CH2MHILL
----------

#### DAILY REPORT

CH2MHILL (ATTACH ADDITIONAL SHEETS IF NECESSARY)									
CONTRACT NA	ME:				REPORT NO:		003		
CONTRACT NUMBER: W912DY-09-D-0060		REPORT DATE:		10/25/13					
REVISION NUM	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		ıris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron			
AM WEATHER:	Cold, Partly	cloudy PM Partly Clo		oudy, 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 CON	NDITIONS/DEI	LAY/CONFLICTS ENCOUNTERED (List any contither conditions, etc.): ARGO not operational. Mecl	onflicts with t	he project	t [i.e., scope o	of work and/or drawing	s], delays to the
		S: USACE Team Meeting	namear rane	ire iii iiei	u.		
		QUALITY CONTRO	OL REPOR	Γ			
MATERIALS DI	ELIVERED TO	) JOB SITE					
Quantity/Volume Weight	e/	Description of Materials Received	Make/M	Iodel/Mar	nufacturer	Material Lot Number	Inspection Performed By
2		Portable Field Toilets		Mr. John	1		CH2M HILL
COMMENTS (ac	cceptance status	s, inspection findings, etc.):					
INSPECTIONS I	PERFORMED						
Task/Activity	Inspected	Inspection Performed				Findings	
Schonsted in	nspection	Daily/Serviceability				Pass	
GPS Equi	GPS Equipment Daily/Serviceability Pass						
Generator	<u>.</u>	Daily/ Serviceability		Pass			
Fire Extinguishers		Weekly		Pass			
First Aid Kit		Monthly	Pass				
TESTS PERFOR	RMED						
Task/Activity Tested		Test Performed			7	Test Results (Pass/Fail)	- Criteria
GPS equipment		Function and accuracy test	-				
Schonsted		QC check		Pass			
Site communication/ Radio		Radio Check				Pass	
QUALITY ISSU	ES AND RESO	LUTIONS: Zero					
		SUBMITTALS INSPECT	TION / REV	IEW			
Submittal No.	Submittal Description	Specification/Plan Reference	Sı	ıbmittal A	pproved?	Comment/Re	ason/Action
NA	-		Yes	s 🗆	No 🗆		
			Yes	s 🗆	No 🗆		
			Yes	s 🗆	No 🗆		
			Yes	s 🗆	No 🗆		

#### APPENDIX F - DAILY REPORTS

	REGULATORY COMPLIANCE REPORT								
PERMIT IN	SPECTIONS P	ERFORMED: NA	<u>.</u>						
	WASTE ACCUMULATION/STOCKPILE AREA INSPECTION								
Inspection Pe	rformed By:	NA		Signature of Inspector:	NA				
Accumulation Stockpile Are	- /	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									
portions or de and last name	signate as "not a on each comple	oly in ink. Line out applicable". Prepar ted daily report. The	er signs first his form may	Jonathan Waldron		1	10/25/13		
be filled out electronically and signed electronically.  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.

Project. RI/FS Former R	ariton Arsenal		Date: 10/25/2	2013
LOCATION OF WORK - DS	Λ #2 Λroo 12 DS	2A #E		
LOCATION OF WORK: DS	A #3, Alea 12, DS	DA #3		
DESCRIPTION OF WORK:	Mobilization ans Land Survey (Bo	Site Setup oundary/Transect S	take Establishr	nent)
WEATHER: ⊠(CLEAR) TEMPERATURE:	□(FOG) MIN: <u>34</u> °F	□(P.CLOUDY)	□(RAIN) MAX: <u>54</u> °F	□(WINDY)
Work completed today by some specific predge Spoil Area 2 trancet language.				
Mutual Understanding Kickoff	meeting.			
Work completed today by Collow on Inspection DFOW L	•		ke Establishme	ent)
3. All work performed in confo If not, explain:	rmance with Work	ι Plan requirements	s? Yes	
4. Non-conformances/deficien	cies reported:			
None				
5. Comments: None				
	OF DITIFICATION	ON: I certify that the a	shove report is as	amplete 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 Ars	senal
<ul> <li>Y=YES; N=NO; SEE REMARKS</li> <li>BLANK=NOT APPLICABLE</li> </ul>	3
WORK COMPLIES WITH WORK PLAN APPROVED IN INITIAL PHASE	AS 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 proceedures to insure compliance with Work Plan APP and SOPS.	

Mucha / A Mullandra 10-25-2013

Project QC Specialist Date



# WEEKLY QUALITY CONTROL REPORT



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

## 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)

October 22, 2013

CH2M Hill Mobilized to Edison, NJ,

#### 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.

#### 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.

#### October 25, 2013

A Mutual Understanding, kickoff meeting was conducted via teleconference. CH2M Hill marked transects in Area 2.

### 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

F-7



# WEEKLY QUALITY CONTROL REPORT



	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 DFOW Mobilization and Site Set Up 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
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 Repais are scheduled for 26 October.

### 11. Site Visitors



# WEEKLY QUALITY CONTROL REPORT



CH2MHILL.				
Project Name: Remedial investigation / Feasibility Study Former I	Raritan Arsenal	Report No: Week 1		
Contract #. <u>W912DY-09-D-0060</u> CTO #: <u>003</u>		Date: 25 OCT 13		
Location Edison New Jersey				
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 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.				
Name and Signature: Michael Malko Muchaela Milla	Title/Company:UXOQC CH2M	Date: Hill October 25, 2013		



## CH2MHILL

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

Project: Former Runta ) Date: 0 25/13	Location: Edi	ison, NJ			
Supervisors TI Valders / Page 1st					
Supervisor: J. Waldra C. Rose Job Activity: Site Prep, Trader set up, Trosect flagging					
many of the first set of the set					
3000000					
Attendees: Print Na	me	Sign Name			
See Affached					
/4					
List Tasks and verify that applica	hle AHAs have been reviewed:				
Hrap UTV					
	- F				
Tools/Equipment Required for T	asks (ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipment,			
power tools):	20.7				
UTV, hard tools, 1	PPG				
	g chemical, physical, safety, biologi	cal and environmental (check all that			
apply):					
∠ Chemical burns/contact	Trench, excavations, cave-ins	<u>≰</u> Ergonomics			
🗶 Pressurized lines/equipment	× Overexertion	Chemical splash			
Thermal burns	X Pinch points	■ Poisonous plants/insects			
Electrical	★ Cuts/abrasions	⊈ Eye hazards/flying projectile   ■ The state of the s			
<b>K</b> Weather conditions	X Spills	<u> </u> Inhalation hazard			
Heights/fall > 6 feet	Overhead Electrical hazards	_ <b>X</b> Heat/cold stress			
<u>⊀</u> Noise	Elevated loads	★ Water/drowning hazard			
★ Explosion/fire	✓ Slips, trip and falls				
Radiation	Manual lifting	Aerial lifts/platforms			
Confined space entry	Welding/cutting	Demolition			
Underground Utilities	Security	Poor communications			
Other Potential Hazards (Describe):					
MEC, See attacked MGC brief From SUXOS					
		170 = -700			
-	The second secon				

#### APPENDIX F - DAILY REPORTS

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

Date: 10/25/13

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet  Today's Date: 10/25/13			
Name (printed)  MICHNEL MALKG  (ACE ROSE  Keyn, Lombarko  Junathan Waldra	Signature The Shafe has	Company CHZMHICK CHZMHICK CHZMHICK CHZMHILL CHZMHILL	

## CH2MHILL

	Safe E	Behavio	r Observation Form	
Project Number: 427946	,	Client	Program: USACE	□CCI □INC
Project Name: Former Rordon	Asserd	Obser	ver: J. Waldra	Date: 10/25/13
Position/Title of UXOQCS worker observed:		SRTEC	Background Information/ Trusect Flo	روس المال
Task/Observation <u>ARGO</u> Observed:	UT	Vc	pendins	
	oractices es, cond elimina	s/acts itions, co ting/redu	ontrols, and compliance that eliminate o ucing hazards (do you have what you ne	
Actions & Behaviors	Safe	At- Risk	Observations/Comm	ents
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work Programmed 1 Sommer 1 Som Sprances	ractices: whe work wed in Argo
Properly trained/qualified/experienced	X		1,	
Tools/equipment available and adequate	X	1		
Proper use of tools	X		Questionable Activity/Unsafe Çondi	tion Observed:
Barricades/work zone control	X		None Observed	
Housekeeping	X			
Communication	X		-	
Work Approach/Habits	X			
Attitude	X			
Focus/attentiveness	V		Observer's Corrective Actions/Com	ments:
Pace	X		٨	
Uncomfortable/unsafe position	X		A	
Inconvenient/unsafe location	X		1 000	
Position/Line of fire	X			
Apparel (hair, loose clothing, jewelry)	X			
Repetitive motion	X		Observed Worker's Corrective Actio	ns/Comments:
Other				

For WST ES staff please email completed forms to <a href="mailto:CH2MHILL WST ES Safe Behavior Observations">CH2MHILL WST ES Safe Behavior Observations</a> - (<a href="https://www.wst.es/wst.



