2M HILL On-Site Hours	40
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total On-Site Hours This Date	150
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>Cumulative Total of Work Hours From Previous Report</i>	6293
		Total Work Hours From Start of Construction	6453	
OPERATIONS / PRODUCTION REPORT				
CH2M HILL				
Employee	Work Performed	Title/Trade	Hours	
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10	
Jonathan Waldron	Subcontractor Oversight	SSHO	10	
Andy Gascho	TEMTADS	Geophysicist	10	
Kevin Lombardo	Subcontractor Oversight	UXOSO	10	
USA ENVIRONMENTAL				
Employee	Work Performed	Title/Trade	Hours	
Gildea, Patrick	SUXOS	USAE	10	
Matter, Phillip	Tech III	USAE	10	
Schmidt, Paul	Tech III	USAE	10	
Litvjak, Andrew	Tech II	USAE	10	
Coble, Richard	Tech II	USAE	10	
Massey, Kevin	Tech II	USAE	10	
Bernard, Christopher	Tech II	USAE	10	
Vance, Earl	Tech II	USAE	10	
Manthey, Wayne	Tech II	USAE	10	
Davis, Scott	Tech II	USAE	10	
Brown, Kenneth	Tech II	USAE	10	
EQUIPMENT ON HAND				
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By	
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL	
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL	
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL	
Metal detector	Schonsted	NA	CH2M HILL	
GPS Equipment	Trimble	Rental	CH2M HILL	
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL	
TEMTADS	NRL	NA	CH2M HILL	
ARGO UTV	ARGO	ARGO 1	CH2M HILL	
INSPECTIONS AND TESTS PERFORMED				
Task/Activity Inspected	Inspection Performed	Tests	Findings	
Schonstedt inspection	Daily/Serviceability	QC Check	Pass	

APPENDIX F - DAILY REPORTS

GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
TEMTADS	Daily	Function and accuracy	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1 TEMTADS of anomalies in DSA#2			
Planned Work / Test for Tomorrow: Continue with reacquisition of anomalies, intrusive investigation and TEMTADS of DSA#5			
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Cold weather impacting battery life of TEMTADS, GPS and data tablets. Tablets and additional equipment functionality also impacted by cold weather. Paper dig sheets and tablets used to track anomalies investigated and sort through entries for QC/QA.			
VISITORS AND DISCUSSIONS:			
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	NA	Signature of Inspector:	NA
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	NA
Inspection Results: NA			
GENERAL COMMENTS			
General Comments~ (rework, directives, etc.):			
ATTACHMENTS			
List of Attachments: Daily QC Report, Daily PTSP, SBO			
Chris Rose Jonathan Waldron			1/30/14
PREPARER'S SIGNATURE			DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 01/30/2014

LOCATION OF WORK: DSA#1 and DSA#2

DESCRIPTION OF WORK: Terrestrial Intrusive Anomaly Reacquisition and Investigation and Non-Intrusive TEMTADS Investigation

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☒ (WINDY)
TEMPERATURE: MIN: 12 °F MAX: 28 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USA Environmental continues with the intrusive investigation of DSA #1 today completing 57 anomalies for a total of 122 targets investigated.

CH2M Hill collected TEMTADS data on 6 targets in DSA 2. This completes the TEMTADS collection of targets in DSA#2

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Performed QC inspection of completed anomalies in DSA #1 and verified all no contacts with EM 61.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 01-30-2014

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Terrestrial Intrusive Anomaly Investigation/Resolution Dredge Spoil Area 2.
Michael Malko
Kevin Lombardo
Jonathon Waldron
Andrew Gascho
Gildea, Patrick
Matter, Phillip
Schmidt, Paul
Litvjak, Andrew
Coble, Richard
Massey, Kevin
Bernard, Christopher
Vance, Earl
Manthey, Wayne
Davis, Scott

INSPECTIONS PERFORMED & WHO PERFORMED TEST

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.
UXOQC inspected/verified all targets identified as "No Contacts"
Reviewed MRSIMS, analog dig sheets and compared QC notes for errors.
Additional work is needed in DSA#2.



Project QC Specialist

01-30-2014

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Renton Location: Edison
 Date: 11/30/14
 Supervisor: C. Rose Job _____
 Activity: Intrusive Investigation, TEMTADS

Attendees:	Print Name	Sign Name
	<u>See Attached</u>	

List Tasks and verify that applicable AHAs have been reviewed:
Intrusive Investigation, TEMTADS, RTK GPS reconfiguration

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

RTK GPS, TEMTADS, hand power tools

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input checked="" type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

Extreme cold weather, UXO-MEC potential

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Dig pit resulting in injury. Yak-Traks provided to team for traction

Name (Print):

Signature:

Jonathan Walden

Date:

1/30/14

[illegible]

CH2MHILL

Safe Behavior Observation Form			
Project Number: 427946	Client/Program: USACOE 385-1-1		<input checked="" type="checkbox"/> CCI <input type="checkbox"/> INC
Project Name: Ramtan Arsenal	Observer: Lombardo Kevin		Date: 12-30-14
Position/Title of worker observed: SUXOS TEM TABS	Background Information/ comments: Geophysical Detection Technology		
Task/Observation: TEM TABS IVS calibration & set-up			
Observed: OF RTK GPS BASE Station & Rover			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	✓		Positive Observations/Safe Work Practices: TEM TABS operator used great care in handling EQ and was careful to work connections - was careful in lifting unit in & out of truck use good lift technique
Properly trained/qualified/experienced	✓		
Tools/equipment available and adequate	✓		
Proper use of tools	✓		
Barricades/work zone control	N/A		Questionable Activity/Unsafe Condition Observed: none
Housekeeping	✓		
Communication	✓		
Work Approach/Habits	✓		
Attitude	✓		
Focus/attentiveness	✓		Observer's Corrective Actions/Comments: N/A
Pace	✓		
Uncomfortable/unsafe position	NO		
Inconvenient/unsafe location	NO		
Position/Line of fire	NO		
Apparel (hair, loose clothing, jewelry)	OK		Observed Worker's Corrective Actions/Comments:
Repetitive motion	✓		
Other...	✗		

For WST ES staff please email completed forms to [CH2MHILL WST ES Safe Behavior Observations - \(WSTESSBO@ch2m.com\)](mailto:CH2MHILL WST ES Safe Behavior Observations - (WSTESSBO@ch2m.com))
 For CNR ES staff please email completed forms to cnressafe@ch2m.com

TEM TABS operations was professional & impressive & thorough

Rev. 4/10/09



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		055			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		1-31-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	28	MIN TEMP (F):	33

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
Field teams continue to reacquire and investigate anomalies and via intrusive measures in DSA #1.
TEMTADS operations in DSA #5 and Area 18D to redo targets that had issues with data.
Teams wrap up operations for 3 day break and return to work on 2-4-14

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	151	56
DSA #2	215*	Partial	216*	0
DSA #3	126	No	0	126
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	43	151
Area 13	N/D	No	0	---
DSA #5	202	Partial	0	232

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	43*	0*
DSA #5	30*	Partial	30	0
Area 18D (MCC Property)	205	Yes	205	0

- Numbers of anomalies for TEMTADS and intrusive investigation in DSA #2 subject to change base on changing field conditions, ability to access and data quality objectives.
- Number of anomalies for TEMTADS in DSA#5 adjusted based on HFD, equipment availability, scheduling and time constraints. Remaining anomalies in DSA#5 will be investigated using intrusive measures.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:


Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety. Footing and traction control, complacency.

APPENDIX F - DAILY REPORTS

SAFE BEHAVIOR OBSERVATIONS: None for today.

	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	50
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	160
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	6,456
		Total Work Hours From Start of Construction	6,613

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	12
Jonathan Waldron	Subcontractor Oversight	SSHO	11
Andy Gascho	TEMTADS	Geophysicist	12
Kevin Lombardo	Subcontractor Oversight	UXOSO	10

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	10
Matter, Phillip	Tech III	USAE	10
Schmidt, Paul	Tech III	USAE	10
Litvjak, Andrew	Tech II	USAE	10
Coble, Richard	Tech II	USAE	10
Massey, Kevin	Tech II	USAE	10
Bernard, Christopher	Tech II	USAE	10
Vance, Earl	Tech II	USAE	10
Manthey, Wayne	Tech II	USAE	10
Davis, Scott	Tech II	USAE	10
Brown, Kenneth	Tech II	USAE	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
TEMTADS	NRL	NA	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

INSPECTIONS AND TESTS PERFORMED

Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass

APPENDIX F - DAILY REPORTS

GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
TEMTADS	Daily	Function and accuracy	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1 TEMTADS of anomalies in DSA#5 and Area 18 D (college) to redo targets.			
Planned Work / Test for Tomorrow: None. 3 day break. Return to work on Tuesday, 2-4-14			
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Recollect TEMTADS data in Area 18D for selected anomalies with poor data values.			
VISITORS AND DISCUSSIONS:			
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	NA	Signature of Inspector:	NA
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	NA
Inspection Results: NA			
GENERAL COMMENTS			
General Comments~ (rework, directives, etc.):			
ATTACHMENTS			
List of Attachments: Daily QC Report, Daily PTSP			
		Chris Rose	1/31/14
		Jonathan Waldron	
		_____ PREPARER'S SIGNATURE	_____ DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 01/31/2014

LOCATION OF WORK: DSA-2, DSA 1, DSA 5, Area 18D

DESCRIPTION OF WORK: Terrestrial Reacquisition/Intrusive Anomaly Investigation/Resolution (TEMTADS)

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☒ (WINDY)

TEMPERATURE: MIN: 28 °F MAX: 33 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USA Environmental continued the intrusive investigation of DSA 1 today completing of 29 anomalies for a total of 151 targets of 208 investigated.

CH2M Hill's subcontractor USA Environmental investigated an additional 5 anomalies in DSA 2 today to replace those which were previously selected but were underwater. An additional 2 anomalies were selected by the UXOQC for reinvestigation. Twelve anomalies were missing data in the MRSIMS and was found on an analog dig sheet and submitted for re-entry. To date a total of 39 Anomalies Have been mapped with TEMTADS and 222 anomalies have ben intrusively investigated for a total of 261.

CH2M Hill collected TEMTADS data on 30 targets and one TEMTADS QC seed in DSA 5 within 450 ft. the housing area to eliminated the need to evacuate during intrusive activities.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Performed QC inspection of completed anomalies in DSA 1 and verified all no contacts with EM 61.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 01-30-2014

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Terrestrial Intrusive Anomaly Investigation/Resolution Dredge Spoil Area 2.
Michael Malko
Kevin Lombardo
Jonathon Waldron
Andrew Gascho
Gildea, Patrick
Matter, Phillip
Schmidt, Paul
Litvjak, Andrew
Coble, Richard
Massey, Kevin
Bernard, Christopher
Vance, Earl
Manthey, Wayne
Davis, Scott

INSPECTIONS PERFORMED & WHO PERFORMED TEST

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.
UXOQC inspected/verified all targets identified as "No Contacts"
Reviewed MRSIMS, analog dig sheets and compared QC notes for errors. (See Attached)



Project QC Specialist

01-30-2014

Date

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: _____	Location: <u>Edison, NJ</u>	
Date: <u>1/31/14</u>		
Supervisor: <u>C. Rose</u>	Job: _____	
Activity: <u>Intrusive Investigation, TEMTADS</u>		
Attendees: Print Name Sign Name		
<u>See Attached</u>		
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Intrusive Investigation, Reacquisition of Anomalies, TEMTADS</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>Mini excavator, RTK GPS, Argo, Schlutect, TEMTADS</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input type="checkbox"/> Cuts/abrasions	<input type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>Potential UXO - MEC</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> Soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Name (Print):

Signature:

Date:

F-462



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		056		
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-2-14		
REVISION NUMBER:		1		REVISION DATE:		1-28-14		
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor:		Kevin Lombardo		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron		
AM WEATHER:	Cold	PM WEATHER:	Cold	MAX TEMP (F):		28	MIN TEMP (F):	33

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 Teams Return from 3 day break and continue with intrusive operations.
 Field teams continue to reacquire and investigate anomalies and via intrusive measures in DSA #1 and DSA#3.
 Heavy snow and winter weather conditions moving back into area. 8 inches of snow fell in area on 2-3-14.
 29 anomalies investigated in DSA#1 and 35 anomalies investigated in DSA#3.
 Database managers work to QC and verify entries into database and matchup with activities in field.

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	180	27
DSA #2	215*	Partial	216*	0
DSA #3	126	No	35	91
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	43	151
Area 13	N/D	No	0	---
DSA #5	232	Partial	0	232

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	43*	0*
DSA #5	30*	Partial	30*	0
Area 18D (MCC Property)	205	Yes	205	0

- Numbers of anomalies for TEMTADS and intrusive investigation in DSA #2 subject to change base on changing field conditions, ability to access and data quality objectives.
- Number of anomalies for TEMTADS in DSA#5 adjusted based on HFD, equipment availability, scheduling and time constraints. Remaining anomalies in DSA#5 will be investigated using intrusive measures.

HEALTH AND SAFETY REPORT


SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety. Footing and traction control, Heavy snow fall covering areas.

SAFE BEHAVIOR OBSERVATIONS: None for today.

	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	30
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	140
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	6,596
			Total Work Hours From Start of Construction	6,753

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	Subcontractor Oversight	SSHO	10
Kevin Lombardo	Senior UXO Supervisor	SUXOS	10

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	10
Matter, Phillip	Tech III	USAE	10
Schmidt, Paul	Tech III	USAE	10
Litvjak, Andrew	Tech II	USAE	10
Coble, Richard	Tech II	USAE	10
Massey, Kevin	Tech II	USAE	10
Bernard, Christopher	Tech II	USAE	10
Vance, Earl	Tech II	USAE	10
Manthey, Wayne	Tech II	USAE	10
Davis, Scott	Tech II	USAE	10
Brown, Kenneth	Tech II	USAE	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

APPENDIX F - DAILY REPORTS

INSPECTIONS AND TESTS PERFORMED																															
Task/Activity Inspected		Inspection Performed		Tests		Findings																									
Schonstedt inspection		Daily/Serviceability		QC Check		Pass																									
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass																									
Generator		Daily/ Serviceability		NA		Pass																									
Fire Extinguishers		Monthly		NA		Pass																									
First Aid Kit		Monthly		NA		Pass																									
Field Vehicles		Daily/Weekly		NA		Pass																									
Site Communication / 2 Way Radios		Daily		Radio Check		Pass																									
COMMENTS (acceptance status, inspection findings, etc.): None																															
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS																															
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1 and DSA#3. Database management of MRSIMS.																															
Planned Work / Test for Tomorrow: None. Weather forcing work stoppage for 2-5-14																															
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation																															
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Poor weather expected to cause delays tomorrow.																															
VISITORS AND DISCUSSIONS:																															
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION																															
<table border="1"> <tr> <td colspan="2">Inspection Performed By:</td> <td colspan="2">NA</td> <td colspan="2">Signature of Inspector:</td> <td colspan="2">NA</td> </tr> <tr> <td colspan="2">Accumulation / Stockpile Area Inspected:</td> <td colspan="6">NA</td> </tr> <tr> <td>No of Containers:</td> <td>NA</td> <td>No of Tanks</td> <td>NA</td> <td>No of Roll-Off Boxes:</td> <td>NA</td> <td>No. of Drums</td> <td>NA</td> </tr> </table>								Inspection Performed By:		NA		Signature of Inspector:		NA		Accumulation / Stockpile Area Inspected:		NA						No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Performed By:		NA		Signature of Inspector:		NA																									
Accumulation / Stockpile Area Inspected:		NA																													
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA																								
Inspection Results: NA																															
GENERAL COMMENTS																															
General Comments~ (rework, directives, etc.):																															
ATTACHMENTS																															
List of Attachments: Daily QC Report, Daily PTSP																															
<div style="display: flex; justify-content: space-between;"> <div> Jonathan Waldron Kevin Lombardo </div> <div>2/4/14</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>PREPARER'S SIGNATURE</div> <div>DATE</div> </div>																															

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/04/2014

LOCATION OF WORK: DSA 1, DSA 3

DESCRIPTION OF WORK: Terrestrial Reacquisition/Intrusive Anomaly Investigation/Resolution

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☒ (WINDY)

TEMPERATURE: MIN: 28 °F MAX: 33 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USA Environmental continued the intrusive investigation of DSA 1 today completing of 29 anomalies for a total of 180 targets of 207 investigated.