Programs & Project Management Division Environmental

**Record of Attendees** 

CENAN-PP-E

New York District

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

_	PHONE	ORGANIZATION	EMAIL	NAME
	0930 EST (0830 CST)	2890 Woodbridge Avenue		County, New Jersey
	25 October 2013	USACE field trailers	located at Edison, Middlesex	Arsenal - Formerly Used Defense Site (FUDS) located at Edison, Middlesex
7	DATE	LOCATION	I HILL for the Former Raritan	MELTING Pre-Construction meeting for CH2M HILL for the Former Raritan
- te				Wew TOTA DISTILL

Pre-Construction meeting for CH.	're-Construction meeting for CH2M HILL for the Former Raritan	LOCATION	DATE
- Formerly Used Defense Site (FUDS) located at Edison, Middlesex	DS) located at Edison, Middlesex	USACE field trailers	25 October 2013
New Jersey		2890 Woodbridge Avenue	0930 EST (0830 CST)
NAME	EMAIL	ORGANIZATION	PHONE

-	Sandra L. Piettro · N. Ø	Sandra I Diettro@neace army mil		
-	くつ幸	Sanda.L.r retu ol@usace.ai III).IIIII	USACE, NY DISTRICT	(917) 790-8487
-2-	Dorothy Richards /	Dorothy. D. Richards@usace.army.mil	USACE, Huntsville	(256) 895-1419
₩	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
ν̈́	Mark Callaghan ✓	Mark.Callaghan@ch2m.com	CH2M HILL	(703) 376-5054
-9	David Nelson	david.nelson@ch2m.com	CH2M HILL	(678) 530-4250
7	Famir Klaff	tamir.klaff@ch2m.com	CH2M HILL	(202) 596-1199
8	Kevin Lombardo	Kevin.lombardo@ch2m.com	CH2M HILL	(703) 608-8247
-6	Neah Weinberg.	Noah.Weinberg@CH2M.com	CH2M HILL	
10-	· Joanthan Waldron	Jonathan.Waldron@CH2M.com	CH2M HILL	505-314-3/6/
111-	Chris Rose' Cun	Chris.Rose@CH2M.com	CH2M HILL	251-421-5 AV
12-	12 Michael Malko Myryy	Michael.Malko@ch2m.com	CH2M HILL	417 855 0256
13-				
14-		11		
15-				

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U.S. Army Corps of Engineers • New York District Jacob K. Javits Federal Building • 26 Federal Plaza, Room 1811 • New York, NY 10289-0090

F-10: FINAL INSPECTION CHECKLIST

PAPPENDIXF-DAILY REPORTS ION Meeting COE Site TRAiles (PART II)

MEETING ATTENDANCE LIST

Remedial Invstigatio	on /Feasibility Study Former Rarito	n Arsenal
Meeting: Meeting of Understanding		Date: 10/25/2013
Name	Organization	Phone Number
MICHAEL MALVIO	CH2M HILL	417-855-0256
Chris Posen	CH2M HILL	256-426-5849
Kevin hombardo	CHAM HIL	703 608 8247
SANDRA PIETTRO	USACE	917.790.8487
Josetha Waldren	CH2M HILL	505-314-3161

#### 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

Brett Frazier/CEHNC

Deb Edwards/CEHNC

Mike Malko/CH2M HILL

Kevin Lombardo/CH2M HILL

Chris Rose/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 feasibly of current approach/location of transects. Document findings with field notes, QC reports and photos.

F-17

#### APPENDIX F - DAILY REPORTS

- 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.

F-18



Attachment 1





# Preconstruction and Mutual Understanding Meeting October 25, 2013 (9:30am – 11:30am eastern)

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







Google

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



- 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)



- 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
- 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.

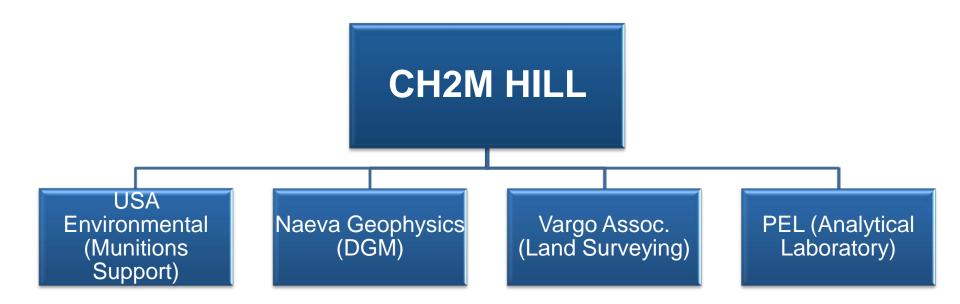
# SHSO

# 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.

Jun' 2014

Oct '2013

Jan' 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

Oct 23 - Nov 04 - Nov 04 - Nov 11 - Nov 22

# • Mobilization and site set up.

# Transect Marking and Flagging



#### Vegetation Reduction and Surface Clearance

 UXO Technicians will first remove/reduce vegetation and then ensure that the surface is clear of any items that could interfere with the DGM survey

## Aquatic DGM survey

- DGM survey (100% coverage) will be performed within Area 13 water.
- Transects will be conducted across Area 12 OB/OD kick out area within the water.

#### Terrestrial DGM Survey

 Following establishment of an IVS, DGM teams will begin to conduct survey of transects in some areas and 100% coverage in other areas.



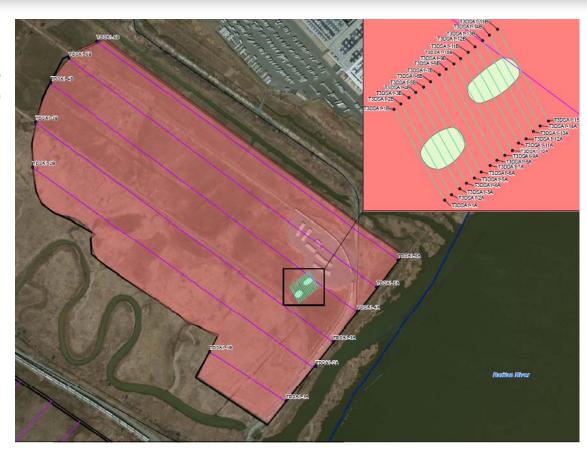
# Area 6, 6A and 6B – Former Burning Ground and Impoundment Area

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

- □ The 1993 archival search report mentioned two small pits that were located less than 100 yards from the southwest boundary of Area 6A.
- CH2M HILL reviewed aerial photo interpretation overlays and were able to locate these pits and geo-reference them.
- Additional DGM transects will be placed in this area to attempt to ascertain the locations of these pits.



# 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 12 – OB/OD Kick Out Areas

□ To the immediate north and south (within the 974 ft kick out radius) DGM transects (30m apart) will be conducted on the land and in a portion of the Raritan River to look for kick-outs from OB/OD operations.



# Area 13 - Submerged Dock Area

- Area 13 includes both terrestrial and water investigations
- On the land
  - ❖ A comprehensive DGM survey will be performed (spacing of approx 0.75m).
- Within the River.
  - Underwater DGM will be performed to cover at least 80% of the area.



### 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)

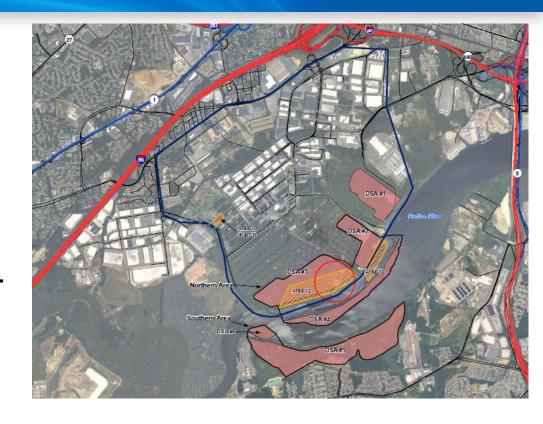
- □ The DSA was established by USACE in April 2012 during development of the work plan.
- For investigation purposes it is comprised of six individual areas (DSA #1 through DSA #6)
- DGM transects (100m apart) will be conducted to look for evidence of DMM.
- In the north-east of DSA #5 transect spacing 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**

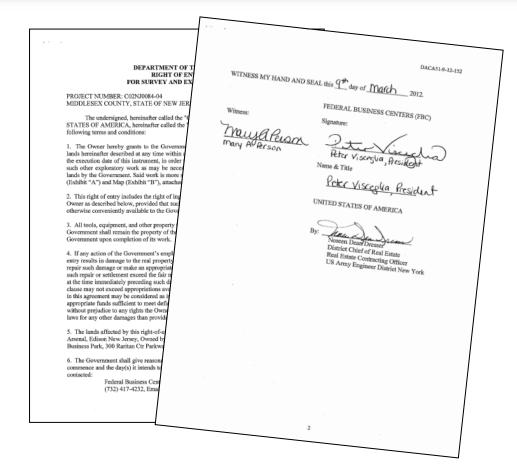
- Phase I site work (i.e., surveying, vegetation reduction, laying grid lanes, DGM) does not require the establishment of an MSD.
- If MEC is encountered during surface clearance that is unacceptable to move it will be blown-in-place.
- Positive control of the exclusion zone will be maintained at all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



# Logistics (contd.)

### Working hours

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

### □ Site Security

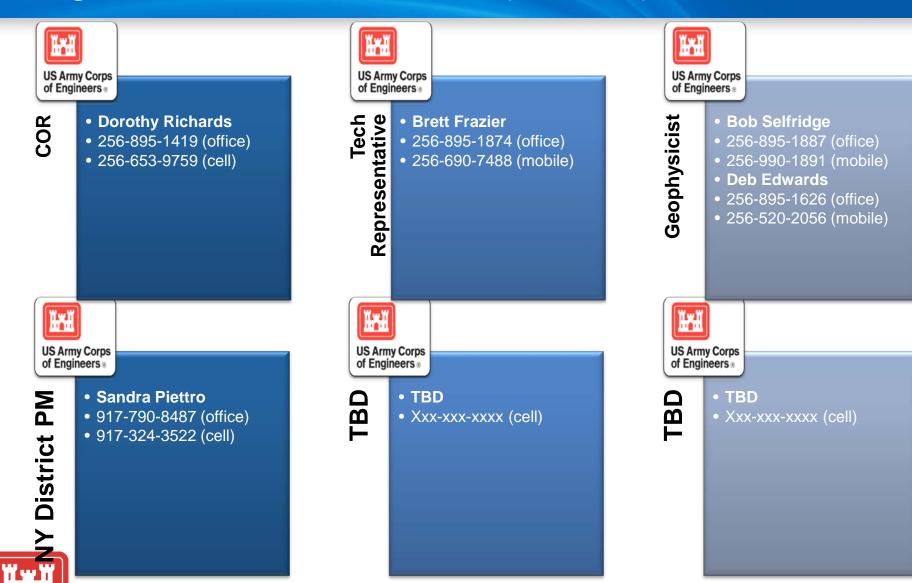
- CH2M HILLs office trailer is secured within the EPA property
- Any issues with site security?