CH2M Hill's subcontractor USA Environmental began the intrusive investigation of DSA3 today. A total of 35 of 126 targets were investigated.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Performed QC inspection of completed anomalies in DSA 3 and verified all no contacts with EM 61.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

Of 35 targets investigated in DSA3 21 were found to be no contact.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RARITAN RIFTS</u>		Location: <u>EDISON NJ</u>
Date: <u>4 FEB 2014</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: <u>MEC CLEARANCE</u>		
Attendees:	Print Name	Sign Name
	<u>SEE LIST</u>	
List Tasks and verify that applicable AHAs have been reviewed:		
<u>ANOMALY REACQUISITION</u>		
<u>ANOMALY INVESTIGATION</u>		
<u>DRILLING</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>MINI EXCAVATOR</u>		
<u>EM 61 & WHITE DETECTORS</u>		
<u>HAND TOOL</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):

PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

Beware of Ice conditions
 Look before you step - Plan your path & steps
 Hold on to Hand Rails

Name (Print):

Signature:

A. A. MALHO
 MC Miller

Date:

1

Today's Date:

CONTRACT: W912DY-09-D-0060 / TO: 003
MAY 2021



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		057			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-6-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Kevin Lombardo		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, sunny		PM WEATHER:	Cold, sunny		MAX TEMP (F):	17	MIN TEMP (F):	30

SUMMARY OF WORK PERFORMED TODAY

Heavy rain, sleet and freezing rain conditions forced shutdown of site on 2-5-14.
 CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 Teams has stand down to address QC issues with USACE rep and CH2M HILL Geophysical Team regarding number of "no finds".
 Field teams continue to reacquire and investigate anomalies and via intrusive measures in DSA #1 and DSA#3.
 41 anomalies investigated in DSA#1 and 85 anomalies investigated in DSA#3.
 Database managers continue to QC and verify entries into database and matchup with activities in field.
 Chris Rose (SUXOS) received clearance from doctor to return to work on light duty.

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	213*	14*
DSA #2	215	Partial	216	0
DSA #3	126	No	120	8*
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	43	151
Area 13	N/D	No	0	---
DSA #5	232	Partial	0	232

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	43*	0*
DSA #5	30*	Partial	30*	0
Area 18D (MCC Property)	205	Yes	205	0

- Numbers of anomalies increased in field due to targets unable to be investigated underwater.
- Number of anomalies for TEMTADS in DSA#5 adjusted based on HFD, equipment availability, scheduling and time constraints. Remaining anomalies in DSA#5 will be investigated using intrusive measures.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

APPENDIX F - DAILY REPORTS

TAILGATE TOPICS: Safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety. Footing and traction control, Heavy snow fall covering areas and rain paired with freezing conditions increases possibility for slip and fall.

SAFE BEHAVIOR OBSERVATIONS: None for today.

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	34
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	144
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	6,740
		Total Work Hours From Start of Construction	6,897

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	10
Kevin Lombardo	Senior UXO Supervisor	SUXOS	10
Chris Rose	Senior UXO Supervisor	SUXOS	4

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	10
Matter, Phillip	Tech III	USAE	10
Schmidt, Paul	Tech III	USAE	10
Litvjak, Andrew	Tech II	USAE	10
Coble, Richard	Tech II	USAE	10
Massey, Kevin	Tech II	USAE	10
Bernard, Christopher	Tech II	USAE	10
Vance, Earl	Tech II	USAE	10
Manthey, Wayne	Tech II	USAE	10
Davis, Scott	Tech II	USAE	10
Brown, Kenneth	Tech II	USAE	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

APPENDIX F - DAILY REPORTS

INSPECTIONS AND TESTS PERFORMED																															
Task/Activity Inspected		Inspection Performed		Tests		Findings																									
Schonstedt inspection		Daily/Serviceability		QC Check		Pass																									
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass																									
Generator		Daily/ Serviceability		NA		Pass																									
Fire Extinguishers		Monthly		NA		Pass																									
First Aid Kit		Monthly		NA		Pass																									
Field Vehicles		Daily/Weekly		NA		Pass																									
Site Communication / 2 Way Radios		Daily		Radio Check		Pass																									
COMMENTS (acceptance status, inspection findings, etc.): None																															
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS																															
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1 and DSA#3. Database management of MRSIMS.																															
Planned Work / Test for Tomorrow: Continue with intrusive investigation																															
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation																															
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Severe cold weather, snow and freezing rain caused shutdown of site for safety concerns on 2-5-14.																															
VISITORS AND DISCUSSIONS:																															
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION																															
<table border="1"> <tr> <td colspan="2">Inspection Performed By:</td> <td colspan="2">NA</td> <td colspan="2">Signature of Inspector:</td> <td colspan="2">NA</td> </tr> <tr> <td colspan="2">Accumulation / Stockpile Area Inspected:</td> <td colspan="6">NA</td> </tr> <tr> <td>No of Containers:</td> <td>NA</td> <td>No of Tanks</td> <td>NA</td> <td>No of Roll-Off Boxes:</td> <td>NA</td> <td>No. of Drums</td> <td>NA</td> </tr> </table>								Inspection Performed By:		NA		Signature of Inspector:		NA		Accumulation / Stockpile Area Inspected:		NA						No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Performed By:		NA		Signature of Inspector:		NA																									
Accumulation / Stockpile Area Inspected:		NA																													
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA																								
Inspection Results: NA																															
GENERAL COMMENTS																															
General Comments~ (rework, directives, etc.):																															
ATTACHMENTS																															
List of Attachments: Daily QC Report, Daily PTSP, Chris Rose return to work note from doctor.																															
<div style="display: flex; justify-content: space-between;"> <div> Jonathan Waldron Kevin Lombardo </div> <div>2/6/14</div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div>PREPARER'S SIGNATURE</div> <div>DATE</div> </div>																															

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/06/2014

LOCATION OF WORK: DSA 1, DSA 3

DESCRIPTION OF WORK: Terrestrial Reacquisition/Intrusive Anomaly Investigation/Resolution

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☒ (WINDY)
TEMPERATURE: MIN: 17 °F MAX: 30 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor USA Environmental continued the intrusive investigation of DSA 1 today completing investigation of 41 anomalies.

CH2M Hill's subcontractor USA Environmental continued the intrusive investigation of DSA3 today. A total of 85 targets investigated. Two alternate targets were added to replace two that were underwater. Of 85 targets investigated in DSA3 83 were found to be no contact.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Performed QC inspection of completed anomalies in DSA 3 and verified all no contacts with EM 61.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

Of 85 targets investigated in DSA3 83 were found to be no contact.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Former Raritan Arsenal Location: Edison, NJDate: 2/6/14Supervisor: C. Rose / K. Lombardo JobActivity: Intrusive investigation

Attendees:

Print Name

Sign Name

See Attached

List Tasks and verify that applicable AHAs have been reviewed:

General Site Safety, UXO MEC Safety, Intrusive investigation

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

Hand tools, RTK GPS, Radios

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input checked="" type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

UXO - MEC. Heavy rain on 2/5/14 and freezing conditions cause increased slip+fall Hazards. briefed in H&S target

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>No work on 2/5/14 due to poor weather</u> <u>Rain cuts</u>			

Name (Print):

Signature:

Date:

F-476

**MID ATLANTIC ORTHOPEDIC
ASSOCIATES, LLP.**

Kenneth S. Klein, M.D. Lewis J. Levine, M.D. Richard A. Klein, M.D.

69 Brunswick Woods Drive • East Brunswick, NJ 08816 732-238-8800

Date:

2/26/14

This is to certify that:

Christopher Rose

Has been under my care for the following:

Right Wrist Fracture

and is able to return to

☐ work☐ school

on:

Remarks:

Patient can return to
work lifting no more
than 5 pounds.

Signature:

Lewis J. Levine MD



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		058			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-7-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, sunny		PM WEATHER:	Cold, sunny		MAX TEMP (F):	22	MIN TEMP (F):	3

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 USACE and CH2M HILL geophysical team members discuss issues and QC failures of DSA's recently investigated. Number of "no finds" causing issues with statistical proportions, data quality and anomaly selection process.
 Field teams continue to reacquire and investigate anomalies and via intrusive measures in Area 12.
 Safe Behavior Observation done on intrusive investigation team in DSA#1 for operations in icy conditions.
 New Jersey One Call Dig Ticket Submitted for Area 10 to make out utilities near fenced in portion of work area.
69 total anomalies investigated today. 15 for DSA #1: 14 investigated and 1 other- not investigated. DSA#3: 8 investigated, 7 no finds, 1 QC seed. Area 12: 46 total anomalies investigated, 14 no finds, 8 underwater- not investigated, 1 QC seed.

Summary of results to date

Areas to be Intrusively Investigated	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Intrusively Investigated to Date	Number of Individual Anomalies Remaining to be Intrusively Investigated
DSA #1	207	No	227	0
DSA #2	215	Partial	216	0
DSA #3	126	No	126	0
Area 10 (Part 1)	135	No	0	135
Area 12 OB/OD and Formerly Unmapped Areas	194	No	89	105
Area 13	N/D	No	0	---
DSA #5	232	Partial	0	232

Areas to be Investigated via TEMTADS	Number of Individual Anomalies for Investigation	Investigation via TEMTADS	Number of Individual Anomalies Investigated to Date	Number of Individual Anomalies Remaining to be Investigated
DSA #2	43*	Partial	43*	0
DSA #5	30*	Partial	30*	0
Area 18D (MCC Property)	205	Yes	205	0

- Numbers of anomalies increased in field due to targets unable to be investigated underwater.
- Number of anomalies for TEMTADS in DSA#5 adjusted based on HFD, equipment availability, scheduling and time constraints. Remaining anomalies in DSA#5 will be investigated using intrusive measures.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:


Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

APPENDIX F - DAILY REPORTS

TAILGATE TOPICS: Safe field operations, PPE, Hydration, Slips, Trips and Falls, Intrusive investigation safety. Footing and traction control, Heavy snow fall covering areas and rain paired with freezing conditions increases possibility for slip and fall.

SAFE BEHAVIOR OBSERVATIONS: Intrusive investigations in icy conditions

	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	30
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	110
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	140
		<i>Cumulative Total of Work Hours From Previous Report</i>	6,880
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total Work Hours From Start of Construction	7,037

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	10
Matter, Phillip	Tech III	USAE	10
Schmidt, Paul	Tech III	USAE	10
Litvjak, Andrew	Tech II	USAE	10
Coble, Richard	Tech II	USAE	10
Massey, Kevin	Tech II	USAE	10
Bernard, Christopher	Tech II	USAE	10
Vance, Earl	Tech II	USAE	10
Manthey, Wayne	Tech II	USAE	10
Davis, Scott	Tech II	USAE	10
Brown, Kenneth	Tech II	USAE	10

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

APPENDIX F - DAILY REPORTS

INSPECTIONS AND TESTS PERFORMED							
Task/Activity Inspected		Inspection Performed		Tests		Findings	
Schonstedt inspection		Daily/Serviceability		QC Check		Pass	
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass	
Generator		Daily/ Serviceability		NA		Pass	
Fire Extinguishers		Monthly		NA		Pass	
First Aid Kit		Monthly		NA		Pass	
Field Vehicles		Daily/Weekly		NA		Pass	
Site Communication / 2 Way Radios		Daily		Radio Check		Pass	
COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS							
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. Reacquisition of anomalies and intrusive investigation of anomalies in DSA#1, DSA#3 and Area 12. Database management of MRSIMS.							
Planned Work / Test for Tomorrow: None. Break for weekend. Return to work on Monday 2-10-14							
Planned Work / Test for Next Week: Reacquisition of anomalies and intrusive investigation							
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): <i>On 02/06/14; DSA#1 and DSA#3 did not meet QC screening criteria and are failed by the USACE Geophysicist base on the anomaly selection process and the number of "No Finds" in the field. CH2M HILL and USACE teams continue to discuss path forward in areas and revise anomaly screening and selection process.</i>							
VISITORS AND DISCUSSIONS:							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.):							
ATTACHMENTS							
List of Attachments: Daily QC Report, Daily PTSP, Chris Rose return to work note from doctor.							
Jonathan Waldron Chris Rose						2/7/14	
PREPARER'S SIGNATURE						DATE	

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/07/2014

LOCATION OF WORK: DSA 1, DSA 3, Area 12

DESCRIPTION OF WORK: Terrestrial Reacquisition/Intrusive Anomaly Investigation/Resolution

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☐ (WINDY)
TEMPERATURE: MIN: 22 °F MAX: 31 °F.

1. Work completed today by subcontractor:

CH2M HILLs subcontractor USA Environmental continued the intrusive investigation of DSA 1 today completing investigation of 14 anomalies. This completes the intrusive investigation of DSA 1 pending results of final QC Inspection.

CH2M HILLs subcontractor USA Environmental completed the intrusive investigation of DSA3 today. A total of 8 targets investigated.

CH2M Hill's subcontractor USA Environmental continued the intrusive investigation of Area 12 today completing investigation of 46 anomalies 14 of which were No Contacts. Eight additional anomalies were covered with ice and water and were not investigated these will be replaced with alternates.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the intrusive investigation teams.

Monitored work practices and procedures of the Anomaly reacquisition teams.

Performed QC inspection of completed anomalies in DSA 3, DSA 1 and Area 12 and verified all no contacts with EM 61. Performed QC inspection of Anomaly Reacquisition.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

Of 126 targets investigated in DSA3 114 were found to be no contact.

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

Date: 02-07-2014

Contractor: CH2M Hill

Project: RI/FS Former Raritan Arsenal

<ul style="list-style-type: none"> Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE 	
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes

IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION, AND LIST PERSONNEL PRESENT

Terrestrial Anomaly Reacquisition Dredge Spoil Area 3 and Area 12.
Michael Malko
Chris Rose
Jonathon Waldron
Gildea, Patrick
Matter, Phillip
Schmidt, Paul
Litvjak, Andrew
Coble, Richard
Massey, Kevin
Bernard, Christopher
Vance, Earl
Manthey, Wayne
Davis, Scott

INSPECTIONS PERFORMED & WHO PERFORMED TEST

UXOQC Monitored work practice and procedures to insure compliance with Work Plan APP and SOPS.
UXOQC monitored the setup of RTK Rover. Both reacquire teams located benchmark #700 prior to operations. Margin of error for team 1 was .002 m North .003 West. Margin of error for team 2 was .004 meters North .006 meters East
UXOQC inspected/verified targets identified as "No Contacts" in DSA 3 and Area 12 locations were correct



02-07-2014

Project QC Specialist

Date

GH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

 Project: RIFTS BARITAN Location: EDISON NJ
 Date: 7 FEB 14
Supervisor: CHRIS ROSE JobActivity: ANOMALY REACQUISITION
ANOMALY INVESTIGATION

Attendees:

Print Name

Sign Name

SEE LIST

List Tasks and verify that applicable AHAs have been reviewed:

Intrusive investigation, General Site Safety, UXO-MEC safety

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

handtools, EM-GI, RTK-GPS,

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

ICE COVERED WATER

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input checked="" type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>Ice covered field conditions</u>			

Name (Print): M A MALKC
 Signature: [Signature]

Date: 7 FEB 14

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet

Today's Date:

[illegible]

CH2MHILL

Safe Behavior Observation Form

☒ Federal ☐ Commercial (check one)
☐ International ☐ Construction or ☒ Consulting (check one)

Project Number (required): 427940 Client/Program: USAE

Project Name: Raritan Observer: J. Walker Date: 2/7/14

Position/Title of worker observed: USAE Dig team Background Information/ comments: Intrusive Investigation

Task/Observation Observed: Intrusive Investigation

- ❖ Identify and reinforce safe work practices/behaviors
- ❖ Identify and improve on at-risk practices/acts
- ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards
- ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?)
- ❖ Positive, corrective, cooperative, collaborative feedback/recommendations

Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	✓		Positive Observations/Safe Work Practices: good use of PPE, General work safety + Approach to unsafe areas good.
Properly trained/qualified/experienced	✓		
Tools/equipment available and adequate	✓		
Proper use of tools	✓		
Barricades/work zone control	✓		Questionable Activity/Unsafe Condition Observed: Trey field conditions + parking lots Potential Slip + fall hazards
Housekeeping	✓		
Communication	✓		
Work Approach/Habits	✓		
Attitude	✓		Observer's Corrective Actions/Comments: Proper use of PPE + engineering Controls to avoid slips + falls. Parking in gravel areas w/ good traction
Focus/attentiveness	✓		
Pace	✓		
Uncomfortable/unsafe position	✓		
Inconvenient/unsafe location	✓		Observed Worker's Corrective Actions/Comments:
Position/Line of fire	✓		
Apparel (hair, loose clothing, jewelry)	✓		
Repetitive motion	✓		
Other...			

For ES Federal Sector projects please email completed forms to: CH2MHILL.ES.FED.Safe.Behavior.Observation

For ES Commercial Sector projects please email completed forms to: CH2MHILL.ES.COM.Safe.Behavior.Observation

For CNR ES staff please email completed forms to: cnressafe@ch2m.com

For International ES projects please e-mail completed forms to: ESINTLSafeBehaviorObservation@ch2m.com



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		061			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-17-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, partly cloudy		PM WEATHER:	Cold, partly cloudy		MAX TEMP (F):	32	MIN TEMP (F):	22

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL and NAEVA Geophysical field staff mobilize to site.
CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
VARGO surveyors arrive and survey in QC seeds in DSA#1, DSA#3 and Area 12 in preparation for DGM of areas.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Footing and traction control, Heavy snow fall covering areas and rain with freezing conditions increases possibility for slip and fall. Proper lifting techniques, safe driving, demobilization from site.

SAFE BEHAVIOR OBSERVATIONS: None for today.

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	16
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	16
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	32
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7,105
			Total Work Hours From Start of Construction	7,272

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	8
Jonathan Waldron	SSHO/ Database manager.	SSHO	8
Chris Rose	Senior UXO Supervisor	SUXOS	8

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Gildea, Patrick	SUXOS	USAE	0

APPENDIX F - DAILY REPORTS

Matter, Phillip	Tech III	USAE	0
Schmidt, Paul	Tech III	USAE	0
Litvjak, Andrew	Tech II	USAE	0
Coble, Richard	Tech II	USAE	0
Massey, Kevin	Tech II	USAE	0
Bernard, Christopher	Tech II	USAE	0
Vance, Earl	Tech II	USAE	0
Manthey, Wayne	Tech II	USAE	0
Davis, Scott	Tech II	USAE	0
Brown, Kenneth	Tech II	USAE	0

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL

INSPECTIONS AND TESTS PERFORMED

Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass

COMMENTS (acceptance status, inspection findings, etc.): None

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS

Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections.
Surveying in QC seeds in DSA#1, DSA#3 and Area 12.

Planned Work / Test for Tomorrow: DGM

Planned Work / Test for Next Week: DGM

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

APPENDIX F - DAILY REPORTS

VISITORS AND DISCUSSIONS:							
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		NA		Signature of Inspector:		NA	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA							
GENERAL COMMENTS							
General Comments~ (rework, directives, etc.):							
ATTACHMENTS							
List of Attachments: Daily QC Report, Daily PTSP, MDAS certification.							
				Jonathan Waldron		2/17/14	
				Chris Rose			
				PREPARER'S SIGNATURE		DATE	

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/17/2014

LOCATION OF WORK: Area 12 (Northern Area and Formerly Unmapped Areas.)
DSA1. DSA3

Land Survey (Boundary/Transect Stake Establishment)

DESCRIPTION OF WORK: Terrestrial DGM surveys

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (Snow) ☐ (WINDY)

TEMPERATURE: MIN: 22 °F MAX: 32 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor VARGO surveyed the location of blind seeds.

2. Work completed today by QC inspection staff :

Monitored work practices and procedures of the survey team.

CH2M Hills UXOQC placed 3 blind seeds in Area 12, 2 blind seeds in DSA1 and 2 blind seeds in DSA1 in preparation for the DGM rework of those areas. Locations were recorded in UXOQC logbook.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RI FS RARITAN</u>		Location: <u>EDISON NJ</u>
Date: <u>17 FEB 2014</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: <u>BLIND SEA SURVEY</u>		
Attendees:	Print Name	Sign Name
	<u>M.A. MALKO</u>	<u>M. Malco</u>
	<u>PHIL SCHAEFFER</u>	<u>Phil Schaeffer</u>
	<u>JAMES C QUINN</u>	<u>James C Quinn</u>
	<u>CHRIS ROSE</u>	<u>Chris Rose</u>
List Tasks and verify that applicable AHAs have been reviewed:		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>RIK HAND TOOLS</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>ICE ON ROAD & PARKING LOTS</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input checked="" type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): M A MALKO
 Signature: [Signature]

Date: 17 FEB 14



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		062			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-18-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	34	MIN TEMP (F):	28

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 NAEVA Geophysical staff onsite to set up and redo DGM areas of Raritan with data quality issues.
 CH2M HILL staff observe LandMarker subcontractor setting up GPS equipment on excavator at Weeks Marine and photo document equipment.
 NAEVA sets up towed array DGM equipment, run through Instrument Verification Strip (IVS) to determine if snow cover will impact results.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Footing and traction control, melting conditions yesterday with freezing conditions today increases possibility for slip and fall. Proper lifting techniques

SAFE BEHAVIOR OBSERVATIONS: None for today.

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 100px; height: 100px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	31
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	20
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	51
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7,156
			<i>Total Work Hours From Start of Construction</i>	7,323

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10
Tamir Klaff	Senior Geophysicist	Geo	1

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	10
Henessey, Dan	DGM	NAEVA	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL
INSPECTIONS AND TESTS PERFORMED			
Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM testing and QC check at IVS			
Planned Work / Test for Tomorrow: DGM			
Planned Work / Test for Next Week: DGM			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):			
VISITORS AND DISCUSSIONS:			
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	Chris Roase	Signature of Inspector:	Chris Rose
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	1 (55 gal)
Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC			
GENERAL COMMENTS			

APPENDIX F - DAILY REPORTS

General Comments~ (rework, directives, etc.):	
ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP, Weeks Marine Excavator photo log	
Jonathan Waldron Chris Rose	2/18/14
PREPARER'S SIGNATURE	DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/18/2014

LOCATION OF WORK: Area 12 (Northern Area and Formerly Unmapped Areas.)
DSA1. DSA3

DESCRIPTION OF WORK: Terrestrial DGM surveys

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Snow) ☐ (WINDY)
TEMPERATURE: MIN: 28 °F MAX: 34 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA mobilized today to rework the Digital Geophysical Mapping .Today was spent setting ip and testing equipment. Data on the IVS was collected and submitted to CH2M Hills head geophysicist, Tamir Klaff, who approved the data collection to move forward.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: _____		Location: <u>Edison, NJ</u>	
Date: <u>2/18/14</u>			
Supervisor: <u>Chris Rose</u>		Job _____	
Activity: <u>DGM</u>			
Attendees:			
Print Name		Sign Name	
<u>Jon Whilden</u>		<u>Jon Whilden</u>	
<u>Jessie Powers</u>		<u>Jessie Powers</u>	
<u>Dan Hennessy</u>		<u>Dan Hennessy</u>	
<u>James Kurek</u>		<u>James Kurek</u>	
<u>M A MALKO</u>		<u>M A MALKO</u>	
<u>Chris Rose</u>		<u>Chris Rose</u>	
List Tasks and verify that applicable AHAs have been reviewed:			
<u>RTK GPS set-up, DGM Set up and testing</u>			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):			
<u>hand tools, RTK, GPS, DGM</u>			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics	
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash	
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress	
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard	
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications	
Other Potential Hazards (Describe):			
<u>Snow, Poor weather, Winter Conditions</u>			

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input checked="" type="checkbox"/> Respiratory <input type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print):

Signature:

Date:



PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

1

Date:
2/18/14

**Weeks Marine
Excavator and
LandMarker
Geospatial**



2

Date:
2/18/14

**Weeks Marine
Excavator and
LandMarker
Geospatial**





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

3

Date:
2/18/14

**Weeks Marine
Excavator Clam
Shell bucket**





CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:	Former Raritan Arsenal	REPORT NO:	063
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	2-19-14
REVISION NUMBER:	1	REVISION DATE:	1-28-14
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	Mark Callaghan	UXO QUALITY MANAGER:	Mike Malko
Senior UXO Supervisor:	Chris Rose	SITE HEALTH & SAFETY OFFICER:	Jonathan Waldron
AM WEATHER:	Cold, light rain	PM WEATHER:	Cold to warm, rain
		MAX TEMP (F):	43
		MIN TEMP (F):	30

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.
 NAEVA Geophysical staff onsite
 CH2M HILL staff observe LandMarker subcontractor setting up GPS equipment on excavator at Weeks Marine and photo document equipment.
 NAEVA sets up towed array DGM equipment, run through Instrument Verification Strip (IVS) and DGM parts of Area 12
 Equipment failure with both the EM-61 and the ARGO resulting in a delay in data collection. New parts to be sent in and ready for collection on Friday.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Footing, slips, trips and falls, field conditions, transportation to and from field location, heavy lifting.

SAFE BEHAVIOR OBSERVATIONS: NAEVA field activities

JOB SAFETY	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	30
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	20
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	50
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7,206
		Total Work Hours From Start of Construction	7,373

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10

USA ENVIRONMENTAL

Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	10
Henessey, Dan	DGM	NAEVA	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL
INSPECTIONS AND TESTS PERFORMED			
Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM			
Planned Work / Test for Tomorrow: DGM			
Planned Work / Test for Next Week: Marine Operations and DGM			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Issues with NAEVA and EM-61 and ARGO. Not operating properly. Wait for parts to arrive to replace EM-61 and trouble shoot ARGO issues.			
VISITORS AND DISCUSSIONS:			
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	Chris Roase	Signature of Inspector:	Chris Rose
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	1 (55 gal)
Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC			
GENERAL COMMENTS			

APPENDIX F - DAILY REPORTS

General Comments~ (rework, directives, etc.):	
ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,	
Jonathan Waldron Chris Rose	2/19/14
PREPARER'S SIGNATURE	DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/19/2014

LOCATION OF WORK: Area 12 (Southern Area)

DESCRIPTION OF WORK: Terrestrial DGM surveys

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☒ (Rain) ☐ (WINDY)

TEMPERATURE: MIN: 30 °F MAX: 43 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA attempted Digital Geophysical Mapping (DGM) of Area 12. Equipment failures including Argo steering and failed EM 61 coil prevented collection of any usable data.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: _____		Location: <u>Edison, NJ</u>	
Date: <u>2/19/14</u>			
Supervisor: <u>Chris Rose</u>		Job _____	
Activity: <u>DGM / Oversight of Subcontractors Marine</u>			
Attendees: Print Name Sign Name			
<u>Dan Hennessy</u>		<u>DH</u>	
<u>Jessie Powers</u>		<u>Jessie Powers</u>	
<u>Sam Walden</u>		<u>Sam Walden</u>	
<u>LAURE KLAR</u>		<u>LAURE KLAR</u>	
<u>Chris Rose</u>		<u>Chris Rose</u>	
<u>M A MARKO</u>		<u>M A MARKO</u>	
List Tasks and verify that applicable AHAs have been reviewed:			
<u>DGM, Setup of GPS systems on Excavator</u>			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):			
<u>DGM, Acg, handtools, Power tools, RTK GPS</u>			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics	
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash	
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills <u>refueling</u>	<input type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress	
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard	
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications	
Other Potential Hazards (Describe):			
<u>Potential UXO-MEC, Slippery weather conditions / Ice</u>			

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input checked="" type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>DGM in Snow</u> 			

Name (Print): Jacky J. J. J.
 Signature: [Signature]

Date: 2/19/14

CH2MHILL

Safe Behavior Observation Form			
<input checked="" type="checkbox"/> Federal or <input type="checkbox"/> Commercial Sector (check one)		<input type="checkbox"/> Construction or <input checked="" type="checkbox"/> Consulting (check one)	
Project Number: 427946		Client/Program: USA Corps of Engineers /Munitions Response	
Project Name: RI/FS Raritan Arsenal		Observer: Michael Malko	Date: 02/19/2014
Position/Title of worker observed: Geophysical Technician		Background Information/ comments:	
Task/Observation Observed: MMRP Remedial Investigation/ / DGM Equipment Set Up			
<ul style="list-style-type: none"> ❖ Identify and reinforce safe work practices/behaviors ❖ Identify and improve on at-risk practices/acts ❖ Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards ❖ Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?) ❖ Positive, corrective, cooperative, collaborative feedback/recommendations 			
Actions & Behaviors	Safe	At-Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Practices: During Digital Geophysical Mapping on the Former Raritan Arsenal the Geo Technicians were observed assembling the Geophysical Mapping Equipment. All team members were properly outfitted in level D PPE to include boots, safety glasses, and high visibility vest. A pre task/tailgate was given. Proper lifting techniques were used during the assembly process. All work was IAW the Raritan Work Plan and AHAs.
Properly trained/qualified/experienced	X		
Tools/equipment available and adequate	X		
Proper use of tools	X		Questionable Activity/Unsafe Condition Observed: None
Barricades/work zone control	NA		
Housekeeping	X		
Communication	X		
Work Approach/Habits	X		
Attitude	X		
Focus/attentiveness	X		Observer's Corrective Actions/Comments: NA
Pace	X		
Uncomfortable/unsafe position	X		
Inconvenient/unsafe location	X		
Position/Line of fire	NA		
Apparel (hair, loose clothing, jewelry)	X		
Repetitive motion	X		Observed Worker's Corrective Actions/Comments:
Other...			

For ES Federal Sector projects please email completed forms to: [CH2M HILL ES FED Safe Behavior Observation](#)For ES Commercial Sector projects please email completed forms to: [CH2M HILL ES COM Safe Behavior Observation](#)For CNR ES staff please email completed forms to: cnressafe@ch2m.com



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		065			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-21-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly sunny		PM WEATHER:	Partly sunny		MAX TEMP (F):	45	MIN TEMP (F):	38

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL and NAEVA personnel conducted tailgate safety brief and filled out Pre Task Safety Plan. NAEVA set up towed array DGM equipment and ran through Instrument Verification Strip (IVS). DGM was completed on transects 4, 5 and a portion 6 of DSA 1.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

Field work cancelled at 1530 due to lightning in the area and heavy rain.

TAILGATE TOPICS: Footing, slips, trips and falls, field conditions, transportation to and from field location, UXO, heavy construction traffic in and around the work area.

SAFE BEHAVIOR OBSERVATIONS:

<div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 60px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	20
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	20
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	40
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7409
			Total Work Hours From Start of Construction	7449

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	0
Chris Rose	Senior UXO Supervisor	SUXOS	10

NAEVA

Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	10
Henessey, Dan	DGM	NAEVA	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
Job Trailer (Modspace rental)		ModSpace 10'x44'		291159		CH2M HILL	
Generator (Sunbelt Rental)		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400		NA		CH2M HILL	
Metal detector		Schonsted		NA		CH2M HILL	
GPS Equipment		Trimble		Rental		CH2M HILL	
Rental vehicles (5)		Enterprise Vehicle Rentals		Enterprise Rental		CH2M HILL	
ARGO UTV		ARGO		ARGO 1		CH2M HILL	
INSPECTIONS AND TESTS PERFORMED							
Task/Activity Inspected		Inspection Performed		Tests		Findings	
Schonstedt inspection		Daily/Serviceability		QC Check		Pass	
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass	
Generator		Daily/ Serviceability		NA		Pass	
Fire Extinguishers		Monthly		NA		Pass	
First Aid Kit		Monthly		NA		Pass	
Field Vehicles		Daily/Weekly		NA		Pass	
Site Communication / 2 Way Radios		Daily		Radio Check		Pass	
COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS							
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM							
Planned Work / Test for Tomorrow: DGM							
Planned Work / Test for Next Week: Marine Operations and DGM							
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Field work cancelled at 1530 due to lightning in the area and heavy rain.							
VISITORS AND DISCUSSIONS:							
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		Chris Roase		Signature of Inspector:		Chris Rose	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	1 (55 gal)
Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC							
GENERAL COMMENTS							

APPENDIX F - DAILY REPORTS

General Comments~ (rework, directives, etc.):	
ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,	
Chris Rose	2/21/14
PREPARER'S SIGNATURE	DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/21/2014

LOCATION OF WORK: DSA 1

DESCRIPTION OF WORK: Terrestrial DGM Surveys

WEATHER: ☐ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☒ (Rain) ☐ (WINDY)
TEMPERATURE: MIN: 36 °F MAX: 42 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 1. Equipment was tested in the IVS pre and post operations. Transects DSA1-4, 5 and a portion of 6 were mapped and data is awaiting QC. Rain and lightning halted collection @15:30 today.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RI FS RARITAN</u>		Location: <u>Edison NJ</u>
Date: <u>21 FEB 2014</u>		
Supervisor: <u>CHRIS ROSE</u>		Job
Activity: <u>DGM MAPPING</u>		
Attendees:	Print Name	Sign Name
	<u>Jessie Powers</u>	<u>Jessie Powers</u>
	<u>Don Hanassy</u>	<u>Don Hanassy</u>
	<u>Chris Rose</u>	<u>Chris Rose</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DRIVING, UTU OPERATION, LIFTING</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>EM 61 ARGO HAND TOOLS</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input checked="" type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print):

Signature:

M A MALKC
M A MALKC

Date:

21 FEB 14



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		066	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-22-14	
REVISION NUMBER:		1		REVISION DATE:		1-28-14	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Sunny	PM WEATHER:	Sunny	MAX TEMP (F):	56	MIN TEMP (F):	34

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL and NAEVA personnel conducted tailgate safety brief and filled out Pre Task Safety Plan.

NAEVA set up towed array DGM equipment and ran through Instrument Verification Strip (IVS). DGM was completed on transects 6 of DSA 1 completing DGM in DSA1. DGM was started in Area 12 completing transects 4, 5, 6, 7, 8 and 9.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Footing, slips, trips and falls, field conditions, transportation to and from field location, UXO, heavy construction traffic in and around the work area.