### □ Utility clearance

Not required for Phase I.



# Logistics - Points of Contact (USACE)



# Logistics - Points of Contact (CH2M HILL)





- Chris Rose
- 256.426.5849 (cell)











- 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
  - Mobilization and Site preparation
  - Vegetation Reduction
  - Land survey
  - Aquatic & Terrestrial DGM surveys

Field Operations

### Data Submittal

- Geophysical data (raw and processed)
- QC documentation.



### 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**

•	CH2MI	HLL
CONTRA	ACT NAME:	

#### DAILY REPORT

CH2	INIHILL	(ATTACH ADDITIONAL SHEETS IF NECESSARY)								
CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:	REPORT NO:		004		
CONTRACT NU	JMBER:	W912D	Y-09-D-0060		REPORT DATE:		10/28/13			
REVISION NUM	MBER:				REVISION DATE:					
TASK ORDER N	NUMBER:	003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ				
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark C	allaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup	ervisor:	Chris Rose		hris Rose SITE HEALTH & SAFETY OFFICER:		& SAFETY	Jonathan Wald	ron		
AM WEATHER:	Cold	PM Clear WEATHER:			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

 $\textbf{SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED} \ (\textbf{Include Observations, Safety Violations, Corrective Instructions Given, Corrective Instruction Given, Corrective Instruction Given, Corrective Instruction Given Instruction Given$ 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

ODED	TIONE	/ PRODUCTION	DEDODT

#### 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 T		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

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

MAY 2021

F-52

****	ama . ~ ~ -	I TO VICIONIA OR INVENE CONTROL					
WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS							
Performed Work / Tes	Performed Work / Test for Today: Continue to flag transects at DSA 2 and Site 12						
Planned Work / Test fo	Planned Work / Test for Tomorrow: Continue site boundary and transect flagging						
Planned Work / Test for	or Next Weel	k: Boundary and transect flagging					
		AY/CONFLICTS ENCOUNTERED (List any corther conditions, etc.): ARGO not operational. Mech					
VISITORS AND DIS	CUSSIONS	: Weekly status call with project team					
		QUALITY CONTRO	OL REPORT				
MATERIALS DELI	VERED TO	•					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By	
1		Tracked Skid Steer	Takeuchi TL	230C	223100479	CH2M HILL	
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass	<u> </u>				
INSPECTIONS PER	FORMED						
Task/Activity Ins	pected	Inspection Performed			Findings	Findings	
Schonsted inspe	ction	Daily/Serviceability			Pass		
GPS Equipme	ent	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability		Pass			
Fire Extinguish	ners	Monthly		Pass			
First Aid Ki	t	Monthly		Pass			
Skid Steer		Daily/Weekly		Pass			
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	ED .						
Task/Activity To	1	Test Performed			Test Results (Pass/Fail)	- Criteria	
GPS equipme		Function and accuracy test		Pass			
Schonsted QC check Pass				Pass			
Site communication/ Radio Radio Check Pass							
QUALITY ISSUES A	AND RESOI	LUTIONS: Zero					

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-53

			SURN	MITTALS INS	PECTION /	PEVII	W				
Submittal No	Descript		Specification/F			nittal A	.pprove	d?	Comment/Reas	son/Action	
NA						Yes		No			
						Yes		No			
						Yes		No			
						Yes		No			
			REGU	LATORY CO	MPLIANCE	EREPO	ORT				
PERMIT IN	SPECTIONS PI	ERFORMED: NA									
		W	ASTE ACCUM	IULATION/S'	TOCKPILE .	AREA	INSPE	CTIO	N		
Inspection Per	rformed By:	NA			Signature of Inspector: NA						
Accumulation Stockpile Are		NA									
No of Containers:	NA	No of Tanks	NA		No of Roll-	1-Off Boxes: NA		No. of Drums	NA		
Inspection Re	sults: NA							•		•	
				GENERAL	COMMENT	ΓS					
General Com	ments~ (rework,	directives, etc.): A	RGO inoperable	. To be repaired	d by end of w	eek and	returne	ed to op	peration f	for work beginning on	Monday 11/4/13.
				ATTAC	CHMENTS						
		les, as applicable: s .): Daily Production								manifests, profiles, re	work item list,
portions or de and last name	signate as "not a on each complet	ly in ink. Line out pplicable". Preparted daily report. The signed electronica	er signs first nis form may		Jonathan Waldron					10/28/13	
oe imeu out e	iccubilically allo	angueu electronica	шу.		PREPARE	R'S SIGN	IATURE				DATE

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

MAY 2021

CH2M HILI	L	CO	NTE	RACTOR PRODU	СТ	ION REP	PORT			OF REPORT: 10/28	3/2013
W912DY-09-D-00	060	(ATTACH ADDITIONAL SHEETS IF NECESSARY)  REVISION NO: REVISION DATE:									
CTO NO. 002		DD OVECT MANAGE	ME/LOCATION: Former Raritan Arsenal – RI/FS REPORT NO: 004								
CTO NO: 003		PROJECT NAME	_		enal –	· RI/FS	*****				
PROJECT NO: 42			-	XOS: Chris Rose				Kevin Lo		UXOQCS: Mike	
AM WEATHER: Sunn	ıy/ cold		PM	WEATHER: Sunny / cool			<u> </u>	MP: 61 °F		MIN TEMP: 37 °F	•
				SUMMARY OF WOR	K PE	RFORMED TO	ODAY				
The weekly operations	confere	nce call was conducte	1.								
A skid steer has arrived	d on site	for transect marking a	nd is cu	arrently replacing the Argo, which	ch is de	own for transmiss	ion repairs.				
1 transect in Area 2 wa	ıs marke	d for vegetation reduc	tion and	1 DGM. A 2 <sup>nd</sup> transect was starte	d befo	re the Argo exper	rienced trans	mission fail	ure and had to	be removed from the	e site for
repairs. These transects	s are in t	he area designated for	holding	g materials moved from Area 13							
Transects were marked	l in both	Area 12 and DSA 2.	transe	ct remains to be marked in the so	outherr	portion of Area	12. Approxir	nately half	of a transect r	emains to be marked	to complete
the lay down area set a	side for	the bridging company	in DSA	A 2.							
								TOTAL	L WORK I	IOURS ON JOB S	SITE THIS
	Was A	A Job Safety Meetir	g Helo	d This Date?		∑ Yes	☐ No			ding Continuation S	
		there any lost-time				☐ Yes	⊠ No	СН2М	HILL On-Si	te Hours	42
/ \ \		s, attach copy of comp			0		Z 110	CITZIVI	THEE OII-5	ite Hours	72
图图		confined Space En		ermit Administered This Date	e?	☐ Yes	⊠ No	Subcon	tractor On-S	Site Hours	0
JOB	Were	Crane/ Man-lift/ Tr	enchin	g/ Scaffold/ HV Electric/Hig	gh	_		Total C	n-Site Hou	rs This Date	42
\ x /		HAZMAT Work I , attach statement or c		showing inspection performed)		☐ Yes	⊠ No			f Work Hours	162
\									revious Rep		
	Was Hazardous Material/Waste Released into the Environment?  (If Yes, attach description of incident and proposed action)  Yes No Total Work Hours From Start of Construction							204			
SAFETY ACTION	IS TAF	EN TODAY/SAF	ETY I	NSPECTIONS CONDUC	ΓED (	Include safety	violations,	correctiv	e instruction	ıs given, corrective	actions
taken, and results o	f safety	v inspections condu	cted):	Daily safety briefing.							
EQUIPMENT/MATE	ERIAL 1	RECEIVED TODAY	TO BI	E INCORPORATED IN JOB				1			
	OF EQU RECEI	IPMENT/MATERIAI VED	-	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			PECTION ORMED BY	NUMBER/ V WEIG	
	Skid s			Takeuchi / TL 230		12186			han Waldron	lea	n
	Trail			Tow Master		484E			han Waldron	lea lea	
	11411	Ci		Town Master				, one		100	
EQUIPMENT USED	ON JO	B SITE TODAY.									
									ĺ	NUMBER OF HOUR	S
EQUIPMEN'	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	SA	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
	GPS			Trimble Geo XH		Chris	Rose		1	9	
Utilit	ty Vehic	le		Argo		Chris	Rose		0	10	10
	GPS			Trimble Geo XH		Mike N	Malko		2	8	
Pick	-up Truc	ck		Dodge Ram 1500		Jonathan	Waldron		10	0	
Pick	-up truc	k		Chevrolet Silverado		Noah W	einberg		10	0	
	SUV			Ford Edge		Chris			10	0	
Offic	ce Traile	er		ModSpace		Jonathan			10	0	
Ge	enerator			Ingersol Rand		Jonathan			10	10	
	able toil			Satellite Industries		Chris			3	0	
	Portable toilet Satellite Industries Chris Rose 3 0  Strid coor Jonathan Waldron 3 3										
	id steer			Takeuchi		Jonathan			3	3	
	Frailer	N	O 300	Tow Master					3	3	, ,1
project attributable to	TONS/I o site ai	DELAY/CONFLICT nd weather condition	s ENC ons, etc	OUNTERED ( <i>List any confli</i> c.): Area18 D requires addit	cts wi ional	in the delivery transects to en	order [i.e., sure the su	scope of s spected tr	work and/or ench area w	· arawıngs], delays vill be covered duri	to the ing the
investigation. The a	irea rec			ts has been forwarded to To							
VISITORS TO THE	SITE:										
LIST OF ATTACHME	ENTS (C	OSHA report, confi	ned spe	ace entry permit, incident re	norts.	etc.):					

F-55

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODU (ATTACH ADDITIONAL SHEE	REVISION NO.			
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arse	enal – RI/FS	RE	EPORT NO: 004	
	WORK PERI	FORMED TODAY	•		
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Chris Rose	Transect Marking	CH2M HILL		SUXOS	10.5
Mike Malko	Transect Marking	CH2M HILL		UXOQCS	10.5
Jonathan Waldron	Transect Marking	CH2M HILL		SSHO	10.5
Kevin Lombardo	Transect Marking	CH2M HILL		UXOSO	10.5
	INCLUDE ALL PERSONNEL WORK HOUL	RS IN THE TOTAL WORK HOURS	ON JOB SITE		
SAFETY REQUIR	REMENTS HAVE BEEN MET 🛛	Chij Roz SUPERINTENDENT'S SIGN	-	10/28/13 DATE	

#### 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:

- 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.

Project. RI/FS Former Rarit	Date: 10/28/2	2013		
LOCATION OF WORK: Area	12, DSA #2			
	Nobilization and and Survey (Bo	Site Setup oundary/Transect S	take Establishr	nent)
WEATHER: ⊠(CLEAR) TEMPERATURE:	□(FOG) MIN: <u>40</u> °F	□(P.CLOUDY)	□(RAIN) MAX: <u>61</u> °F	□(WINDY)
<ol> <li>Work completed today by sub Dredge Spoil Area 2 transect lay</li> </ol>		9		
.Area 12 Transect layout and Ma	ırking			
Work completed today by QC Follow on Inspection DFOW Lar			ke Establishme	nt)
3. All work performed in conform If not, explain:	ance with Work	Plan requirements	? Yes	
4. Non-conformances/deficiencie	es reported:			
None				
5. Comments: None				
		DN: I certify that the a		

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

MAY 2021

#### F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

Contractor: CH2M Hill

# CONTRACTOR QUALITY CONTROL DAILY REPORT CONTINUATION SHEET (ATTACH ADDITIONAL SHEETS IF NECESSARY) Date: 10-28-2013

Project:	RI/FS Former Raritan Arsenal	
	ES; N=NO; SEE REMARKS APPLICABLE	
	PLIES WITH WORK PLAN AS IN INITIAL PHASE	Yes

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

#### 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





#### CH2MHILL

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

e been revièwed:	Sign Name / Show loves free fair to
e been revièwed:	Sign Named Market January June January
e been revièwed:	Sign Name Mall Mary Barry B fine for the same of th
e been revièwed:	Signal Single Single Sandenes
e been revièwed:	Jew Roses Many Roses Justines
e been revièwed:	Jan Regel Manuelle fundances
e been revièwed:	manuel fre bardenes
e been revièwed:	manuels fundames
e been revièwed:	me bardenes
e been revièwed:	he bardenes
e been revièwed:	he bandenes
e been revièwed:	ile bardenes
e been revièwed:	ile bandknes
e been revièwed: Imsety + S	ile bandenes
forsety + S	ile bandenes
)	
nysical, safety, biolog	gical and environmental (check all that
excavations, cave-ins	✓ Ergonomics
ertion	Chemical splash
pints	✓ Poisonous plants/insects
rasions	✓ Eye hazards/flying projectile
19210112	✓ Inhalation hazard
ad Electrical hazards	✓ Heat/cold stress
id Electrical Hazards	
112232	✓ Water/drowning hazard
d loads	★ Heavy equipment
p and falls	Aerial lifts/platforms
p and falls lifting	
p and falls	Demolition
p and falls lifting	Demolition
-	al lifting

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
▼ Thermal/lined	Sloping	X Fire extinguishers	Lockout/tagout
∠ Eye	Shoring	Fire watch	Grounded
× Dermal/hand	Trench box	Non-spark tools	✓ Panels covered
Hearing	Barricades	∠ Grounding/bonding	▲ GFCI/extension cords
Respiratory	∠ Competent person	✓ Intrinsically safe equipment	Z Power tools/cord inspected
X Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	X Daily inspections		Underground utils ID'd
⊀ Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	✓ Backup alarms	Flash-back arrestors
Covered/opening	Personnel sampling	XHand/power tools	No cylinders in CSE
	LEL/O2	Crane with current inspection	Flame retardant clothing
Fixed barricades	No visible dust	Proper rigging	Apprøpriate goggles
— Warning system		*Operator qualified	Appropriate goggies
	Other	Coperator quantied	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	¥ First-aid kit	Work/rest regime	Traffic control
Air monitoring	T Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	∠Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue	1	Training	
7 Meseuc			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person		Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	¥ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	<b>火</b> Hazcom
11 L L LIBITATION	Incident Communications	AHA' s	1
Underground Utilities	Work stops until cleared by	reviewed and approved by HSM	
Dig alert called	TM/CM	on site and current	
_3 <sup>rd</sup> Party locater	Immediate calls to TM/CM	applicable for this day's work	
_As-builts reviewed	★ Client notification	Communication and incident pro	aresses included?
_Interview site staff	₹24 hour notification setup	• communication and incluent pro	vecases meladea:
_Client review	Clear communications		
soft locate necessary?			
Field Notes (including	l observations from prior day, e	etc.):	

Name (Print): Thualdn

Date: 10/28/13

CH2MHILL	
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#### DAILY REPORT

CH2	EMIHILL		(ATTACH ADI	DITIONAL S	HEETS IF NECESSA	ARY)			
CONTRACT NA	ME:	Former !	Raritan Arsenal		REPORT NO:		005		
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	3:	10/29/13		
REVISION NUM	MBER:				REVISION DAT	ГЕ:			
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inves	stigation	
PROJECT MAN	PROJECT MANAGER: Mark		allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris Ro	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
AM WEATHER:	Cold		PM WEATHER:	Clear		MAX TEMP (F):	60	MIN TEMP (F):	38
		_	SUMMAF	RY OF WO	ORK PERFORMI	ED TODAY			
Continued flagg	ging transects. Att	end Weel	kly QC meeting, S	Scout loca	tion for Magazii	ne,			

#### 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 / PRODUCT	TON DEPODT

#### WORK FORCE - CONTRACTOR AND SUBCONTRACTOR Company Cumulative Total of Work **Total Hours Today** Total Work Hours From Hours From Previous Start Report 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

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

All equipment functions as intended- Pass

WORK AND OR TH	10ma + 000	AND TOTAL OF THE PROGRAMO							
	WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS erformed Work / Test for Today: Continue to flag transects at DSA 2, Site walk at DSA 1, Scout locations for magazine.								
Performed Work / Tes	st for Today:	Continue to flag transects at DSA 2, Site walk at	DSA 1, Scout locations f	or magazine					
Planned Work / Test f	or Tomorrow	v: Continue site boundary and transect flagging							
		,							
Planned Work / Test f	or Next Wee	k: Boundary and transect flagging							
CHANGED CONDI	ΓΙΟΝS/DEL	AY/CONFLICTS ENCOUNTERED (List any	conflicts with the project	t [i.e., scope	of work and/or drawing	sl. delays to the			
project attributable to	site and weat	ther conditions, etc.): Utilizing Skid Steer to clear	r transect. Areas not re						
_		equired outside services to recover skid steer fr	om location in DSA 2.						
VISITORS AND DIS	SCUSSIONS	: Weekly QC meeting							
		QUALITY CONT	ROL REPORT						
MATERIALS DELI	VERED TO	JOB SITE	<b>.</b>		1	1			
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Mar	nufacturer	Material Lot Number	Inspection Performed By			
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass							
INSPECTIONS PER	FORMED								
			med Findings						
			ity Pass						
GPS Equipme	ent	Daily/Serviceability		Pass					
Generator		Daily/ Serviceability			Pass				
Fire Extinguish	ners	Monthly			Pass				
First Aid Ki	t	Monthly			Pass				
Skid Steer	re Extinguishers Monthly First Aid Kit Monthly				Pass				
Field Vehicle	es	Daily/Weekly			Pass				
TESTS PERFORME	E <b>D</b>								
Task/Activity To	ested	Test Performed			Test Results (Pass/Fail)	- Criteria			
GPS equipme	ent	Function and accuracy tes	st		Pass				
Schonsted		QC check			Pass				
Site communication/ F	Radio	Radio Check			Pass				
				1					
QUALITY ISSUES A	AND RESOI	LUTIONS: Zero							

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

MAY 2021

			SUBMITTAL	LS INSPECTION	/ REVIE	w				
Submittal No	o. Submit Descript		Specification/Plan Refe	erence	Subn	nittal A	pprove	d?	Comment/Reaso	on/Action
NA					Yes		No			
					Yes		No			
					Yes		No			
					Yes		No			
			REGULATO	RY COMPLIANC	E REPO	RT				
PERMIT IN	SPECTIONS PI	ERFORMED: NA								
		W	ASTE ACCUMULAT	ION/STOCKPILE	AREA	INSPE	CTIO	N		
Inspection Pe	rformed By:	NA		Signature	Signature of Inspector: NA					
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA	No of Roll	f Roll-Off Boxes:		NA		No. of Drums	NA
Inspection Re	sults: NA									
			GEN	ERAL COMMEN	TS					
General Com	ments~ (rework,	directives, etc.): A	RGO inoperable. To be a	repaired by end of v	veek and	returne	ed to op	peration for	work beginning on	Monday 11/4/13.
			Α	TTACHMENTS						
			ubmittals, meeting minu a Report, Daily UXO Saf						anifests, profiles, rev	vork item list,
portions or de and last name	signate as "not a on each comple	ly in ink. Line out pplicable". Prepare ted daily report. The signed electronica	er signs first is form may	Jonathar	n Waldro	n			-	10/29/13
be filled out e	iccionicany and	angineu electrollica	ıy.	PREPAR	ER'S SIGN	ATURE				DATE