SAFE BEHAVIOR OBSERVATIONS:

	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CH2M HILL On-Site Hours	20
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Subcontractor On-Site Hours	20
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total On-Site Hours This Date	40
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>Cumulative Total of Work Hours From Previous Report</i>	7409
			Total Work Hours From Start of Construction	7449

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	0
Chris Rose	Senior UXO Supervisor	SUXOS	10

NAEVA

Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	10
Henessey, Dan	DGM	NAEVA	10

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
Job Trailer (Modspace rental)		ModSpace 10'x44'		291159		CH2M HILL	
Generator (Sunbelt Rental)		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400		NA		CH2M HILL	
Metal detector		Schonsted		NA		CH2M HILL	
GPS Equipment		Trimble		Rental		CH2M HILL	
Rental vehicles (5)		Enterprise Vehicle Rentals		Enterprise Rental		CH2M HILL	
ARGO UTV		ARGO		ARGO 1		CH2M HILL	
INSPECTIONS AND TESTS PERFORMED							
Task/Activity Inspected		Inspection Performed		Tests		Findings	
Schonstedt inspection		Daily/Serviceability		QC Check		Pass	
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass	
Generator		Daily/ Serviceability		NA		Pass	
Fire Extinguishers		Monthly		NA		Pass	
First Aid Kit		Monthly		NA		Pass	
Field Vehicles		Daily/Weekly		NA		Pass	
Site Communication / 2 Way Radios		Daily		Radio Check		Pass	
COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS							
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM							
Planned Work / Test for Tomorrow: DGM							
Planned Work / Test for Next Week: Marine Operations and DGM							
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):							
VISITORS AND DISCUSSIONS:							
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		Chris Roase		Signature of Inspector:		Chris Rose	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	1 (55 gal)
Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC							
GENERAL COMMENTS							

APPENDIX F - DAILY REPORTS

General Comments~ (rework, directives, etc.):	
ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,	
Jonathan Waldron Chris Rose	2/22/14
PREPARER'S SIGNATURE	DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/22/2014

LOCATION OF WORK: DSA 1, Area 12 (South)

DESCRIPTION OF WORK: Terrestrial DGM Surveys

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Rain) ☐ (WINDY)
TEMPERATURE: MIN: 32 °F MAX: 50 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA continued Digital Geophysical Mapping (DGM) of DSA 1 and Area 12 (South). Equipment was tested in the IVS pre and post operations. Transects DSA1-6 in DSA1 and transects T12T- 4, 5, 6, 7, 8, and 9, were mapped and data is awaiting QC.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

GH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RTFS RABBIT IV</u>		Location: <u>EDISON NV</u>	
Date: <u>22 FEB 14</u>			
Supervisor: <u>CHRIS ROSE</u>		Job: _____	
Activity: <u>DGM TRAUSETS</u>			
Attendees:			
Print Name		Sign Name	
<u>Dan Hennessey</u>		<u>Dan Hennessey</u>	
<u>Jessie Powers</u>		<u>Jessie L Powers</u>	
<u>Chris Rose</u>		<u>Chris Rose</u>	
<u>MA MALKI</u>		<u>MA MALKI</u>	
List Tasks and verify that applicable AHAs have been reviewed:			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):			
<u>EM 61, ARGO HAND TOOLS</u>			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics	
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash	
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects	
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile	
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard	
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress	
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard	
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment	
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms	
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition	
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications	
Other Potential Hazards (Describe):			

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): M. A. MALIK
 Signature: [Signature]

Date: 22 FEB 14



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		067	
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-23-14	
REVISION NUMBER:		1		REVISION DATE:		1-28-14	
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ	
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation	
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron	
AM WEATHER:	Sunny	PM WEATHER:	Sunny	MAX TEMP (F):	54	MIN TEMP (F):	28

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL and NAEVA personnel conducted tailgate safety brief and filled out Pre Task Safety Plan.

NAEVA set up towed array DGM equipment and ran through Instrument Verification Strip (IVS). DGM was completed in DSA 3 and Area 12.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP.

Daily inspections of equipment onsite.

TAILGATE TOPICS: Footing, slips, trips and falls, field conditions, transportation to and from field location, UXO.

SAFE BEHAVIOR OBSERVATIONS:

	Was A Job Safety Meeting Held This Date? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CH2M HILL On-Site Hours	22
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Subcontractor On-Site Hours	22
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Total On-Site Hours This Date	44
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>Cumulative Total of Work Hours From Previous Report</i>	7449
			Total Work Hours From Start of Construction	7493

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	11
Jonathan Waldron	SSHO/ Database manager.	SSHO	0
Chris Rose	Senior UXO Supervisor	SUXOS	11

NAEVA

Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	11
Henessey, Dan	DGM	NAEVA	11

APPENDIX F - DAILY REPORTS

EQUIPMENT ON HAND							
Description of Equipment		Make/Model/Manufacturer		Equipment ID Number		Inspection Performed By	
Job Trailer (Modspace rental)		ModSpace 10'x44'		291159		CH2M HILL	
Generator (Sunbelt Rental)		Ingersoll Rand G70		341125 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400		NA		CH2M HILL	
Metal detector		Schonsted		NA		CH2M HILL	
GPS Equipment		Trimble		Rental		CH2M HILL	
Rental vehicles (5)		Enterprise Vehicle Rentals		Enterprise Rental		CH2M HILL	
ARGO UTV		ARGO		ARGO 1		CH2M HILL	
INSPECTIONS AND TESTS PERFORMED							
Task/Activity Inspected		Inspection Performed		Tests		Findings	
Schonstedt inspection		Daily/Serviceability		QC Check		Pass	
GPS Equipment		Daily/Serviceability		Function and accuracy		Pass	
Generator		Daily/ Serviceability		NA		Pass	
Fire Extinguishers		Monthly		NA		Pass	
First Aid Kit		Monthly		NA		Pass	
Field Vehicles		Daily/Weekly		NA		Pass	
Site Communication / 2 Way Radios		Daily		Radio Check		Pass	
COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS							
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM							
Planned Work / Test for Tomorrow: DGM							
Planned Work / Test for Next Week: Marine Operations and DGM							
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):							
VISITORS AND DISCUSSIONS:							
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION							
Inspection Performed By:		Chris Roase		Signature of Inspector:		Chris Rose	
Accumulation / Stockpile Area Inspected:		NA					
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	1 (55 gal)
Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC							
GENERAL COMMENTS							

APPENDIX F - DAILY REPORTS

General Comments~ (rework, directives, etc.):

ATTACHMENTS

List of Attachments: Daily QC Report, Daily PTSP,

Jonathan Waldron

2/23/14

Chris Rose

PREPARER'S SIGNATURE

DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/23/2014

LOCATION OF WORK: DSA 3, Area 12 (Formerly Unmapped Areas) Area 12 (North)

DESCRIPTION OF WORK: Terrestrial DGM Surveys

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Rain) ☐ (WINDY)
TEMPERATURE: MIN: 32 °F MAX: 50 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 3, Area 12 (Formerly Unmapped Areas) and Area 12 (North). Equipment was tested in the IVS pre and post operations. Transects DSA 3-1 thru 13 in DSA 3 and transects T12T- 10 thru 24 were mapped and data is awaiting QC.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

GH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>R/VFS RAILCAR</u>		Location: <u>EDISON NJ</u>
Date: <u>23 FEB 14</u>		
Supervisor: _____		Job _____
Activity: <u>DGM TRAVERSE</u>		
Attendees: Print Name Sign Name		
<u>Don Hennessey</u>		<u>Don Hennessey</u>
<u>Jessie Powers</u>		<u>Jessie Powers</u>
<u>M A MACK</u>		<u>M A MACK</u>
<u>CHRIS ROSE</u>		<u>CHRIS ROSE</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DRIVING UTV OPERATION</u>		
<u>USE OF HAND TOOLS</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> Reviewed and approved by HSM <input checked="" type="checkbox"/> On site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>MUDDY AREAS OTHER WORKER</u> <u>W/ HEAVY EQUIPMENT IN AREA</u>			

Name (Print): MA MALKO
 Signature: [Signature]

Date: 23 FEB 17



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		68			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-24-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	38	MIN TEMP (F):	34

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan.

NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 5. Data collection was hindered due to the melting of the ice causing some transects to be underwater.

USA Environmental and Weeks Marine began the underwater anomaly investigation of Area 12 OBOD. Barges were positioned near the anomaly #5 (see attached figure for anomaly clusters investigated) and both magnet and clamshell methods were used to investigate the area. No metallic anomalies were recovered; only one vehicle tire was recovered.

Anomaly clusters 1 & 2 in Area 12 are too close to shore and in close proximity to underwater power cable. Cannot safely position barge in area. Will advise and get new targets in area to make up.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP. Daily inspections of equipment onsite.

TAILGATE TOPICS: Cold weather operations, water safety, PPE, pinch points, slips, trips and falls, 3 points of contact, housekeeping, Marine UXO-MEC Operations.

SAFE BEHAVIOR OBSERVATIONS: None for today

	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	57
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	142
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	199
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7493
			Total Work Hours From Start of Construction	7692

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	11
Jonathan Waldron	SSHO	SSHO	12
Chris Rose	Senior UXO Supervisor	SUXOS	10
David Neslon	Senior Technical Consultant	STC	12
George DeMetropolis	UXO Safety	UXOSO	12

SubContractors

Employee	Work Performed	Title/Trade	Hours
See Attached	Marine Investigation	Weeks Marine	36

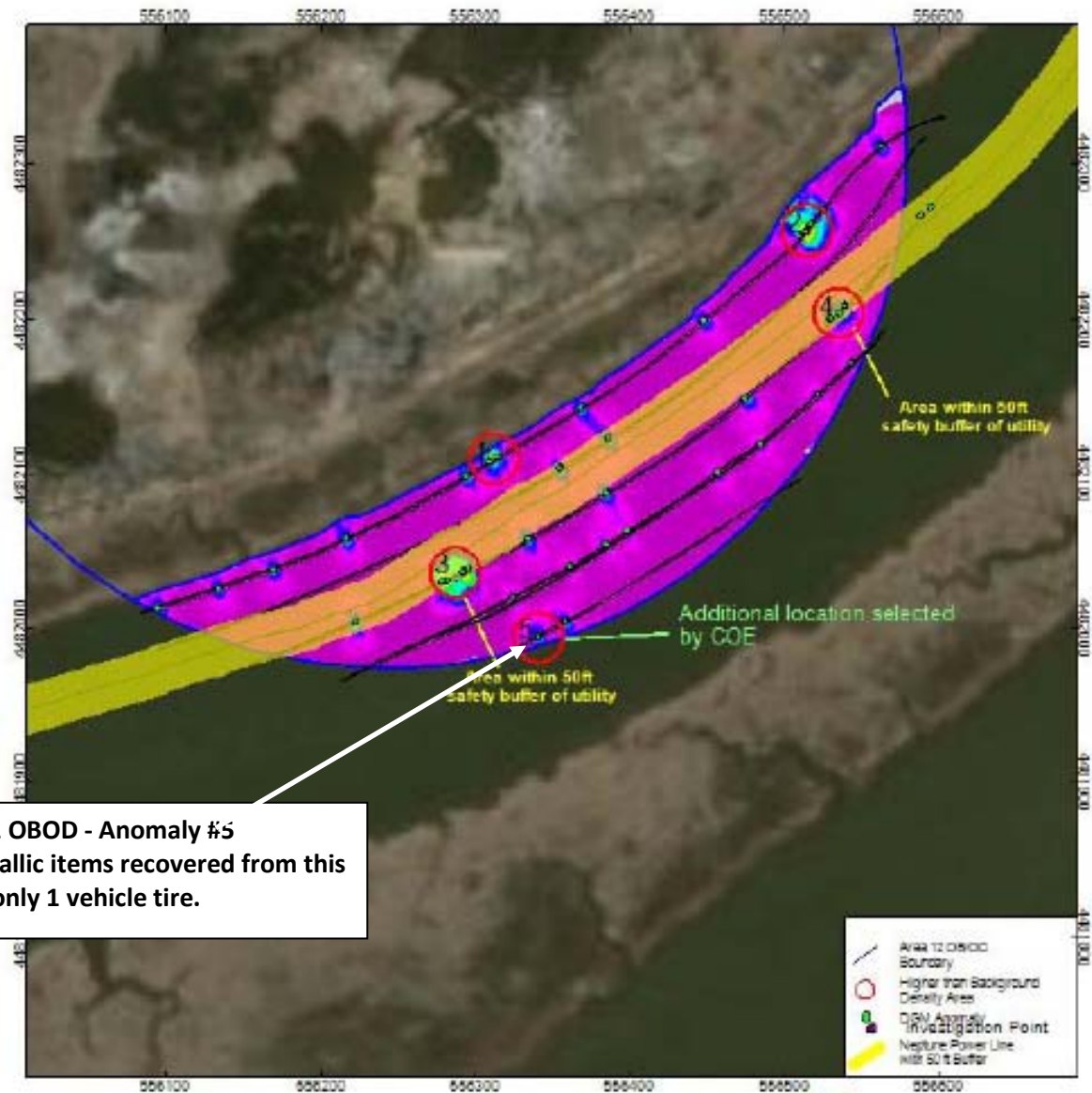
APPENDIX F - DAILY REPORTS

See Attached	DGM	NAEVA	22
See Attached	UXO investigation	USA Environmental	24
See Attached	Crew Boat	NSM	36
See Attached	Power Cable	CME	12
See Attached	GPS	Land Marker	12
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL
INSPECTIONS AND TESTS PERFORMED			
Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM, Area 12 and Area 13 Marine Investigation			
Planned Work / Test for Tomorrow: DGM			
Planned Work / Test for Next Week: Marine Operations			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Switching from Magnet to Clamshell bucket on excavator takes 2-3 hours and is slowing down progress.			
VISITORS AND DISCUSSIONS:			
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	Chris Roase	Signature of Inspector:	Chris Rose
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	1 (55 gal)

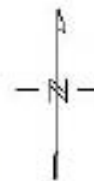
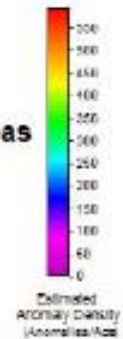
APPENDIX F - DAILY REPORTS

Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC	
GENERAL COMMENTS	
General Comments~ (rework, directives, etc.): Weeks Marine and LandMarker equipment forced delays and down time.	
ATTACHMENTS	
List of Attachments: Anomaly Map, Daily QC Report, Daily PTSP, Subcontractor reports,	
Jonathan Waldron	2/24/14
Chris Rose	
PREPARER'S SIGNATURE	DATE

Area 12 Underwater Investigation Locations



Area 12 Underwater Investigation Areas
Former Raritan Arsenal
Edison, New Jersey





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

1

Date:
02/24/14

View of barge,
crew boat and Tug
Boat for
Underwater
Investigation



2

Date:
02/24/14

Excavator Cat
5110B long reach
used for
underwater
investigation of
anomalies





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

3

Date:
02/24/14

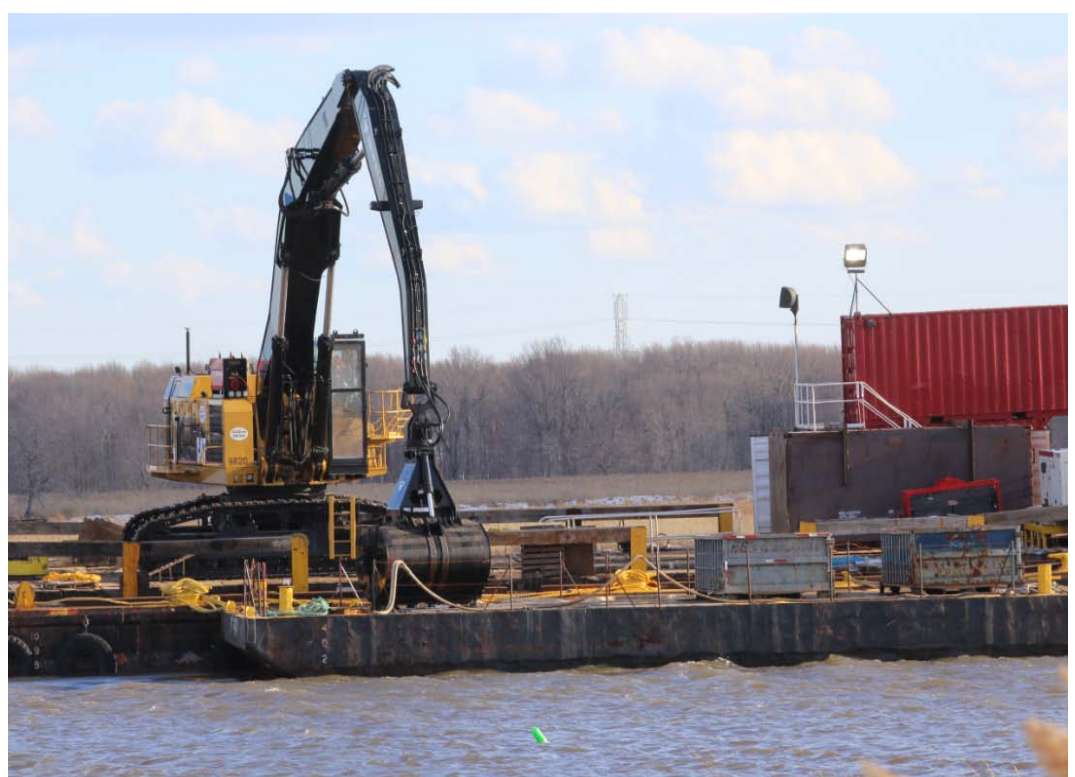
Excavator with
electro-magnet
attachment.



4

Date:
02/24/14

Excavator after
investigation
anomaly cluster #5
at Area 12



DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/24/2014

LOCATION OF WORK: DSA 5, Area 12 (Water) Area 13 (Water)

DESCRIPTION OF WORK: Terrestrial DGM Surveys

4

WEATHER: ☒ (CLEAR) ☐ (FOG) ☐ (P.CLOUDY) ☐ (Rain) ☒ (WINDY)

TEMPERATURE: MIN: 36 °F MAX: 38 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 5, Equipment was tested in the IVS pre and post operations. Data collection was hindered due to the melting of the ice causing some transects to be underwater.