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

MAY 2021

			APPENDIX F - L	JAIL	REPURIS						
CH2M HILL W912DY-09-D-0060	CO	ONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECE ME/LOCATION: Former Raritan Arsenal – RI/F				PORT		REVISIO	OF REPORT: 10/29 ON NO: ON DATE:	/2013	
CTO NO: 003	PROJECT NAME	/LOC	ATION: Former Raritan Arse	enal –	RI/FS			REPORT	Γ NO: 005		
PROJECT NO: 427946	<u>.</u>	SU	XOS: Chris Rose			UXOSO:	Kevin L	ombardo	UXOQCS: Mike I	Malko	
AM WEATHER: Mostly Sun	ny/ cold	PM	WEATHER: Mostly Sunny / co	ool		MAX TEN	ИР: 57 °F		MIN TEMP: 42 °F		
			SUMMARY OF WORL		RFORMED TO	ODAY					
The weekly QC call was cond						6 41					
are completed. Transect mark			The ground on the remaining trait DSA 1.	isects	appears to be very	y soft we wil	l attempt to	complete thes	e areas with the Argo	after repairs	
A potential site for the relocat	tion of the explosive ma	gazine	has been located and forwarded	for app	oroval. Grid coord		0'37".111 1'10".867				
Was	A Job Safety Meetin	g Helo	1 This Date?		⊠ Yes	□ No			OURS ON JOB S ling Continuation S		
	e there any lost-time es, attach copy of compl	eted O	SHA report)		☐ Yes	⊠ No	CH2M	CH2M HILL On-Site Hours 42			
	a Confined Space En es, attach copy of each p	ntry Permit Administered This Date?			☐ Yes	⊠ No	Subcor	ntractor On-S	ite Hours	0	
Were Were			g/ Scaffold/ HV Electric/Hig	gh	☐ Yes	<del></del>	Total (	On-Site Hou	rs This Date	42	
Worl (If Ye	(If Yes, attach statement or checklist showing inspection performed)					⊠ No	Cumulative Total of Work Hours From Previous Report			204	
	Was Hazardous Material/Waste Released into the Environment?  (If Yes, attach description of incident and proposed action)						Total Work Hours From Start of Construction 246				
SAFETY ACTIONS TA taken, and results of safe			NSPECTIONS CONDUCT Daily safety briefing.	ΓED (	Include safety	violations,	correctiv	e instruction	s given, corrective	actions	
	-	-									
DESCRIPTION OF EQUIPMENT/MATERIAL  MAKE/MODEL/ RECEIVED  MANUFACTURER  MAKE/MODEL/ MANUFACTURER  EQUIPMENT/LOT INSPECTION NUMBER/VOLUME/ PERFORMED BY WEIGHT											
EQUIPMENT USED ON JO	OB SITE TODAY.		I						I.		
EQUIPMENT DES	CRIDTION	EO	UIPMENT MAKE/MODEL	e,	AFETY CHECK I	DEDECDME	D DV	N	UMBER OF HOURS		
EQUIPMENT DES	CRIPTION	EQ	OIPMENT MAKE/MODEL	3/	AFELL CHECK	PERFORME	ומט	USED	IDLE	REPAIR	
GPS			Trimble Geo XH		Chris	Rose		1	9		
Utility Vehi	icle		Argo		Chris	Rose		0	10	10	
GPS			Trimble Geo XH		Mike N	Malko		10	0		
Pick-up Tru			Dodge Ram 1500		Jonathan '			10	0		
Pick-up tru	ck		Chevrolet Silverado		Noah W			10	0		
SUV			Ford Edge		Chris Jonathan			10	0		
Office Trai	ler		ModSpace		Jonathan Jonathan			10	0		
Generato			Ingersol Rand		Chris			10	0		
Portable to			Satellite Industries		Chris			10	0		
Portable to			Satellite Industries		Jonathan '			10	0		
Skid stee	r		Takeuchi		Jonathan '			10	0		
Trailer			Tow Master					10	0		
project attributable to site of	and weather condition	ns, etc	OUNTERED (List any confli c.): Area18 D requires addit tts has been forwarded to Ta	ional	transects to en	sure the su	spected t	rench area w	ill be covered duri	ng the	
VISITORS TO THE SITE:											
LIST OF ATTACHMENTS	OSHA report, confi	ied spo	ace entry permit, incident re	ports,	, etc.):						

CH2M HILL
W912DY-09-D-0060

CONTRACTOR PRODUCTION REPORT

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(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		R	REPORT NO: 005		
	WORK P	ERFORMED TOI	DAY	ı.			
EMPLOYEE	WORK PERFORMED		EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS	
Chris Rose	Transect Marking		CH2M HILL		SUXOS	10.5	
Mike Malko	Transect Marking		CH2M HILL		UXOQCS	10.5	
Jonathan Waldron	Transect Marking		CH2M HILL		SSHO	10.5	
Kevin Lombardo	Transect Marking		CH2M HILL		UXOSO	10	
	INCLUDE ALL PERSONNEL WORK H	OURS IN THE TOTA	AL WORK HOURS	ON JOB SITE			
SAFETY REQU	UIREMENTS HAVE BEEN MET		hris Ros	-	10/29/13		
		SUPERIN	TENDENT'S SIGN	NATURE	DATE		

MAY 2021

#### 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

- 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.

F-70

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

MAY 2021

Project. RI/FS Former Raritan Arsenal				Date: 10/29/	2013	
					-	
LOCATION (	OF WORK: Area	12, DSA #2				
	ı	Mobilization and	Site Setup			
DESCRIPTION OF WORK: Land Survey (Boundary/Transect Stake Establishment)						
WEATHER:	⊠(CLEAR)	□(FOG)	□(P.CLOUDY)	□(RAIN)	$\square$ (WINDY)	
TEMPERATI	—·	MIN: <u>39</u> °F		` / MAX: 55 °F	_,	
		<u>55</u>		<u>5 </u>		
Work completed today by subcontractor:						
Dredge Spoil Area 2 transect layout and marking						
2. Work completed today by QC inspection staff:						
Follow on Ins	spection DFOW La	nd Survey (Bou	ndary/Transect Sta	ke Establishme	ent)	
			OE QA Dorothy Ric			
			Callaghan CH2M		nager Nelson	
Dave Nelson CH2M Atlanta, Kevin Lombardo CH2M Hill Operations Manager						
3. All work pe	erformed in conform	nance with Work	R 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°	<sup>°</sup> 23' 39.792N 74° 1	19' 43.159W and	d 40° 29' 45.019N	74° 19' 38.895	W.	
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.

Muchala Melkon

Project QC Specialist

#### F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

Kevin Lombardo

Jonathan Waldron

(ATTACH ADDITIONAL SHEETS IF NECESSARY)						
Date: 10-29-2013						
Contractor: CH2M Hill						
roject: 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						
Land Curvey (Boundary/Transact Stake Ed	etablishment) Dradge Speil Area 2					
Land Survey (Boundary/Transect Stake Es Chris Rose	stabilistiffierit) Dreuge Spoil Afea 2.					
Michael Malko						

CONTRACTOR OUALITY CONTROL DAILY REPORT CONTINUATION SHEET

#### 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

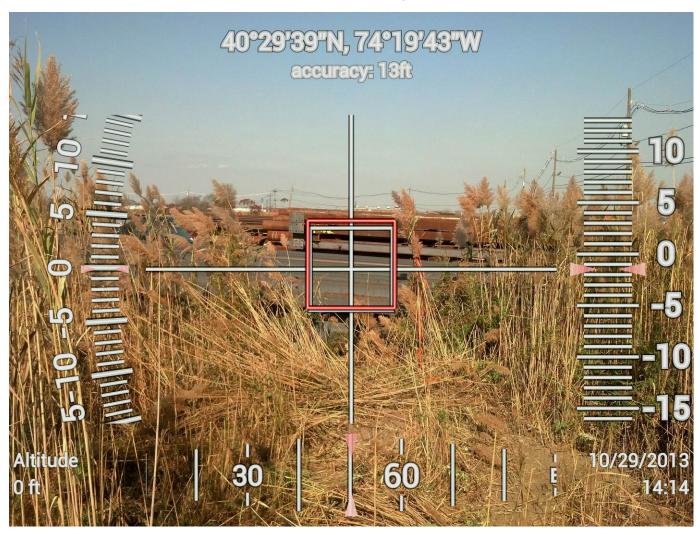
A portion of transect TDSA2-1 is occupied by a tenant of the Federal Business center and will need to be relocated. Large steel stock is stacked in the transect between

Lat Long 40° 23' 39.792N 74° 19' 43.159W and 40° 29' 45.019N 74° 19' 38.895W.

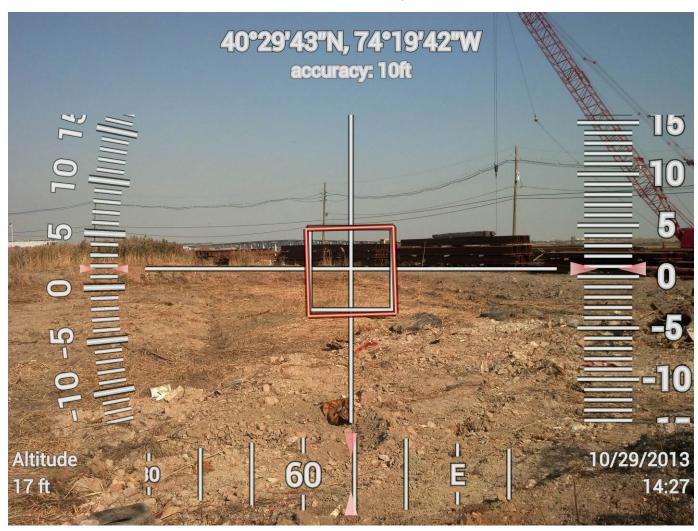
See Attached Photos

Muchala Mulla 10-29-2013

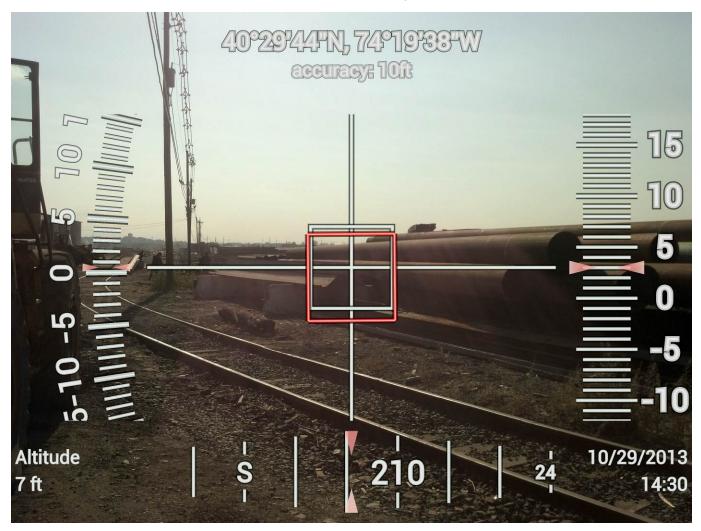
Project QC Specialist Date



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



Profile view of Transect DSA2-1



Standing on point TDSA 2-1B looking SouthWest.