CH2M Hill's subcontractor USA Environmental and Weeks Marine began the underwater anomaly investigation of Area 12 OBOD. Barges were positioned near the anomaly and both magnet and clamshell methods were used to investigate the area.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

INITIAL PHASE INSPECTION CHECKLIST

Project. RI/FS Former Raritan Arsenal Date: 02/24/2014

Title and No. of SSWP Section: **3.10.2.2 Underwater DGM Anomalies Reacquisition**
3.10.3.2 Underwater Anomalies Investigation

Description and Location of Work Inspected: Barge Setup/Safety Procedures in Area 13, Area 12 (Raritan River)

A. Key Personnel Present:

<u>Name</u>	<u>Position</u>	<u>Company</u>
<u>George Demotropolis</u>	<u>MR CSP/QC</u>	<u>CH2M Hill</u>
<u>Michael A Malko</u>	<u>QXOQC/Safety</u>	<u>CH2M Hill</u>
<u>Emmett Hopkins</u>	<u>OE Safety</u>	<u>USA CoE</u>

B. Materials being used are in strict compliance with the contract plans and specifications: ☒ Yes ☐ No

If not, explain: _____

C. Procedures and/or work methods witnessed are in strict compliance with the contract specifications: ☒ Yes ☐ No

If not, explain: Reviewed operational and safety procedures and inspected work area
and equipment setup to insure compliance with SSWP and ESS/

D. Workmanship is acceptable: ☒ Yes ☐ No

State where improvement is needed: _____

E. Workmanship is free of safety violations: ☒ Yes ☐ No

If no, corrective action taken: _____



Project Quality Control Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RIPS RARITAN</u>		Location: <u>EDISON NJ</u>																					
Date: <u>24 FEB 14</u>																							
Supervisor: <u>M MALKO</u>		Job																					
Activity: <u>DGM TRAVERSE</u>																							
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Attendees:</td> <td style="width: 35%;">Print Name</td> <td style="width: 35%;">Sign Name</td> </tr> <tr> <td></td> <td><u>Jessie Powers</u></td> <td><u>Jessie L Powers</u></td> </tr> <tr> <td></td> <td><u>Don Hennessey</u></td> <td><u>Don Hennessey</u></td> </tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>			Attendees:	Print Name	Sign Name		<u>Jessie Powers</u>	<u>Jessie L Powers</u>		<u>Don Hennessey</u>	<u>Don Hennessey</u>												
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	<u>Jessie Powers</u>	<u>Jessie L Powers</u>																					
	<u>Don Hennessey</u>	<u>Don Hennessey</u>																					
List Tasks and verify that applicable AHAs have been reviewed:																							
<u>Terrestrial DGM</u>																							
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):																							
<u>EM61 ARGO RTK HAND TOOLS</u>																							
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):																							
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics																					
<input type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash																					
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects																					
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<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition																					
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications																					
Other Potential Hazards (Describe):																							

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input checked="" type="checkbox"/> applicable for this day's work <input checked="" type="checkbox"/> communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print):

Signature:

MA MALFO

Date:

24 FEB 14

GH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Forten Arsenal</u>	Location: <u>Edison</u>																		
Date: <u>2/24/14</u>																			
Supervisor: <u>C. Rose / G. DeMetropolis</u>																			
Activity: <u>Marine investigation</u> <u>Phase II UXO marine investigation</u>																			
Attendees: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Print Name</th> <th style="width: 70%;">Sign Name</th> </tr> </thead> <tbody> <tr><td colspan="2" style="text-align: center;">See Attached</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Print Name	Sign Name	See Attached															
Print Name	Sign Name																		
See Attached																			
List Tasks and verify that applicable AHAs have been reviewed: <u>Marine UXO/MSC investigation, embark + disembarking vessels</u>																			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools): <u>Barge, Tugboat, excavator w/ Magnet + Chisel, Crew boat</u> <u>Hand + Power tools, RTK GPS, pumps, motors, generators</u>																			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):																			
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins																		
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion																		
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<input type="checkbox"/> Aerial lifts/platforms	<input type="checkbox"/> Demolition																		
<input checked="" type="checkbox"/> Poor communications																			
Other Potential Hazards (Describe): <u>Marine Msc/UXO potential contact</u>																			

Hazard Control Measures (Check All That Apply):

PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input checked="" type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input checked="" type="checkbox"/> Underground utils ID'd
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Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input checked="" type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input checked="" type="checkbox"/> As-builts reviewed <input checked="" type="checkbox"/> Interview site staff <input checked="" type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	

Field Notes (including observations from prior day, etc.):

None

Name (Print):

Jon Waldron

Signature:

[Signature]

Date:

2/24/14



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	19
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	24 FEBRUARY 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0645-0730: am safety brief, hook up trailer at staging area, mob to DSA5.

0700-0830: unpack and assemble towed array platform, RTK base station set-up, perform GPS QC.

0830-0930: perform am Static QC and install third IVS in DSA5 with three coil towed array system.

0930-1100: return to base station to aid in GPS verification of underwater data, return to collection area.

1100-1130: perform am IVS with three coil towed array system.

1130-1430: begin recollection in T30DSA5 and TDSA5 – partials.

1430-1530: Argo becomes stuck in frozen pond, personnel become wet freeing the vehicle – no pm Static or IVS.

1530-1630: disassemble towed array platform, re-pack trailer, take down RTK base station.

1630-1730: return to staging area, secure and charge equipment.

1800-1830: data editing.

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	11.15
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	11.15
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
EM61-MK2A BOTTOM COIL #1	GEONICS	em6100042	
EM61-MK2A BOTTOM COIL #2	GEONICS	em6100045	
EM61-MK2A BOTTOM COIL #3	GEONICS	em6100041	
EM61 COIL CABLE #1	GEONICS	em6100320	
EM61 COIL CABLE #2	GEONICS	em6100179	
EM61 COIL CABLE #3	GEONICS	em6100174	
EM61 ELECTRONICS #1	GEONICS	em6100011	
EM61 ELECTRONICS #2	GEONICS	em6100001	
EM61 ELECTRONICS #3	GEONICS	em6100092	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0055	
DATA 5700 RTK RECEIVER	TRIMBLE	gps0006	
NAV ZEPHYR GEODETIC	TRIMBLE	gps0050	
NAV 5700 RTK RECEIVER	TRIMBLE	gps0005	
GPS→TOUGHBOOK DATA CABLE	TRIMBLE	gps0249	
GPS→FMX DATA CABLE	TRIMBLE	gps0187	
GPS POWER CABLE	TRIMBLE	gps0111	

APPENDIX F - DAILY REPORTS

GPS POWER CABLE	TRIMBLE	gps0104	
GPS RADIO CABLE	TRIMBLE	gps0170	
GPS RADIO CABLE	TRIMBLE	gps0203	
FMX NAVIGATIONAL DISPLAY	TRIMBLE	gps0030	
TOUGHBOOK LAPTOP COMPUTER	PANASONIC	1lvipq1	
TOUGHPAD TABLET	PANASONIC	CHGEOTAB8	
BASE RADIO	TRIMBLE	gps0262	
BASE R7 RTK RECEIVER	TRIMBLE	gps0031	
BASE ZEPHYR GEODETIC	TRIMBLE	gps0017	
BASE GPS CABLE	TRIMBLE	gps0253	
BASE RADIO CABLE	TRIMBLE	gps0255	
BASE ANTENNA CABLE	TRIMBLE	gps0270	
TSCII CONTROLLER	TRIMBLE	gps0058	
COMMENTS (Issues, Action Items, Notifications ect.):			
<p>Recollection began in Area 5 which required an installation of a new IVS due to the cease-and-dissist order from the neighboring housing development. Collection time was shortened because a return to the base station point was requested to aid in the verification of the underwater operation's GPS equipment. Upon beginning collection, the Argo had a pin shear in the shifting knob, requiring immediate repairs in the field. GPS coverage was difficult to obtain in some areas due to tree cover at one end of the transects, and warmer temperatures caused the ice covering many of the transects to become unstable – causing the Argo to break through. The water was 3-4' deep in places, and caused a return to the vehicle after freeing the Argo due to the cold temperatures and field personnel becoming dangerously wet.</p>			

UACE Huntsville Wers Raritan Arsenal, NJ Project Daily Sheet**Job Number:** 50140027**Location:** 2890 Woodbridge Ave.**City / State:** Edison, NJ 08837**Date:** 24 February 2014**Day:** Monday**Time onboard:** 0700 Hours**Time of departure:** 1700 Hours**Vessel:** Weeks 61 Spud Barge and Weeks 47 Deck Barge**Tugboat:** Shelby**Crew Boat:** North Star II**Project Manager:** Don Benesch (Weeks Marine, Inc.)**CAT 5110 Excavator Operator:** Val Olesnovich (Weeks Marine, Inc.)

Start time: 0700 Hours

Finish time: 1700 Hours

On Scene Managers: Matthew D'Angelo and Patrick Downs (Weeks Marine, Inc.)

Start time: 0700 Hours

Finish time: 1700 Hours

Mandatory Daily Paperwork:

Safety Meeting (Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet. All members aboard Weeks 61 Spud Barge)

Safety Checklist for scrapers, motor graders and other mobile equipment (CAT 5110 Operator)

Weeks Marine Inc.-Vessel-Visitor Boarding Agreement (form filled out by anyone on board Weeks 61 Spud Barge, Weeks 47 Deck Barge and Tug Shelby that is not a Weeks Marine, Inc. Employee).

Summary and Notes of Daily Operation:

Preoperational safety meeting was held by Jonathan Waldron (Environmental Scientist) and George DeMetropolis, PhD (Western Region Munitions Response) from CH2MHILL at boat ramp on 10 River Road, Sayreville, NJ prior to boarding crew boat North Star II at 0700 hours on Monday 24 February 2014. An overview of job reviewed and what was expected with safety being primary focus of discussion. Major points brought up were the 50 foot buffer rule from Neptune Regional Transmission

System and all vessels to be a minimum of 450 feet when Cat 5110 involved with arsenal retrieval operations. The Neptune Regional Transmission System, is a 65-mile underwater and underground high voltage direct current transmission line that supplies power to Long Island.

At 0730 all parties boarded crew boat North Star II to deploy for Area 12 in Raritan Arsenal within Raritan River. North Star II arrived alongside the Weeks 61 spud barge at 0800 hours.

Approximately 0900 hours, subcontractor Thomas J. Frawley from LandMarker Geospatial, LLC assisted with setting buoys on anomaly clusters 1,2 and 5 in Area 12. Buoy markers were also set along Neptune Regional Transmission System.

Various anomaly clusters were reconfirmed in Area 13 due to questionable GPS coordinate inaccuracies in Area 12. LandMarker Geospatial, LLC found all coordinates produced were found to be true and accurate.

At 1000 hours Weeks 61 dropped port and starboard spuds to commence operations for Raritan Arsenal Project (job 50140027).

1250 hours Tug Shelby got out of push gear and moved a minimum of 450 feet from Weeks 61 and Weeks 47 until further notice. The Cat 5110 commenced operations at 1300 hours until 1330 hours. There were no targets found in Area 5 with magnet.

Weeks Marine crew changed out magnet for bucket in an attempt to sweep anomaly 5 for any live ammunition. At 1550 hours Cat 5110 began digging anomaly 5 and dumped remains on deck of Weeks 47. CH2MHILL contractors hosed down contents on Weeks 47 to investigate contents. No ammunition or metallic contents found.

At 1700 hours all operations secured and will resume on Tuesday 25 February 2014.

Best Regards,

Matthew D'Angelo

Weeks Marine, Inc.

Heavy Lift Division

Supervisor



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		69			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		2-25-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	32	MIN TEMP (F):	21

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL personnel conduct tailgate safety brief and fill out Pre Task Safety Plan. NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 2. Federal Business Center has filled over portions of Transects DSA-1-1, 2 and 3 and STC Marine has move into the area. Portions of transects 4 and 5 are within the Warehouse parking lot and could not be mapped due to tractor trailers parking in the area.

USA Environmental and Weeks Marine continued the underwater anomaly investigation of Area 13 at clusters 16, 17 and 18. There was no contact on Anomalies 16 and 17. These anomalies will be reinvestigated with the clamshell. A large 1 1/2 inch diameter braided steel cable was pulled to the surface on Anomaly 18 but could not be removed from the water because it was anchored to the bottom.

Spuds on barge not working properly. Barge will be taken back to Weeks Marine yard for repairs and expected to take 1 full day. GPS screen in excavator not functioning properly and will be down for repairs as well. Unit will be repaired prior to barge returning to site.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP. Daily inspections of equipment onsite.

TAILGATE TOPICS: Cold weather operations, water safety, PPE, pinch points, slips, trips and falls, 3 points of contact, housekeeping, Marine UXO-MEC Operations.

SAFE BEHAVIOR OBSERVATIONS: None for today

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 80px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	50
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	120
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	170
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	7692
			Total Work Hours From Start of Construction	7862

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10
David Neslon	Senior Technical Consultant	STC	10
George DeMetropolis	UXO Safety	UXOSO	10

SubContractors

Employee	Work Performed	Title/Trade	Hours
See Attached	Marine Investigation	Weeks Marine	30
See Attached	DGM	NAEVA	20

APPENDIX F - DAILY REPORTS

See Attached	UXO investigation	USA Environmental	20
See Attached	Crew Boat	NSM	30
See Attached	Power Cable	CME	10
See Attached	GPS	Land Marker	10
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
GPS Equipment	Trimble	Rental	CH2M HILL
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
ARGO UTV	ARGO	ARGO 1	CH2M HILL
INSPECTIONS AND TESTS PERFORMED			
Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
GPS Equipment	Daily/Serviceability	Function and accuracy	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
Performed Work / Test for Today: Daily Tailgate, PTSP, field and equipment inspections. DGM, Area 12 and Area 13 Marine Investigation			
Planned Work / Test for Tomorrow: DGM			
Planned Work / Test for Next Week: Marine Operations			
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): Switching from Magnet to Clamshell bucket on excavator takes 2-3 hours and is slowing down progress. CH2M HILL will revisit locations previously investigated with magnet and use clam shell to verify and collect physical sampling of subsurface. GPS screen in excavator not functioning and will need to be replaced. Unable to verify exact location over anomaly cluster using handheld GPS equipment on deck of barge. Spuds on Barge will not operate properly and unable to safely position barge. Barge is being taken back to Weeks Marine yard for repairs which will take 1 day. GPS screen will also be repaired during barge down time. No work for Marine portion expected on 2-26-14			
VISITORS AND DISCUSSIONS:			
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By: Chris Roase Signature of Inspector: Chris Rose			
Accumulation / Stockpile Area Inspected: NA			
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	1 (55 gal)

APPENDIX F - DAILY REPORTS

Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC

GENERAL COMMENTS

General Comments~ (rework, directives, etc.):

Weeks Marine and LandMarker equipment forced delays and down time.

ATTACHMENTS

List of Attachments: Daily QC Report, Daily PTSP, Subcontractor reports,

Jonathan Waldron

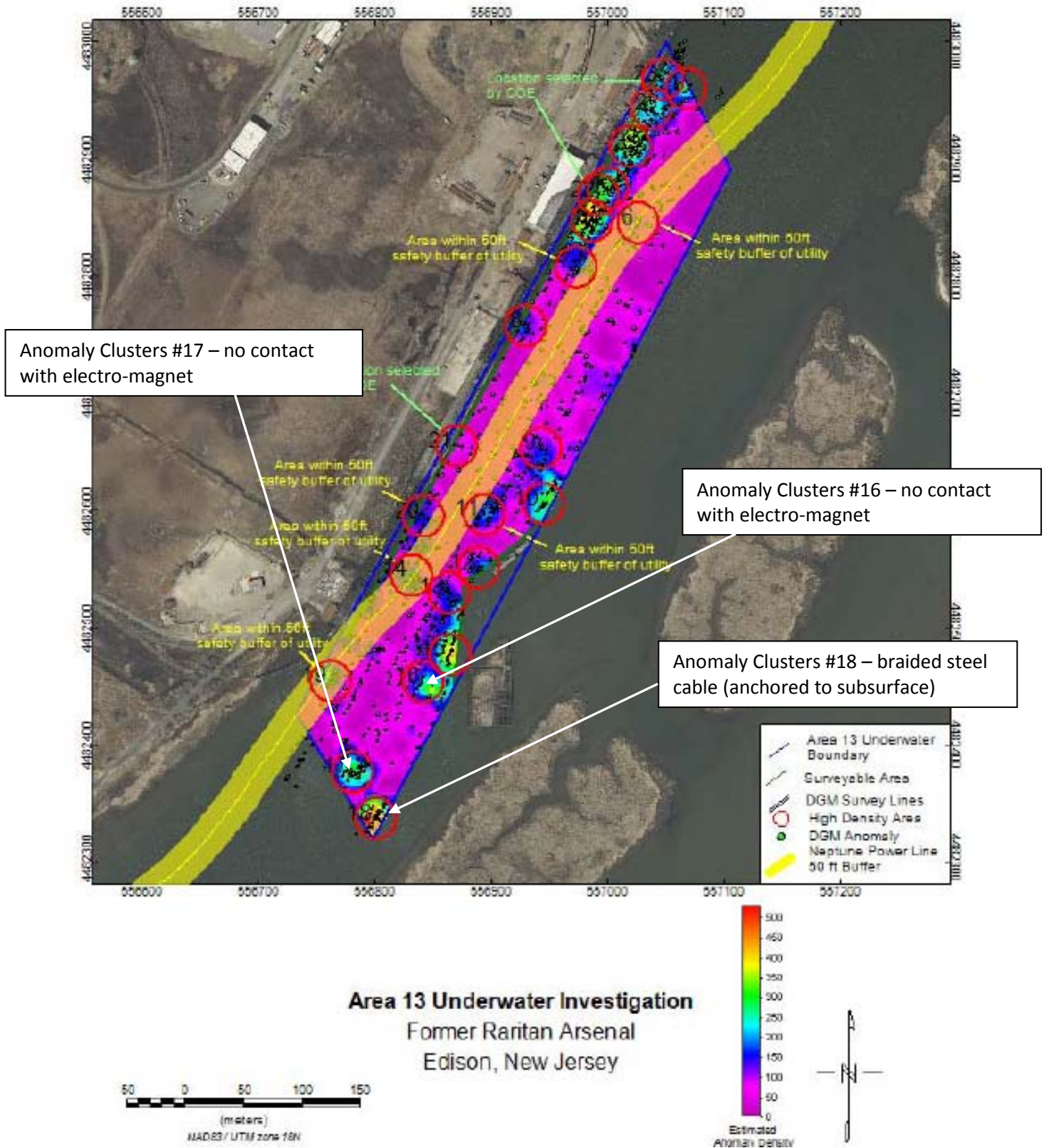
2/25/14

Chris Rose

PREPARER'S SIGNATURE

DATE

Area 13 Underwater Investigation Locations





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

1

Date:
02/25/14

Start of
investigation within
the Area 13



2

Date:
02/25/14

Tug Shelby used
to position the
barge for the
anomaly
investigation.





PHOTOGRAPHIC LOG

Client Name: US Army Engineering & Support Center Huntsville
Site Location: Former Raritan Arsenal, Edison, New Jersey

Contract Number:
W912DY-09-D-0060

3

Date:
02/25/14

Intrusive investigation using the clamshell.



4

Date:
02/25/14

Windy conditions on the water.



DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 02/25/2014LOCATION OF WORK: DSA 2, Area 12 (Water) Area 13 (Water)DESCRIPTION OF WORK: Terrestrial DGM Surveys

4

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (Rain) ☒ (WINDY)TEMPERATURE: MIN: 21 °F MAX: 32 °F.

1. Work completed today by subcontractor:

CH2M Hill's subcontractor NAVEA conducted Digital Geophysical Mapping (DGM) of DSA 2, Equipment was tested in the IVS pre and post operations. Data collection was hindered due to the melting of the ice causing some transects to be underwater. Federal Business Center has filled over portions of Transects DSA-1-1, 2 and 3 and STC Marine has move into the area. Portions of transects 4 and 5 are within the Warehouse parking lot and could not be mapped due to tractor trailers parking in the area.

CH2M Hill's subcontractor USA Environmental and Weeks Marine continued the underwater anomaly investigation of Area 13 and Area 12 OBOD. Barges were positioned near the anomalies and the magnet method was used to investigate point 16, 17 and 18. There was no contact on Anomalies 16 and 17. These anomalies will be reinvestigated with the clamshell. A large 1 ½ inch diameter braided steel cable was pulled to the surface on Anomaly 18 but could not be removed from the water because it was anchored to the bottom.

2. Work completed today by QC inspection staff :

Escorted NAVEA and monitored work practice and procedures of DGM crew.

3. All work performed in conformance with Work Plan requirements? Yes

If not, explain:

4. Non-conformances/deficiencies reported:

5. Comments:

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.



Project QC Specialist

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: Farmor Road in ArcadiaLocation: Edison, NJDate: 7/25/14Supervisor: George Demetrios / Chris Rose JobActivity: Marine MEC Investigation

Attendees:

Print Name

Sign Name

See Attached

List Tasks and verify that applicable AHAs have been reviewed:

Marine MEC Investigation

Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):

Barge, Excavator, Tugboat, Crew boat, Hand Power Tools
GPS Equipment, Motor, Campbell Buckle

Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):

<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input checked="" type="checkbox"/> Ergonomics
<input checked="" type="checkbox"/> Pressurized lines/equipment	<input checked="" type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input checked="" type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input checked="" type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input checked="" type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input checked="" type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input checked="" type="checkbox"/> Heat/cold stress
<input checked="" type="checkbox"/> Noise	<input checked="" type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input checked="" type="checkbox"/> Underground Utilities	<input checked="" type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications

Other Potential Hazards (Describe):

Marine MEC / UXO Potential Contact / operations

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input checked="" type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input checked="" type="checkbox"/> Flotation device <input checked="" type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Locate buried utilities <input checked="" type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input checked="" type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input checked="" type="checkbox"/> Panels covered <input checked="" type="checkbox"/> GFCI/extension cords <input checked="" type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input checked="" type="checkbox"/> Forklift/heavy equipment <input checked="" type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input checked="" type="checkbox"/> Proper rigging <input checked="" type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input type="checkbox"/> FA-CPR trained personnel <input type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input checked="" type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input checked="" type="checkbox"/> Cranes and rigging <input checked="" type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input checked="" type="checkbox"/> As-builts reviewed <input checked="" type="checkbox"/> Interview site staff <input checked="" type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <u>Water operations, ULS mec operations,</u>			

Name (Print):

Signature:

Date:

F-553

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>RI FS RARITAN</u>		Location: <u>OSA2</u>
Date: <u>29 FEB 14</u>		
Supervisor: <u>MIKE MAKHO</u>		Job
Activity: <u>DGM TRAVERSE</u>		
Attendees: Sign Name		
Print Name: <u>Jessie Powers</u>		<u>Jessie L Powers</u>
<u>Don Hanover</u>		<u>Don Hanover</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>DRIVING UTV OPERATION</u>		
<u>DATA COLLECTION LIFTING</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>EM 61 HAND TOOLS ANGO UTV</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input checked="" type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input type="checkbox"/> Water/drowning hazard
<input checked="" type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input checked="" type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>ICE SLICK SURFACE + HYPOTHERMIA</u>		
<u>DUE TO WATER EXPOSURE</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input checked="" type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input checked="" type="checkbox"/> Work/rest regime <input checked="" type="checkbox"/> Rest area <input checked="" type="checkbox"/> Liquids available <input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Training	Vehicle/Traffic <input type="checkbox"/> Traffic control <input type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input checked="" type="checkbox"/> Hazwaste (current) <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input checked="" type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input checked="" type="checkbox"/> Work stops until cleared by TM/CM <input checked="" type="checkbox"/> Immediate calls to TM/CM <input checked="" type="checkbox"/> Client notification <input checked="" type="checkbox"/> 24 hour notification setup <input checked="" type="checkbox"/> Clear communications	AHA' s <input checked="" type="checkbox"/> Reviewed and approved by HSM <input checked="" type="checkbox"/> On site and current <input checked="" type="checkbox"/> Applicable for this day's work <input checked="" type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): <hr/> <hr/> <hr/>			

Name (Print): MAMALUK
 Signature: [Signature]

Date: 25 FEB 14

UACE Huntsville Wers Raritan Arsenal, NJ Project Daily Sheet**Job Number:** 50140027**Location:** 2890 Woodbridge Ave.**City / State:** Edison, NJ 08837**Date:** 25 February 2014**Day:** Tuesday**Time onboard:** 0700 Hours**Time of departure:** 1700 Hours**Vessel:** Weeks 61 Spud Barge and Weeks 47 Deck Barge**Tugboat:** Shelby**Crew Boat:** North Star II**Project Manager:** Don Benesch (Weeks Marine, Inc.)**CAT 5110 Excavator Operator:** Val Olesnovich (Weeks Marine, Inc.)

Start time: 0700 Hours

Finish time: 1700 Hours

On Scene Managers: Matthew D'Angelo (Weeks Marine, Inc.)

Start time: 0700 Hours

Finish time: 1700 Hours

Mandatory Daily Paperwork:

Safety Meeting (Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet. All members aboard Weeks 61 Spud Barge)

Safety Checklist for scrapers, motor graders and other mobile equipment (CAT 5110 Operator)

Weeks Marine Inc.-Vessel-Visitor Boarding Agreement (form filled out by anyone on board Weeks 61 Spud Barge, Weeks 47 Deck Barge and Tug Shelby that is not a Weeks Marine, Inc. Employee).

Summary and Notes of Daily Operation:

Preoperational safety meeting was held by Jonathan Waldron (Environmental Scientist) from CH2MHILL at boat ramp on 10 River Road, Sayreville, NJ prior to boarding crew boat North Star II at 0700 hours on Tuesday 24 February 2014. At 0730 all parties boarded crew boat North Star II to deploy for Weeks 61 which was spudded down .25 nautical miles north of Raritan Arsenal on Raritan River. North Star II arrived alongside the Weeks 61 spud barge at 0730 hours.

Approximately 0745 hours, subcontractor Thomas J. Frawley from LandMarker Geospatial, LLC and Jonathan Waldron (CH2MHILL) departed on North Star II for Area 13. They set buoys on anomaly clusters 18, 17, 16, 15 and 1 in Area 13.

While buoys were being set, Weeks Marine, Inc. derigged bucket from Cat 5110 and rigged magnet for daily operations.

At 1100 hours port and starboard spuds were pulled on Weeks 61 and Tug Shelby departed with Weeks 61 and Weeks 47 for anomaly cluster 18 in area 13. 1120 hours in position and dropped port / starboard spuds on Weeks 61. Tug Shelby and North Star II departed work area as per rules a minimum of 450 feet until sweep with magnet completed. The Cat 5110 commenced lowering magnet at 1125 hours until 1150 hours. A piece of cable was found on magnet when rising to surface, but unable to retrieve on deck.

At 1200 hours it was found that GPS was not working on magnet of CAT 5110. Unable to rectify GPS coordinate system on CAT 5110 and would continue working without for remainder of day.

1215 port and starboard spuds pulled up. Tug Shelby assisted with positioning Weeks 61 in anomaly cluster 17 area 13. At 1300 hours port and starboard spuds dropped. Tug Shelby and North Star II again departed work area until further notice. From 1320 to 1345 CAT 5110 swept anomaly cluster 17 and detected no targets. At 1350 pulled up spuds and repositioned Weeks 61 to attempt a second sweep over anomaly cluster 17. Attempted a second sweep with magnet from 1410 to 1430 hours and again found no targets. Due to no operational GPS on actual magnet it was very difficult to know if the magnet was sweeping over actual coordinated position. By attempting to go off buoys being set by CH2MHILL prior to sweeping with magnet, was not a very true and exact positioning reference. Tide and current was setting buoys away from position and this was the reason barge had to be repositioned two separate times for anomaly cluster 17 in area 13.

At 1445 hours port and starboard spuds were pulled and Weeks 61 / Weeks 47 shifted to anomaly cluster 16 in area 13. 1500 hours port and starboard spuds dropped on Weeks 61. All boats cleared of work area and sweep with magnet using CAT 5110 from 1520 – 1545 hours. No targets found in anomaly cluster 16 at area 13. All operations secured for day.

At 1630 hours Weeks 61 and Weeks 47 were shifted to .25 nautical miles north of Raritan Arsenal to spud down. Unable to drop port spud on Weeks 61 and mechanical error not known. It was decided that the Weeks 61 would have to be brought back to Greenville Yard, Jersey City, NJ in order to rectify problem with port spud. Port/ Starboard spuds were pinned and Tug Shelby was set to sail with Weeks 61 at 1900 hours on Tuesday 25 February 2014 from Raritan Arsenal to Greenville Yard. Due to restrictions with bridges in Raritan River vicinities, traffic only allowed to enter/depart work area at certain hours. The Weeks 47 deck barge was tied off and secured in Raritan River at Raritan Arsenal.

At 1700 hours all operations secured and will resume on Thursday 27 February 2014.

Best Regards,

Matthew D'Angelo

Weeks Marine, Inc.

Heavy Lift Division

Supervisor



SUB CONTRACTOR DAILY REPORT

NAEVA Geophysical Surveying

CONTRACT NAME:		REPORT NO:	20
CONTRACT NUMBER:	W912DY-09-D-0060	REPORT DATE:	25 FEBRUARY 2013
TASK ORDER NUMBER:	003	PROJECT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLEY	FIELD TEAM LEADER	DANIEL HENNESSY

SUMMARY OF WORK PERFORMED TODAY

0645-0730: am safety brief, hook up trailer at staging area, mob to DSA2.
0730-0830: unpack and assemble towed array platform, RTK base station set-up, perform GPS QC.
0830-0900: perform am Static QC and IVS with three coil towed array system.
0900-1030: begin recollection in DSA2 – Argo becomes stuck in ice and requires assistance.
1030-1200: return to office and trailer secondary Argo back to DSA2, tow Argo and platform out of the ice.
1200-1230: perform midday QC and IVS, lunch
1230-1400: resume recollection in DSA2.
1400-1530: mob to Area 12 and collect remaining data gaps - complete.
1530-1600: perform pm Static QC and IVS with three coil towed array system.
1600-1700: disassemble towed array platform, re-pack trailer, take down RTK base station.
1700-1745: return to staging area, secure and charge equipment.
1830-1700: data editing.

WORK FORCE – SUBCONTRACTOR- NAEVA

Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	11.50
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	11.50
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
EM61-MK2A BOTTOM COIL #1	GEONICS	em6100042	
EM61-MK2A BOTTOM COIL #2	GEONICS	em6100045	
EM61-MK2A BOTTOM COIL #3	GEONICS	em6100041	
EM61 COIL CABLE #1	GEONICS	em6100320	
EM61 COIL CABLE #2	GEONICS	em6100179	
EM61 COIL CABLE #3	GEONICS	em6100174	
EM61 ELECTRONICS #1	GEONICS	em6100011	
EM61 ELECTRONICS #2	GEONICS	em6100001	
EM61 ELECTRONICS #3	GEONICS	em6100092	
DATA ZEPHYR GEODETIC	TRIMBLE	gps0055	
DATA 5700 RTK RECEIVER	TRIMBLE	gps0006	
NAV ZEPHYR GEODETIC	TRIMBLE	gps0050	
NAV 5700 RTK RECEIVER	TRIMBLE	gps0005	
GPS→TOUGHBOOK DATA CABLE	TRIMBLE	gps0249	

APPENDIX F - DAILY REPORTS

GPS→FMX DATA CABLE	TRIMBLE	gps0187	
GPS POWER CABLE	TRIMBLE	gps0111	
GPS POWER CABLE	TRIMBLE	gps0104	
GPS RADIO CABLE	TRIMBLE	gps0170	
GPS RADIO CABLE	TRIMBLE	gps0203	
FMX NAVIGATIONAL DISPLAY	TRIMBLE	gps0030	
TOUGHBOOK LAPTOP COMPUTER	PANASONIC	1lvipq1	
TOUGHPAD TABLET	PANASONIC	CHGEOTAB8	
BASE RADIO	TRIMBLE	gps0262	
BASE R7 RTK RECEIVER	TRIMBLE	gps0031	
BASE ZEPHYR GEODETIC	TRIMBLE	gps0017	
BASE GPS CABLE	TRIMBLE	gps0253	
BASE RADIO CABLE	TRIMBLE	gps0255	
BASE ANTENNA CABLE	TRIMBLE	gps0270	
TSCII CONTROLLER	TRIMBLE	gps0058	
COMMENTS (Issues, Action Items, Notifications ect.):			
Recollection in DSA2 showcased the fact that the majority of the transects sit under 1-2" of ice, and some sections in up to 3' of water. This has proven to be very difficult for DGM, as the weight of the Argo and platform can break through the ice at any minute, causing the system to become stuck in the ice and water. This was the situation today, and it required trailering the secondary Argo over to tow out the system. The weather can possibly influence this situation by either thickening the ice with colder daily temperatures.			



CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NAME:		Former Raritan Arsenal		REPORT NO:		89			
CONTRACT NUMBER:		W912DY-09-D-0060		REPORT DATE:		5-22-14			
REVISION NUMBER:		1		REVISION DATE:		1-28-14			
TASK ORDER NUMBER:		003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUMBER:		427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER:		Mark Callaghan		UXO QUALITY MANAGER:		Ray Fillion			
Senior UXO Supervisor:		Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, light rain		PM WEATHER:	Overcast, light rain		MAX TEMP (F):	66	MIN TEMP (F):	57

SUMMARY OF WORK PERFORMED TODAY

CH2M HILL and USA Environmental personnel conduct tailgate safety brief and fill out PTSP. Review AHA's and HASP, ensure certifications are current and onsite. Chris Rose met with Sandra Pietto (USACE rep) to review site maps and operations ongoing around Raritan field site. Set up RTK GPS in Area 16. Road to existing base station has been disturbed by Ferreira Construction Company and unable to be used. USA Environmental had/has ongoing issues with RTK GPS receiver maintaining connection due to poorly functioning equipment. Set up on DSA#1 and complete intrusive investigation. 2 QC seeds recovered from transects. Begin intrusive in DSA#2 and recover 1 inert MK2 hand grenade. Remaining areas of DSA#2 will need to be done when area is blocked off over weekend.