HSSE Target ZCTO
World-Class Performance

# CH2MHILL

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

ervisor: C.Rose J.L. ivity: Trasect Flogue	Site prep	
endees: Print Na	me , l	Sign Mathe 11/1
Jonathal	Jalora	C. Jell
MAN	PALKO	mante
Chris Ros	e	Charle
·		
t Tasks and verify that applica	ble AHAs have been reviewed:	
The emperation t	Elen trassects. Trave	to ad frum site
of delayer !	they truscuts, Trave	
ools/Equipment Required for T	Tasks (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy equipmer
		ion, cranes/rigging, heavy equipmer
ower tools): Howl tools, GPS,	Skdsteer	
ower tools):  How Hools, GPS,  Potential H&S Hazards, including	Skdsteer	ion, cranes/rigging, heavy equipmer
ower tools):  How Has Is, GPS,  Potential H&S Hazards, including apply):	Skd steer	cal and environmental (check all that
ower tools):  Haz Has Is, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact	Skd steer  ing chemical, physical, safety, biologic Trench, excavations, cave-ins	cal and environmental (check all that
ower tools):  How Has Is, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  K Pressurized lines/equipment	g chemical, physical, safety, biologic Trench, excavations, cave-insOverexertion	cal and environmental (check all that  Ergonomics  Chemical splash
ower tools):  Have facts, GPS;  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment Thermal burns	Trench, excavations, cave-insYOverexertionPinch points	cal and environmental (check all that  ## Ergonomics  Chemical splash  ## Poisonous plants/insects
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  K Pressurized lines/equipment Thermal burns Electrical	Skd steer  In g chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash ∠ Poisonous plants/insects  ∑ Eye hazards/flying projectile
ower tools):  How Laols, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical  Weather conditions	Skd Steer  In g chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical physi	# Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  K Pressurized lines/equipment Thermal burns Electrical	Sk.d. s feec  In g chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards	## Ergonomics  — Chemical splash  ## Poisonous plants/insects  ## Eye hazards/flying projectile  ## Heat/cold stress
ower tools):  How Laols, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical  Weather conditions	Skd Steer  Ing chemical, physical, safety, biological principles of the safety principles of the	# Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Water/drowning hazard
ower tools):  Have facts, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  K Pressurized lines/equipment Thermal burns Electrical  Weather conditions Heights/fall > 6 feet	Sk.d. S feec  Ing chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment
ower tools):  How How Is, GPS  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical  Weather conditions Heights/fall > 6 feet	Skd Steer  Ing chemical, physical, safety, biological principles of the safety principles of the	Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical  Weather conditions Heights/fall > 6 feet  Noise Explosion/fire	Sk.d. S feec  Ing chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Skd Steer  Ing chemical, physical, safety, biological principles of the safety principles of the	Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Sk.d. S feec  In g chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
ower tools):  How Hools, GPS,  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Sk.d. S feec  In g chemical, physical, safety, biological  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition

Hazard Control Measure	s (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
⊀ Thermal/lined	Sloping	★ Fire extinguishers	Lockout/tagout
¥ Eye	Shoring	Fire watch	X Grounded
> Dermal/hand	Trench box	Non-spark tools	X Panels covered
★ Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	→ Competent person	✓ Intrinsically safe equipment	Power tools/cord inspected
X Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	X Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	X Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	XBackup alarms	Flash-back arrestors
Guardrain system Covered opening	Personnel sampling	XHand/power tools	No cylinders in CSE
— Covered opening Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Fixed barricades Warning system	No visible dust	Proper rigging	Appropriate goggles
— watting system	Other	★Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	★ Liquids available	Flags
Permit completed	A Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	<u>X</u> Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	_KHeavy equipment	<u> </u>
Demolition	Hazmat present	Drill rigs/geoprobe rigs	_XFA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	_ <b>X</b> Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	¥ Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	Xapplicable for this day's work	
As-builts reviewed	∠Client notification	Communication and incident pro	ocesses included?
Client review	≥24 hour notification setup		
soft locate necessary?	✓ Clear communications		
Field Notes lincluding	observations from prior day,	etc.):	
Sky steer	CiReatins in Wat	er Soft orea	
- OFKI RIEGI	Ancrelia in Com	100	

Name (Print): Josepha Waldra
Signature:

Date: 0/29/13

СН2	MHILL		
CONTRACT NA	ME:	Former	Rarit
CONTRACT NU	MBER:	W912D	Y-09
REVISION NUM	IBER:	1	
TASK ORDER N	NUMBER:	003	
PROJECT NUM	BER:	427946	
PROJECT MAN	AGER:	Mark Callagl	
Senior UXO Sup	ervisor:	Chris R	ose
AM WEATHER:	Cold		PM WI
Performed radio	ging transects in E o checks throughouttached Production	ut all wo	rk aı
Corrective Action	ONS TAKEN TOD ns Taken, and Resul- ent. SBO for skid	s of Safet	y Ins

# **CH2M HILL DAILY REPORT**

CONTRACT NA	ME:	Former	Former Raritan Arsenal				006		
CONTRACT NU	MBER:	W912DY-09-D-0060			REPORT DATE	l:	10/30/13		
REVISION NUM	IBER:	1			REVISION DAT	ГЕ:	10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ		NJ
PROJECT NUM	BER:	427946			PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MAN	IAGER:	Mark Ca	ıllaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron		
AM WEATHER:	Cold		PM Clear WEATHER:			MAX TEMP (F):	60	MIN TEMP (F):	38

#### SUMMARY OF WORK PERFORMED TODAY

A 2. Confirm location of Magazine on E.P.A. facility. Team meetings with client and customers. as including DSA 5, Sayerville, NJ.

OC report for specifics.

#### HEALTH AND SAFETY REPORT

NSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, ections Conducted: No violations observed. Daily inspections completed on generator, vehicles and ıs.

ety vests, 2-way radio communication, Safe equipment operations, Run through equipment es 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	

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

MAY 2021

<b>COMMENTS</b> (acceptance status, inspection findings, etc.): Skid steer overheating during long operation periods. Clean off radiator and inspect fluids. Will monitor for overheating.						
All equipment fund	ctions as in	tended- Monitor overheating issues with ski	d steer.			
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN PROGRESS				
Performed Work / Tes	st for Today:	Continue to flag transects at DSA 2, Site walk at DSA	A 1, Scout locations fo	or magazine.		
Planned Work / Test f	or Tomorrow	v: Continue site boundary and transect flagging				
Planned Work / Test f	or Next Wee	k: Boundary and transect flagging				
project attributable to Utilizing Skid Stee up to 4'-5' thick in Management Tean Transects in wet at	site and wear r to clear to some place n. reas not ab in Area 12	AAY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): ransect. Areas not readily accessible or grou es. Increased concern and potential delays in the to be safely accessed will be relocated to d - shown on figures but not on GPS / Shape f	nd very soft. Thick a vegetation reduct rier lands surfaces	alayers of ion and clo	vegetation on top of earance. Will discus mented per Project	ground surface, s with Project Manager.
VISITORS AND DIS	SCUSSIONS	S: See attached QC and Production Report for det		iscussions a	nd meeting held.	
		QUALITY CONTRO	L REPORT			
MATERIALS DELI	VERED TO	JOB SITE	1		T	T
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				
Task/Activity Ins		Inspection Performed			Findings	
Schonsted inspe		Daily/Serviceability			Pass	
GPS Equipme		Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguish	ners	Monthly			Pass	
First Aid Ki	t	Monthly			Pass	
Skid Steer		Daily/Weekly			Pass	
Field Vehicle	es	Daily/Weekly			Pass	
TESTS PERFORME	TESTS PERFORMED					
Task/Activity To	ested	Test Performed		,	Test Results (Pass/Fail)	- Criteria
GPS equipme	ent	Function and accuracy test			Pass	
Schonsted		QC check			Pass	
Site communication/ Radio Radio Check Pass						

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

MAY 2021

QUALITY ISSU	JES AND RE	SOLU	ΓΙΟΝS: Ski	id steer overh	eating. Cleaned	off radiator	, inspec	ted flui	ds and	will n	nonito	r status.	
				SUB	BMITTALS INS	SPECTION /	REVIE	W					
Submittal No.	Submitt Descript			Specification	Plan Reference		Subn	nittal A <sub>l</sub>	pprove	d?		Comment/Reaso	n/Action
NA							Yes		No				
							Yes		No				
							Yes		No				
							Yes		No				
										·			
				REG	ULATORY CO	MPLIANC	E REPO	RT					
PERMIT INSPE	ECTIONS PI	ERFOR	MED: NA										
			W	ASTE ACCU	MULATION/S'	TOCKPILE	AREA	INSPE	CTIO	N			
Inspection Perfor	med By:	NA				Signature of	of Inspec	tor:	NA				
Accumulation / Stockpile Area In	spected:	NA											
No of No Containers:	A	No of	Tanks	NA		No of Roll	-Off Box	es:	NA			No. of Drums	NA
Inspection Result	s: NA												
					GENERAL	COMMEN	TS						
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.													
					ATTAC	CHMENTS							
List of Attachmer RFIs, DCNs, pho												ifests, profiles, rew ched	ork item list,
NOTE: Write all portions or design and last name on be filled out elect	nate as "not age each complet	pplicabled daily	e". Prepare report. Th	r signs first is form may		Jonathan	Waldro	n				1	0/30/13
be inica out elect	romeany and	signed (	ciccuonical	ıy.		PREPARI	R'S SIGN	ATURE					DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-80

	•			-,						
CH2M HILL	COL	VTE	RACTOR PRODU	CT	ION REP	ORT			OF REPORT: 10/30/	/2013
W912DY-09-D-0060		(ATTACH ADDITIONAL SHEETS IF NE						REVISI	ON NO: ON DATE:	
CTO NO: 003	PROJECT NAME	PROJECT NAME/LOCATION: Former Raritan Arsenal –							T NO: 006	
PROJECT NO: 427946	1	1	XOS: Chris Rose	ciiai –	- KI/15	UXOSO: Kevin Lor			UXOQCS: Mike N	Malko
AM WEATHER: Partly clou		1	WEATHER: Partly cloudy / co	o1		MAX TEN		ilibardo	MIN TEMP: 40 °F	viaiko
AW WEATHER, I altry clot	uy/ 0001	1 101	SUMMARY OF WORL		DEODMED TO		11.01		WIIIV TEWIT. 40 T	
			SUMMART OF WORL	XIL	KI OKWED I	JDAI				
Mark Callaghan, PM, arrived	on site for meetings with	h the U	JSACE and the local public							
Approximately 45% of DSA areas will continue tomorrow		rked. A	Areas of DSA 1 are soft and the	skid st	eer was stuck for a	approximatel	y 2 hours. C	Continuation	of transect marking in	accessible
DSA 1 & 2. It was agreed that	nt no DGM will be condu	cted or	Huntsville and Kevin Lombardo 1 n the FEDEX parking lot in DSA so arrangements can be made for	1 and	I the area will be n					
The potential site on EPA pro	operty for the relocation of	of the e	explosive magazine was approve	d by K	Wong Cho of the l	EPA				
Minimum Quantity distances	for the proposed explosi	vec me	agazine location were confirmed.	•						
, ,										
George Efinger, New Jersey	DEP Section Forest Fires	warden	, stopped by to introduce himsel	f and c	check on the opera	tion.				
Was	A Job Safety Meeting	g Helo	1 This Date?		⊠ Yes	□ No	-		IOURS ON JOB Siding Continuation Si	
, , ,	e there any lost-time a es, attach copy of comple	eted OS	SHA report)		☐ Yes	⊠ No	СН2М І	HILL On-Si	te Hours	45
SAFETY Mas (If Y West Wood)	a Confined Space En es, attach copy of each pe	try Pe ermit)	ermit Administered This Date	e?	☐ Yes	⊠ No	Subcont	ractor On-S	Site Hours	0
Wer			g/ Scaffold/ HV Electric/Hig	gh		<b>-</b>	Total On-Site Hours This Date			45
Wor (If Y	k/ HAZMAT Work D es, attach statement or ch		showing inspection performed)					umulative Total of Work Hours om Previous Report 246		
	Hazardous Material/ves, attach description of i		Released into the Environm	ent?	☐ Yes	⊠ No	Total Work Hours From Start of Construction 291			291
			NSPECTIONS CONDUCT Daily safety briefing; equipmen					instruction	ıs given, corrective	actions
, ,				it mspe	etions, communi	cations ence	X III D3A 3.			
DESCRIPTION OF EQ	UIPMENT/MATERIAL		MAKE/ MODEL/		EQUIPMEN			PECTION	NUMBER/ V	
RECI	EIVED		MANUFACTURER		NUMBI	EK	PERF	ORMED BY	WEIGI	
EQUIDMENT LICED ON I	OR CUTE TODAY									
EQUIPMENT USED ON J	OB SITE TODAY.							1	NUMBER OF HOURS	
EQUIPMENT DES	SCRIPTION	EQ	UIPMENT MAKE/MODEL	SA	AFETY CHECK P	PERFORME	D BY	USED	IDLE	REPAIR
GPS			Trimble Geo XH		Chris I	Rose		1	9	
Utility Veh	icle		Argo		Chris I	Rose		0	10	10
GPS			Trimble Geo XH		Mike M	1alko		10	0	
Pick-up Tr	uck		Dodge Ram 1500		Jonathan V	Waldron		10	0	
Pick-up tr	ıck		Chevrolet Silverado		Noah We	einberg		10	0	
SUV			Ford Edge		Chris I			10	0	
Office Tra	iler		ModSpace		Jonathan V			10	0	
Generate	or		Ingersol Rand		Jonathan V			10	10	
Portable to	ilet		Satellite Industries		Chris I			10	0	
Portable to	ilet		Satellite Industries		Chris I			10	0	
Skid stee	er		Takeuchi		Jonathan V			10	10	
Trailer			Tow Master		Jonathan V			10	10	
project attributable to site	and weather condition	ns, etc	OUNTERED (List any confli c.): Area18 D requires addit cts has been forwarded to Ta	ional	transects to ens	sure the su	spected tre	nch area w	vill be covered duri	ig the
			ets has been forwarded to Ta York; Brett Frazier: USACE Hun							
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):										

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECESS	DATE OF REPORT: 10/30/20 REVISION NO: REVISION DATE:	13		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS	REPORT NO: 006			
	WORK PERFORMED TO	DDAY			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYER NUMBER		HRS
Chris Rose	Transect Marking	CH2M HILL		SUXOS	10.5
Mike Malko	Transect Marking	CH2M HILL		UXOQCS	10.5
Jonathan Waldron	Transect Marking	CH2M HILL		SSHO	10.5
Kevin Lombardo	Transect Marking	CH2M HILL		UXOSO	10
Mark Callaghan	USACE meetings	CH2M HILL		PM	3
	INCLUDE ALL PERSONNEL WORK HOURS IN THE TO:	TAL WORK HOURS	ON JOB SITE		
SAFETY REQUI	IREMENTS HAVE BEEN MET	his Ros		10/30/13	
	SUPER	INTENDENT'S SIGN	IATURE	DATE	

## 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.

 $\label{thm:contact} \textbf{TRAFFIC SAFETY} \textbf{-} \ \textbf{Maintain eye-contact with oncoming traffic, always think an escape route.}$ 

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

- 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

#### Causes

- Road traffic accidents
- · Accidents at work or home
- 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 <u>Cardio Pulmonary Resuscitation (CPR)</u>
- 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.

Project.	pject. RI/FS Former Raritan Arsenal Date: 10/30/2013					
LOCATION C	OF WORK: DSA #	‡1 DSA #2				
	N	lobilization and	Site Setup			
DESCRIPTION	ON OF WORK: L	and Survey (Bo	oundary/Transect S	take Establishr	ment)	
WEATHER:	$\boxtimes$ (CLEAR)	□(FOG)	$\square$ (P.CLOUDY)	$\square$ (RAIN)	$\square$ (WINDY)	
TEMPERATU	JRE:	MIN: 47 °F		MAX: 61 °F	,	
1. Work com	npleted today by sub	contractor:				
	Area 1 and 2 transe		marking			
.Performed ra	adio communication	check from DS	SA 6 to Office trailer	(EPA Compou	und)	
	s to gates to insure				- /	
2. Work com	npleted today by QC	inspection sta	ff:			
	pection DFOW Lan	•		ke Establishme	ent)	
	th NY District/Hunts				•	
	nter to coordinate ac					
Mark Callagh	an CH2M Hill Proje	ct Manager vis	ited the site.			
George Effing	ger Fire Warden with	n New Jersey F	orest Service visite	d the site		
		-				
3 All work ne	erformed in conforma	ance with Work	c Plan requirements	? Yes		
If not, explain		and with won	CT lair requirementa	. 100		
π ποι, οχριαπ	·					
4. Non-confo	rmances/deficiencie	s reported:				
None		<u> </u>				
5. Comments						
J. Comments	<b>).</b>					
		CERTIFICATION	ON: I certify that the a	bove report is co	omplete and	
		correct and tha	at I, or my representat	ive, have inspec	ted all work	
			is report and have de			
			d belief that noted wor s and specifications, e			
		above.	_		5 .10t0u	
		Can I	Jam	16		
		'/ beh	as u ve			

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	
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 E	stablishment) Dredge Spoil Area #1 and #2.
Michael Malko	
Kevin Lombardo	
Jonathon Waldron	
INSPECTIONS PERFORMED & WHO PERFO	RMED TEST
Transect layout continued in DSA #1 and #2. compliance with Work Plan APP and SOPS. T	UXOQC Monitored work practice and procedures to insure ransect locations were verified by GPS
Michala Milka	10-30-2013
Project OC Specialist	Date