HEALTH AND SAFETY REPORT

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted:

Conduct safety tailgate and fill out PTSP. Daily inspections of equipment onsite.

Self Assessment Checklist for Earth Moving Equipment, Hand and Power Tools and PPE

TAILGATE TOPICS: PPE, pinch points, slips, trips and falls, Fire safety and evacuation plans.

SAFE BEHAVIOR OBSERVATIONS: None for today

<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center; width: 60px; margin: 0 auto;"> JOB SAFETY </div>	Was A Job Safety Meeting Held This Date?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CH2M HILL On-Site Hours	40
	Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Subcontractor On-Site Hours	70
	Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total On-Site Hours This Date	110
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Cumulative Total of Work Hours From Previous Report</i>	9459
			Total Work Hours From Start of Construction	9504

OPERATIONS / PRODUCTION REPORT

CH2M HILL

Employee	Work Performed	Title/Trade	Hours
Ray Fillion	QC/ Subcontractor Oversight	UXOQCS	10
Jonathan Waldron	SSHO	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10
Jake Crostic	MRSIMS	MRSIMS	10

SubContractors

Employee	Work Performed	Title/Trade	Hours
See Attached	Mob, equipment prep, intrusive	USA Env.	70

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rental)	ModSpace 10'x44'	291159	CH2M HILL

APPENDIX F - DAILY REPORTS

Generator (Sunbelt Rental)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)	Motorola PR 400	NA	CH2M HILL
Metal detector	Schonsted	NA	CH2M HILL
Rental vehicles (4)	Enterprise Vehicle Rentals	Enterprise Rental	CH2M HILL
INSPECTIONS AND TESTS PERFORMED			
Task/Activity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	Daily/Serviceability	QC Check	Pass
Generator	Daily/ Serviceability	NA	Pass
Fire Extinguishers	Monthly	NA	Pass
First Aid Kit	Monthly	NA	Pass
Field Vehicles	Daily/Weekly	NA	Pass
Site Communication / 2 Way Radios	Daily	Radio Check	Pass
COMMENTS (acceptance status, inspection findings, etc.): None			
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS			
<p>Performed Work / Test for Today:</p> <p>Tailgate safety brief, Review AHA's and HASP, ensure certifications are current and onsite.</p> <p>Chris Rose met with Sandra Piettro (USACE rep) to review site maps and operations ongoing around Raritan field site.</p> <p>Set up RTK GPS in Area 16. Road to existing base station has been disturbed by Ferreira Construction Company and unable to be used.</p> <p>USA Environmental had/has ongoing issues with RTK GPS receiver maintaining connection due to poorly functioning equipment.</p> <p>Set up on DSA#1 and complete intrusive investigation. 2 QC seeds recovered from transects.</p> <p>Begin intrusive in DSA#2 and recover 1 inert MK2 hand grenade. Remaining areas of DSA#2 will need to be done when area is blocked off over weekend.</p>			
<p>Planned Work / Test for Tomorrow: Continue with Anomaly Reacquisition and Intrusive Investigation in DSA's. Schedule to be determined as necessary.</p>			
<p>Planned Work / Test for Next Week: Anomaly Reacquisition and Intrusive Investigation.</p>			
<p>CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the project [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): USA Environmental having issues with RTK GPS maintaining communication with base. Poor connection causing delays in anomaly reacquisition.</p>			
<p>VISITORS AND DISCUSSIONS: Sandra Piettro (USACE)</p>			
MDAS ACCUMULATION/STOCKPILE AREA INSPECTION			
Inspection Performed By:	Chris Rose	Signature of Inspector:	Chris Rose
Accumulation / Stockpile Area Inspected:	NA		
No of Containers:	NA	No of Tanks	NA
		No of Roll-Off Boxes:	NA
		No. of Drums	1 (55 gal)
<p>Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documented and certified as MDAS by SUXOS and UXOQC</p>			
GENERAL COMMENTS			
<p>General Comments~ (rework, directives, etc.):</p>			
ATTACHMENTS			
<p>List of Attachments: Daily QC Report, Daily PTSP, Self-Assessment Checklists, Subcontractor report</p>			
<p align="center">Chris Rose Jonathan Waldron</p>			<p align="center">5/22/14</p>
PREPARER'S SIGNATURE			DATE

DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 22 May 2014

LOCATION OF WORK: DSA

DESCRIPTION OF WORK: Anomaly reaqure and investigation

WEATHER: ☐ (CLEAR) ☐ (FOG) ☒ (P.CLOUDY) ☐ (RAIN) ☐ (WINDY)

TEMPERATURE: MIN: 52°F MAX: 65°F.

1. Work completed today by subcontractor: The following anomalies were located and removed

DSA 1 T DSA 1R-02-00001 QC Seed
DSA 1 T DSA 1R-05-00020 QC Seed

This work completes DSA 1

DSA 2 T DSA 2R-3-00024 MDAS

2. Work completed today by QC inspection staff:

Performed Vehicle inspections to include fire extinguishers, First Aid Kits and map routes to hospital. With help from the site safety officer completed self assessments on Tools and equipment to include PPE.

3. All work performed in conformance with Work Plan requirements? Yes

4. Non-conformances/deficiencies reported: None

5. Comments: None

CERTIFICATION: I certify that the above report is complete and correct and that I, or my representative, have inspected all work identified on this report and have determined to the best of my knowledge and belief that noted work activities are in compliance with work plans and specifications, except as may be noted above.

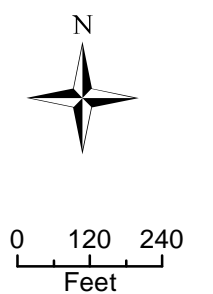


Project QC Specialist



LEGEND

- DSA1 Anomalies to be Investigated
- DSA1 Transects Paths
- Local Road
- +— Railroads
- +— Historical Railroads
- Dredge Spoils Area
- Location of MEC Operations
- Pits Identified on 1963 Aerial Photograph
- Former Raritan Arsenal Boundary



DSA 1
 DSA DGM Transects
 RI/FS Work Plan
 Former Raritan Arsenal, Edison, NJ



LEGEND

- DSA2 Anomalies to be Investigated
- DSA2 Transect Paths
- Local Road
- +— Railroads
- Dredge Spoils Area
- Location of MEC Operations
- Former Raritan Arsenal Boundary



0 300 600
Feet



DSA 2
Anomalies for Investigation
RI/FS Work Plan
Former Raritan Arsenal, Edison, NJ

CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet

Project: <u>Racine Arsenal</u>		Location: <u>Racine</u>
Date: <u>5/22/14</u>		
Supervisor: <u>Chris Rose</u>		Job
Activity: <u>Armedly Reorganization</u>		
Attendees:	Print Name	Sign Name
	<u>J. Waldron</u>	<u>[Signature]</u>
	<u>J. Crostic</u>	<u>[Signature]</u>
	<u>P. Fillin</u>	<u>[Signature]</u>
	<u>E. Hopkins USACE</u>	<u>[Signature]</u>
	<u>Andy Litjck</u>	<u>[Signature]</u>
	<u>Scott Davis</u>	<u>[Signature]</u>
	<u>Drew Clark</u>	<u>[Signature]</u>
	<u>Joseph Swindert</u>	<u>[Signature]</u>
List Tasks and verify that applicable AHAs have been reviewed:		
<u>Remobilization to Site, Site Prep, Armedly Reorg</u>		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools):		
<u>hand tools, RTK GPS, PPE</u>		
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		
<input type="checkbox"/> Chemical burns/contact	<input type="checkbox"/> Trench, excavations, cave-ins	<input type="checkbox"/> Ergonomics
<input type="checkbox"/> Pressurized lines/equipment	<input type="checkbox"/> Overexertion	<input type="checkbox"/> Chemical splash
<input type="checkbox"/> Thermal burns	<input checked="" type="checkbox"/> Pinch points	<input type="checkbox"/> Poisonous plants/insects
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Cuts/abrasions	<input type="checkbox"/> Eye hazards/flying projectile
<input checked="" type="checkbox"/> Weather conditions	<input type="checkbox"/> Spills	<input type="checkbox"/> Inhalation hazard
<input type="checkbox"/> Heights/fall > 6 feet	<input type="checkbox"/> Overhead Electrical hazards	<input type="checkbox"/> Heat/cold stress
<input type="checkbox"/> Noise	<input type="checkbox"/> Elevated loads	<input checked="" type="checkbox"/> Water/drowning hazard
<input type="checkbox"/> Explosion/fire	<input checked="" type="checkbox"/> Slips, trip and falls	<input checked="" type="checkbox"/> Heavy equipment
<input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Manual lifting	<input type="checkbox"/> Aerial lifts/platforms
<input type="checkbox"/> Confined space entry	<input type="checkbox"/> Welding/cutting	<input type="checkbox"/> Demolition
<input type="checkbox"/> Underground Utilities	<input type="checkbox"/> Security	<input type="checkbox"/> Poor communications
Other Potential Hazards (Describe):		
<u>Potential UXO MEC</u>		
<u>Phil Matter</u>		
<u>Chris Rose</u>		
<u>Roxanne R. [Signature]</u>		

APPENDIX F - DAILY REPORTS

Hazard Control Measures (Check All That Apply):			
PPE <input type="checkbox"/> Thermal/lined <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Dermal/hand <input type="checkbox"/> Hearing <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> Reflective vests <input type="checkbox"/> Flotation device <input type="checkbox"/> Hard Hat	Protective Systems <input type="checkbox"/> Sloping <input type="checkbox"/> Shoring <input type="checkbox"/> Trench box <input type="checkbox"/> Barricades <input type="checkbox"/> Competent person <input type="checkbox"/> Locate buried utilities <input type="checkbox"/> Daily inspections <input type="checkbox"/> Entry Permits/notification	Fire Protection <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Fire watch <input type="checkbox"/> Non-spark tools <input type="checkbox"/> Grounding/bonding <input type="checkbox"/> Intrinsically safe equipment	Electrical <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Grounded <input type="checkbox"/> Panels covered <input type="checkbox"/> GFCI/extension cords <input type="checkbox"/> Power tools/cord inspected <input type="checkbox"/> Overhead line clearance <input type="checkbox"/> Underground utils ID'd
Fall Protection <input type="checkbox"/> Harness/lanyards <input type="checkbox"/> Adequate anchorage <input type="checkbox"/> Guardrail system <input type="checkbox"/> Covered opening <input type="checkbox"/> Fixed barricades <input type="checkbox"/> Warning system	Air Monitoring <input type="checkbox"/> PID/FID <input type="checkbox"/> Detector tubes <input type="checkbox"/> Radiation <input type="checkbox"/> Personnel sampling <input type="checkbox"/> LEL/O2 <input type="checkbox"/> No visible dust <input type="checkbox"/> Other	Proper Equipment <input type="checkbox"/> Aerial lift/ladders/scaffolds <input type="checkbox"/> Forklift/heavy equipment <input type="checkbox"/> Backup alarms <input checked="" type="checkbox"/> Hand/power tools <input type="checkbox"/> Crane with current inspection <input type="checkbox"/> Proper rigging <input type="checkbox"/> Operator qualified	Welding & Cutting <input type="checkbox"/> Cylinders secured/capped <input type="checkbox"/> Cylinders separated/upright <input type="checkbox"/> Flash-back arrestors <input type="checkbox"/> No cylinders in CSE <input type="checkbox"/> Flame retardant clothing <input type="checkbox"/> Appropriate goggles
Confined Space Entry <input type="checkbox"/> Isolation <input type="checkbox"/> Air monitoring <input type="checkbox"/> Trained personnel <input type="checkbox"/> Permit completed <input type="checkbox"/> Rescue	Medical/ER <input checked="" type="checkbox"/> First-aid kit <input checked="" type="checkbox"/> Eye wash <input checked="" type="checkbox"/> FA-CPR trained personnel <input checked="" type="checkbox"/> Route to hospital	Heat/Cold Stress <input type="checkbox"/> Work/rest regime <input type="checkbox"/> Rest area <input type="checkbox"/> Liquids available <input type="checkbox"/> Monitoring <input type="checkbox"/> Training	Vehicle/Traffic <input checked="" type="checkbox"/> Traffic control <input checked="" type="checkbox"/> Barricades <input type="checkbox"/> Flags <input type="checkbox"/> Signs
Permits <input type="checkbox"/> Hot work <input type="checkbox"/> Confined space <input type="checkbox"/> Lockout/tagout <input type="checkbox"/> Excavation <input type="checkbox"/> Demolition <input type="checkbox"/> Energized work	Demolition <input type="checkbox"/> Pre-demolition survey <input type="checkbox"/> Structure condition <input type="checkbox"/> Isolate area/utilities <input type="checkbox"/> Competent person <input type="checkbox"/> Hazmat present	Inspections: <input type="checkbox"/> Ladders/aerial lifts <input type="checkbox"/> Lanyards/harness <input type="checkbox"/> Scaffolds <input checked="" type="checkbox"/> Heavy equipment <input type="checkbox"/> Drill rigs/geoprobe rigs <input type="checkbox"/> Cranes and rigging <input type="checkbox"/> Utilities marked	Training: <input type="checkbox"/> Hazwaste (current) <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Competent person <input checked="" type="checkbox"/> Task-specific <input checked="" type="checkbox"/> FA/CPR <input type="checkbox"/> Confined Space <input type="checkbox"/> Hazcom
Underground Utilities <input type="checkbox"/> Dig alert called <input type="checkbox"/> 3 rd Party locator <input type="checkbox"/> As-builts reviewed <input type="checkbox"/> Interview site staff <input type="checkbox"/> Client review <input type="checkbox"/> soft locate necessary?	Incident Communications <input type="checkbox"/> Work stops until cleared by TM/CM <input type="checkbox"/> Immediate calls to TM/CM <input type="checkbox"/> Client notification <input type="checkbox"/> 24 hour notification setup <input type="checkbox"/> Clear communications	AHA's <input checked="" type="checkbox"/> reviewed and approved by HSM <input checked="" type="checkbox"/> on site and current <input type="checkbox"/> applicable for this day's work <input type="checkbox"/> Communication and incident processes included?	
Field Notes (including observations from prior day, etc.): 			

Name (Print):

Signature:

Date:



HS&E Self-Assessment Checklist - EARTHMOVING EQUIPMENT

Page 1 of 2

This checklist shall be used by CH2M HILL personnel **only** and shall be completed at the frequency specified in the project's HSP/FSI.

This checklist is to be used at locations where: 1) CH2M HILL employees are potentially exposed to the hazards of earthmoving equipment operations, 2) CH2M HILL employees are operating earthmoving equipment, and/or 3) CH2M HILL provides oversight of a subcontractor operating earthmoving equipment.

The CH2M HILL Safety Coordinator may consult with subcontractors operating earthmoving equipment when completing this checklist, but shall not direct the means and methods of equipment operations nor direct the details of corrective actions. Earthmoving equipment subcontractors shall determine how to correct deficiencies and we must carefully rely on their expertise. Items considered to be imminently dangerous (possibility of serious injury or death) shall be corrected immediately or all exposed personnel shall be removed from the hazard until corrected.

Project Name: Former Raritan Arsenal		Project No.: 427946
Location: Raritan, NJ		PM: Mark Callaghan
Auditor: Jonathan Waldron	Title: Health and Safety	Date: 5/22/14

This specific checklist has been completed to:

- ☒ Evaluate CH2M HILL employee exposures to earthmoving equipment hazards (complete Section 1).
- ☐ Evaluate CH2M HILL employees operating earthmoving equipment (complete entire checklist).
- ☒ Evaluate CH2M HILL subcontractor's compliance with earthmoving equipment safety requirements (complete entire checklist). Subcontractors Name: USA Environmental

- Check "Yes" if an assessment item is complete/correct.
 - Check "No" if an item is incomplete/deficient. Deficiencies shall be brought to the immediate attention of the earthmoving equipment subcontractor. Section 3 must be completed for all items checked "No."
 - Check "N/A" if an item is not applicable.
 - Check "N/O" if an item is applicable but was not observed during the assessment.
- Numbers in parentheses indicate where a description of this assessment item can be found in Standard of Practice HSE-306.

SAFE WORK PRACTICES (5.1)		SECTION 1				Yes	No	N/A	N/O
1.	Personnel maintaining safe distance from operating equipment					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Positioning personnel in close proximity to operating equipment is avoided					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Personnel wearing high-visibility and/or reflective vests when close to operating equipment					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Personnel approach operating equipment safely					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Personnel riding only in seats of equipment cab and using seat belts					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Personnel not positioned under elevated portions of equipment					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Personnel not positioned under hoisted loads					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Personnel not hoisted by equipment					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Personnel do not to approach equipment that has become electrically energized					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Personnel wearing appropriate PPE, per HSP/FSI					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CH2MHILL**HS&E Self-Assessment Checklist - EARTHMOVING EQUIPMENT**

Page 2 of 2

EQUIPMENT SAFETY REQUIREMENTS PRIOR TO OPERATING EQUIPMENT (5.2.1)	SECTION 2	Yes	No	N/A	N/O
11. Only qualified and authorized personnel operating equipment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Daily safety briefing/meeting conducted with equipment operators		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Daily inspection of equipment conducted and documented		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Modifications and attachments used approved by equipment manufacturer		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Backup alarm or spotter used when backing equipment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Operational horn provided on bi-directional equipment		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Seat belts are provided and used		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Rollover protective structures (ROPS) provided		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Braking system capable of stopping full payload		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Headlights and taillights operable when additional light required		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Brake lights in operable condition		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Cab glass provides no visible distortion to the operator		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23. All machine guards are in place		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Hauling equipment (dump trucks) provided with cab shield or canopy		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25. Dump truck beds provided with positive means of support during maintenance or inspection		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
26. Dump truck operating levers provided with latch to prevent accidental dumping		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27. Air monitoring conducted per HSP/FSI for hazardous atmospheres		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT PLACEMENT (5.2.2)					
28. Equipment position on firm/level surface, outriggers used		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Location of underground utilities identified		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Safe clearance distance maintained while working under overhead power lines		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Safe distance is maintained while traveling under power lines		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Warning system used to remind operator of excavation edge		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33. Unattended equipment visibly marked at night		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
34. Tools lowered/parking brake set when not in use, wheels chocked when parked on incline		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT OPERATION (5.2.3)					
35. Equipment operated on safe roadways and grades		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. Equipment operated at safe speed		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. Operators maintain unobstructed view of travel path		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38. Equipment not operated during inclement weather, lightning storms		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
39. Equipment started and moved safely		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. Operators keep body parts inside cab during operation		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. Vehicle occupants in safe position while loading/unloading		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42. Signal person visible to operator when required		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43. Equipment used for hoisting done according to equipment manufacturer specifications		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
44. Lifting and hauling capacities are not exceeded		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT MAINTENANCE (5.2.4)					
45. Defective components repaired immediately		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46. Suspended equipment or attachments supported prior to work under or between		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47. Lockout/tagout procedures used prior to maintenance		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
48. Tires on split rims removed using safety tire rack or cage		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
49. Good housekeeping maintained on and around equipment		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CH2MHILL**HSE Self-Assessment Checklist—HAND AND POWER TOOLS**

This checklist shall be used by CH2M HILL personnel **only** and shall be completed at the frequency specified in the project's HSP/FSI.

This checklist is to be used at locations where: (1) CH2M HILL employees are exposed to hand and power tool hazards and/or (2) CH2M HILL provides oversight of subcontractor personnel who are exposed to hand and power tool hazards.

SC may consult with subcontractors when completing this checklist, but shall not direct the means and methods of hand and power tool use nor direct the details of corrective actions. Subcontractors shall determine how to correct deficiencies and we must carefully rely on their expertise. Items considered to be imminently dangerous (possibility of serious injury or death) shall be corrected immediately or all exposed personnel shall be removed from the hazard until corrected.

Project Name: Former Raritan Arsenal

Project No.: 427946

Location: Raritan, NJ

PM: Mark Callaghan

Auditor: Jonathan Waldron

Title: Health and Safety

Date: 5/22/14

This specific checklist has been completed to:

- ☐ Evaluate CH2M HILL employee exposure to hand and power tool hazards.
☒ Evaluate a CH2M HILL subcontractor's compliance with hand and power tool requirements.
 Subcontractors Name: USA Environmental

- Check "Yes" if an assessment item is complete/correct.
- Check "No" if an item is incomplete/deficient. Deficiencies shall be brought to the immediate attention of the subcontractor. Section 3 must be completed for all items checked "No."
- Check "N/A" if an item is not applicable.
- Check "N/O" if an item is applicable but was not observed during the assessment.

Numbers in parentheses indicate where a description of this assessment item can be found in Standard of Practice HSE-210.

SECTION 1

Yes No N/A N/O

SAFE WORK PRACTICES (5.1)

1. All tools operated according to manufacturer's instructions and design limitations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. All hand and power tools maintained in a safe condition and inspected and tested before use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Defective tools are tagged and removed from service until repaired.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. PPE is selected and used according to tool-specific hazards anticipated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Power tools are not carried or lowered by their cord or hose.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Tools are disconnected from energy sources when not in use, servicing, cleaning, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Safety guards remain installed or are promptly replaced after repair.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Tools are stored properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Cordless tools and recharging units both conform to electrical standards and specifications.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Tools used in explosive environments are rated for such use.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Knife or blade hand tools are used with the proper precautions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Consider controls to avoid muscular skeletal, repetitive motion, and cumulative trauma stressors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

HSE Self-Assessment Checklist—HAND AND POWER TOOLS

SECTION 2

Yes No N/A N/O

GENERAL (5.2.2)

13. PPE is selected and used according to tool-specific hazards anticipated.
14. Tools are tested daily to assure safety devices are operating properly.
15. Damaged tools are removed from service until repaired.
16. Power operated tools designed to accommodate guards have guards installed.
17. Rotating or moving parts on tools are properly guarded.
18. Machines designed for fixed locations are secured or anchored.
19. Floor and bench-mounted grinders are provided with properly positioned work rests.
20. Guards are provided at point of operation, nip points, rotating parts, etc.
21. Fluid used in hydraulic-powered tools is approved fire-resistant fluid.

ELECTRIC-POWERED TOOLS (5.2.3)

22. Electric tools are approved double insulated or grounded and used according to SOP HSE-206.
23. Electric cords are not used for hoisting or lowering tools.
24. Electric tools are used in damp/ wet locations are approved for such locations or GFCI installed.
25. Hand-held tools are equipped with appropriate on/off controls appropriate for the tool.
26. Portable, power-driven circular saws are equipped with proper guards.

ABRASIVE WHEEL TOOLS (5.2.4)

27. All employees using abrasive wheel tools are wearing eye protection.
28. All grinding machines are supplied with sufficient power to maintain spindle speed.
29. Abrasive wheels are closely inspected and ring-tested before use.
30. Grinding wheels are properly installed.
31. Cup-type wheels for external grinding are protected by the proper guard or flanges.
32. Portable abrasive wheels used for internal grinding are protected by safety flanges.
33. Safety flanges are used only with wheels designed to fit the flanges.
34. Safety guards on abrasive wheel tools are mounted properly and of sufficient strength.

PNEUMATIC-POWERED TOOLS (5.2.5)

35. Tools are secured to hoses or whip by positive means to prevent disconnection.
36. Safety clips or retainers are installed to prevent attachments being expelled.
37. Safety devices are installed on automatic fastener feed tools as required.
38. Compressed air is not used for cleaning unless reduced to < 30 psi, with PPE, and guarded.
39. Manufacturer's safe operating pressure for hoses, pipes, valves, etc. are not exceeded.
40. Hoses are not used for hoisting or lowering tools.
41. All hoses $> 1/2$ -inch diameter have safety device at source to reduce pressure upon hose failure.
42. Airless spray guns have required safety devices installed.
43. Blast cleaning nozzles are equipped with operating valves, which are held open manually.
44. Supports are provided for mounting nozzles when not in use.
45. Air receiver drains, handholes, and manholes are easily accessible.
46. Air receivers are equipped with drainpipes and valves for removal of accumulated oil and water.
47. Air receivers are completely drained at required intervals.
48. Air receivers are equipped with indicating pressure gauges.
49. Safety, indicating, and controlling devices are installed as required.
50. Safety valves are tested frequently and at regular intervals to assure good operating condition.

SECTION 2 (continued)**Yes No N/A N/O****LIQUID FUEL-POWERED TOOLS (5.2.6)**

51. Liquid fuel-powered tools are stopped when refueling, servicing, or maintaining. ☐ ☐ ☒ ☐
52. Liquid fuels are stored, handled, and transported in accordance with SOP HSE-403 ☐ ☐ ☒ ☐
53. Liquid fuel-powered tools are used in confined spaces in accordance with SOP HSE-203. ☐ ☐ ☒ ☐
54. Safe operating pressures of hoses, valves, pipes, filters, and other fittings are not exceeded. ☐ ☐ ☒ ☐

POWDER-ACTUATED TOOLS (5.2.7)

55. Only trained employee operates powder-actuated tools. ☐ ☐ ☒ ☐
56. Powder-actuated tools are not loaded until just prior to intended firing time. ☐ ☐ ☒ ☐
57. Tools are not pointed at any employee at any time. ☐ ☐ ☒ ☐
58. Hands are kept clear of open barrel end. ☐ ☐ ☒ ☐
59. Loaded tools are not left unattended. ☐ ☐ ☒ ☐
60. Fasteners are not driven into very hard or brittle materials. ☐ ☐ ☒ ☐
61. Fasteners are not driven into easily penetrated materials unless suitable backing is provided. ☐ ☐ ☒ ☐
62. Fasteners are not driven into spalled areas. ☐ ☐ ☒ ☐
63. Powder-actuated tools are not used in an explosive or flammable atmosphere. ☐ ☐ ☒ ☐
64. All tools are used with correct shields, guards, or attachments recommended by manufacturer. ☐ ☐ ☒ ☐

JACKING TOOLS (5.2.8)

65. Rated capacities are legibly marked on jacks and not exceeded. ☐ ☐ ☒ ☐
66. Jacks have a positive stop to prevent over-travel. ☐ ☐ ☒ ☐
67. The base of jacks are blocked or cribbed to provide a firm foundation, when required. ☐ ☐ ☒ ☐
68. Wood blocks are placed between the cap and load to prevent slippage, when required. ☐ ☐ ☒ ☐
69. After load is raised, it is cribbed, blocked, or otherwise secured immediately. ☐ ☐ ☒ ☐
70. Antifreeze is used when hydraulic jacks are exposed to freezing temperatures. ☐ ☐ ☒ ☐
71. All jacks are properly lubricated. ☐ ☐ ☒ ☐
72. Jacks are inspected as required. ☐ ☐ ☒ ☐
73. Repair or replacement parts are examined for possible defects. ☐ ☐ ☒ ☐
74. Jacks not working properly are removed from service and repaired or replaced. ☐ ☐ ☒ ☐

HAND TOOLS (5.2.9)

75. Wrenches are not used when jaws are sprung to the point of slippage. ☒ ☐ ☐ ☐
76. Impact tools are kept free of mushroomed heads. ☒ ☐ ☐ ☒
77. Wooden handles of tools are kept free of splinters or cracks and are tightly fitted in tool. ☒ ☐ ☐ ☐

CHAIN SAWS (5.2.10)

78. Chainsaw equipped with spark arrestor and fully functioning chain brake ☐ ☐ ☒ ☐
79. Chainsaw operator's manual readily available ☐ ☐ ☒ ☐
80. Fully stocked first aid kit and multipurpose fire extinguisher available ☐ ☐ ☒ ☐
81. Appropriate personal protective equipment available and worn ☐ ☐ ☒ ☐
82. Clothing free of loose edges that could become entangled in the saw ☐ ☐ ☒ ☐
83. Chainsaw handles kept dry, clean, and free of oil or fuel mixture ☐ ☐ ☒ ☐
84. Chainsaws held firmly with both hands and used right-handed ☐ ☐ ☒ ☐
85. Operator standing to the left of the saw out of the plane of the chain ☐ ☐ ☒ ☐
86. Saw used between the waist and mid-chest level ☐ ☐ ☒ ☐
87. Full throttle maintained while cutting ☐ ☐ ☒ ☐
88. Operator aware of position of guide bar tip, does not contact tip with anything being cut ☐ ☐ ☒ ☐
89. Bumper spikes maintained as close to the object as possible ☐ ☐ ☒ ☐
90. Operator aware of what is in the saw's downward path after the cut ☐ ☐ ☒ ☐
91. No attempt to made to cut material that is larger than the guide bar of the saw ☐ ☐ ☒ ☐
92. Cuts avoided that will cause chain to jam ☐ ☐ ☒ ☐
93. Non-metallic wedges used to prevent compression cuts from jamming the blade ☐ ☐ ☒ ☐
94. Bystanders and helpers kept at a safe distance from operation ☐ ☐ ☒ ☐
95. Chainsaw not operated when fatigued ☐ ☐ ☒ ☐
96. Fire extinguisher present when operating the chainsaw in forest or brushy areas ☐ ☐ ☒ ☐

Yes No N/A N/O

CH2MHILL**HS&E Self-Assessment Checklist: PERSONAL PROTECTIVE EQUIPMENT**

Page 1 of 2

This checklist shall be used by CH2M HILL personnel **only** and shall be completed at the frequency specified in the project's HSP/FSI.

This checklist is to be used at locations where CH2M HILL employees are required to wear PPE or are required to perform oversight of a subcontractor using PPE or both.

CH2M HILL staff shall not direct the means and methods of subcontractor use of PPE nor direct the details of corrective actions. The subcontractor must determine how to correct deficiencies and CH2M HILL staff must carefully rely on their expertise. Conditions considered to be imminently dangerous (possibility of serious injury or death) must be corrected immediately or all exposed personnel must be removed from the hazard until corrected.

Project Name: Former Raritan Arsenal

Location: Raritan, NJ

Auditor: Jonathan Waldron

Title: Safety Coordinator

Project No.: 427946

PM: Mark Callaghan

Date: 5/22/14

This specific checklist has been completed to (check only one of the boxes below):

- ☐ Evaluate CH2M HILL compliance with its PPE program (SOP HSE-117)
☒ Evaluate a CH2M HILL subcontractor's compliance with its PPE program
 Subcontractor's Name: USA Environmental

Check the appropriate box, as follows:

- Check "Yes" if an assessment item is complete or correct.
- Check "No" if an item is incomplete or deficient. Section 2 must be completed for all items checked "No."
- Check "N/A" if an item is not applicable.
- Check "N/O" if an item is applicable but was not observed during the assessment.

Numbers in parentheses indicate where a description of this assessment item can be found in Standard of Practice HSE-121.

SECTION 1**GENERAL**

1. Required PPE listed in HSP FSI or AHA.
2. PPE available for use by employees.
3. PPE cleaning supplies available for use.
4. PPE stored appropriately to prevent deformation or distortion.
5. PPE written certification has been completed.

Yes	No	N/A	N/O
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

EYEWEAR (Glasses/Goggles/Face Shields)

6. Eyewear cleaning supplies available.
7. Safety glasses in good condition and lenses free of scratches.
8. Goggles adjustment strap not cracked or frayed, not deformed, or lenses not scratched.
9. Face shields in good condition, including adjustment band, and free of scratches or chips.

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CH2MHILL**HS&E Self-Assessment Checklist: PERSONAL PROTECTIVE EQUIPMENT**

Page 2 of 2

SECTION 1 (Continued)	Yes	No	N/A	N/O
HEAD PROTECTION				
10. Hard hat bill and suspension attached as allowed by manufacturer.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Shell is pliable, free of dents, cracks, nicks, or any damage due to impact.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Suspension maintained at 1.25 inches from inside of shell.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Suspension free of cuts or fraying, torn headband, adjustment strap workable.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Electrical hard hat matched to hazard classification.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Dated to determine whether within manufacturer's allowable 5-year use time period.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HAND PROTECTION				
16. Available in sizes matched to employee.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Gloves free of rips tears, abrasions, or holes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Matched to manufacturer's specification for chemicals used onsite.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. Electrical gloves matched to hazard and periodically inspected for insulating rating.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Maintained in a clean and sanitary condition, decontaminated or disposed properly.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BODY PROTECTION				
21. Available in sizes matched to employee.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Maintained in a clean and sanitary condition, decontaminated or disposed properly.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23. Vapor-tight fully encapsulated suits tested at required periodic intervals.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24. Flame-resistant clothing matched to electrical hazard and arc flash rating.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25. Welding gear matched to degree of hazard and free of cuts, tears or burn holes.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
26. Flotation gear available for work near or on water and in good condition.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HOT AND COLD BODY PROTECTION				
27. Cooling gear available based on degree of heat stress hazard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Cooling gear in operable, clean, and sanitary condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Cold-weather gear provided based on needs assessment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Cold-weather gear available in sizes to match employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Cold-weather gear is in free of tears, rips, or holes and in maintained in a clean condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TRAINING				
32. Initial PPE training completed by employees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. Training conducted when new types or styles of PPE are issued.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. PPE selection, use, and maintenance reviewed at daily safety briefings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Personnel onsite 5-22-14

Employee	Position	Company
Rose, Chris	SUXOS	CH2M
Fillion, Ray	UXOQCS	CH2M
Waldron, Jonathan	SSHO	CH2M
Croctic, Jake	MRSIMS	CH2M
Gildea, Patrick	SUXOS	USA Environmental
Davis, Scott	Tech II	USA Environmental
Wilder, Joseph	Tech II	USA Environmental
Clark, Denise	Tech II	USA Environmental
Lityjak, Andrew	Tech II	USA Environmental
Matter, Phillip	Tech III	USA Environmental
Starr, Rex	Tech II	USA Environmental
Wilder, Joseph	Tech II	USA Environmental
Hopkins, Emmit	USACE UXO	USACE