HSSE Target Zero

World-Class Performance

# CH2MHILL

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

activity: Trased Flags	ing-Site Prep	
Attendees: Print Na Ona Chas Mic Kevin	Hose MALL,	Sign Name  Sign Name  Starte Room  And
Tools/Equipment Required for power tools):		tion, cranes/rigging, heavy equipment,
Potential H&S Hazards, includir apply):		cal and environmental (check all that
apply):		cal and environmental (check all that
apply):Chemical burns/contact	ng chemical, physical, safety, biologi	
apply):Chemical burns/contactPressurized lines/equipment	ng chemical, physical, safety, biological graphs and a second control of the cont	∡ Ergonomics
apply): Chemical_burns/contact  X Pressurized lines/equipment  X Thermal burns	Trench, excavations, cave-ins	
apply): Chemical burns/contact  Yeressurized lines/equipment  Thermal burns  Electrical	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins	<ul><li>★ Ergonomics</li><li>_ Chemical splash</li><li>★ Poisonous plants/insects</li></ul>
apply): Chemical burns/contact  Yeressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-insXOverexertionX Pinch pointsX Cuts/abrasions	<ul> <li>★ Ergonomics</li> <li>Chemical splash</li> <li>★Poisonous plants/insects</li> <li>★Eye hazards/flying projectile</li> </ul>
apply): Chemical burns/contact  Yeressurized lines/equipment  Thermal burns  Electrical  Weather conditions Heights/fall > 6 feet	Trench, excavations, cave-insXOverexertion _X Pinch points _X Cuts/abrasions	
apply): Chemical burns/contact  X Pressurized lines/equipment  XThermal burns  Electrical  Weather conditions	Trench, excavations, cave-ins Xoverexertion Yinch points Cuts/abrasions Spills Overhead Electrical hazards	<ul> <li>✓ Ergonomics</li> <li>Chemical splash</li> <li>✓ Poisonous plants/insects</li> <li>✓ Eye hazards/flying projectile</li> <li>✓ Inhalation hazard</li> <li>✓ Heat/cold stress</li> </ul>
apply): Chemical burns/contact  X Pressurized lines/equipment  X Thermal burns  X Electrical  Weather conditions Heights/fall > 6 feet Noise	Trench, excavations, cave-insYoverexertionX Pinch pointsX Cuts/abrasionsSpillsOverhead Electrical hazardsXElevated loads	
apply): Chemical burns/contact  Yeressurized lines/equipment  Yethermal burns  Electrical  Weather conditions  _ Heights/fall > 6 feet  _ Noise  Yexplosion/fire  _ Radiation	Trench, excavations, cave-ins Xoverexertion X Pinch points Cuts/abrasions Spills Overhead Electrical hazards X Elevated loads X Slips, trip and falls	<ul> <li>✓ Ergonomics</li> <li>Chemical splash</li> <li>✓ Poisonous plants/insects</li> <li>✓ Eye hazards/flying projectile</li> <li>✓ Inhalation hazard</li> <li>✓ Heat/cold stress</li> <li>✓ Water/drowning hazard</li> <li>✓ Heavy equipment</li> </ul>
apply): Chemical burns/contact  X Pressurized lines/equipment  XThermal burns  Electrical  Weather conditions Heights/fall > 6 feet Noise  Y Explosion/fire	Trench, excavations, cave-ins Xoverexertion Pinch points Spills Overhead Electrical hazards Xelevated loads Xelevated loads Xelevated lifting Welding/cutting Security	★ Ergonomics      Chemical splash      ★ Poisonous plants/insects      ★ Eye hazards/flying projectile      ★ Inhalation hazard      ★ Heat/cold stress      ★ Water/drowning hazard      ★ Heavy equipment      Aerial lifts/platforms

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Protective Systems Sloping Shoring Trench box	Fire Protection  Fire extinguishers  Fire watch	Electrical  Lockout/tagout
Shoring Trench box		
Trench box	Fire watch	
		X Grounded
Di andos	Non-spark tools	Panels covered
Barricades		GFCI/extension cords
★ Competent person  Output  Description  Outp		$\frac{\chi}{\text{Power tools/cord inspected}}$
Locate buried utilities		Overhead line clearance
➤ Daily inspections		Underground utils ID'd
Entry Permits/notification		
Air Monitoring	Proper Equipment	Welding & Cutting
PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
	Forklift/heavy equipment	Cylinders separated/upright
	∠ Backup alarms	Flash-back arrestors
	✓ Hand/power tools	No cylinders in CSE
	Crane with current inspection	Flame retardant clothing
	Proper rigging	Appropriate goggles
ROPER STATE OF THE PROPERTY OF	XOperator qualified	
		Vehicle/Traffic
✓ First-aid kit	Work/rest regime	Traffic control
Eye wash	Rest area	Barricades
$\frac{X}{FA}$ FA-CPR trained personnel	∠ Liquids available	Flags
XRoute to hospital	Monitoring	Signs
	Training	
E TOTAL SALES CONTRACTOR	A STATE OF THE STA	Training:
		X Hazwaste (current)
		Construction
		∠ Competent person ∠
Competent person	105-3-7-211	
Hazmat present	The state of the s	∠FA/CPR
	Cranes and rigging	Confined Space
	Utilities marked	<u></u> ∠Hazcom
Incident Communications	AHA's	
	× reviewed and approved by HSM	
7. The state of th		
		ocesses included?
		9000 1000 TO 100
observations from prior day, e	etc.): O(URSS	
	Medical/ER  — Pre-demolition  — Pre-demolition  — Pre-demolition  — Pre-demolition  — Pre-demolition  — Pre-demolition  — Isolate area/utilities  — Competent person  — Hazmat present  — Mork stops until cleared by TM/CM  — Immediate calls to TM/CM  — Clear communications  — Servations from prior day, experience in the store in	Monitoring PID/FID Detector tubes Radiation Personnel sampling LEL/O2 No visible dust Other  Medical/ER First-aid kit Fey wash FA-CPR trained personnel Route to hospital  Demolition Pre-demolition survey Structure condition Isolate area/utilities Competent person Hazmat present  Incident Communications  Medicals to TM/CM Y Client notification setup Clear communications  Manitoring Training  Proper Equipment Aerial lift/ladders/scaffolds Forklift/heavy equipment Aerial lift/ladders/scaffolds Forklift/heavy equipment Aerial lift/ladders/scaffolds Forklift/heavy equipment What current inspection Proper rigging Operator qualified  Heat/Cold Stress Work/rest regime Rest area Liquids available Monitoring Training  Inspections: Ladders/aerial lifts Lanyards/harness Scaffolds Heavy equipment Drill rigs/geoprobe rigs Cranes and rigging Utilities marked  AHA's Yerviewed and approved by HSM Yon site and current Applicable for this day's work Communication and incident proposed sources

Name (Print): Jorathy Wakka

Date: 18/38/13

# CH2IVIHILL

Safe Behavior Observation Form								
Project Number: 427946		Client	Program: USPCE CCI ZINC					
Project Name: Former Rend	KN	Obser	ver: 5. Walkon Date: 0/30/13					
Position/Title of worker observed:  Task/Observation  Arsecal Background Information/ comments:  Task/Observation  Task/Observation								
Observed:			1					
<ul> <li>Identify and reinforce safe work practices/behaviors</li> <li>Identify and improve on at-risk practices/acts</li> <li>Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards</li> <li>Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?)</li> <li>Positive, corrective, cooperative, collaborative feedback/recommendations</li> </ul>								
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  Grand 1 check Dag ( to ) se					
Properly trained/qualified/experienced	X	X Sorty dono infield						
Tools/equipment available and adequate	X	1	·					
Proper use of tools	X		Questionable Activity/Unsafe Condition Observed:					
Barricades/work zone control	X		trea is wet and tracked egupone					
Housekeeping	X		tends has tendency to get stick					
Communication	×		iamud					
Work Approach/Habits	×							
Attitude	X							
Focus/attentiveness	7		Observer's Corrective Actions/Comments:					
Pace	٨		Cleck Greas Prior to operating					
Uncomfortable/unsafe position	×		Neary Egipment					
Inconvenient/unsafe location		X	( C + · · ·					
Position/Line of fire	x							
Apparel (hair, loose clothing, jewelry)	×							
Repetitive motion	×		Observed Worker's Corrective Actions/Comments:					
Other								

For WST ES staff please email completed forms to <a href="mailto:CH2MHILL WST ES Safe Behavior Observations">CH2MHILL WST ES Safe Behavior Observations</a> - (WSTESSBO@ch2m.com)

For CNR ES staff please email completed forms to <a href="mailto:cnressafe@ch2m.com">cnressafe@ch2m.com</a>

			AP	PENDIX F	- DAILY REPOF	RTS			
O CH2	2MHILL			CH2M					
			DA	AILY R	EPORT				
CONTRACT NA	AME:	Former	Raritan Arsenal		REPORT NO:		007		
CONTRACT N	UMBER:	W912D	Y-09-D-0060		REPORT DATE	Ξ:	10/31/13		
REVISION NUM	MBER:	1			REVISION DA	TE:	10/30/13		
TASK ORDER	NUMBER:	003			PROJECT NAM	ME / LOCATION:	Former Raritar	n Arsenal, Edison,	NJ
PROJECT NUM	IBER:	427946			PROJECT DES	CRIPTION:	Remedial Inve	stigation	
PROJECT MAN	NAGER:	Mark Ca	ıllaghan		UXO QUALITY	Y MANAGER:	Mike Malko		
Senior UXO Sup	pervisor:				SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron		
AM WEATHER:	cool		PM WEATHER:		vercast, light vy rain tonight.	MAX TEMP (F):	64	MIN TEMP (F):	45
			SUMMAI	RY OF WO	ORK PERFORM	ED TODAY			
Continued flag	ging transects in	DSA 1 and	l Area 12						
			HE	CALTH AN	D SAFETY REP	ORT			
	ons Taken, and Resu					Observations, Safety rved. Daily inspec			
	TAILGATE TOPICS: Hydration, pinch points, pressurized lines, wet working conditions, slips trips and falls, equipment refueling, safe operation distances.							ng, safe	
SAFE BEHAVI	SAFE BEHAVIOR OBSERVATIONS: None for today-1 per week completed on 10-30-13.								
			OPER	ATIONS / I	PRODUCTION I	REPORT			
WORK FORCE	a compagn	D 137D GY	D CONTRA CTOI						

Company	Cumulative	Total of Work	Total Hours Today	Total Work Hours From
		m Previous port	·	Start
CH2M HILL	30	54*	60	
		ded for work d 10-27 2013		
EQUIPMENT ON HAND	<u>'</u>	<u> </u>		1
Description of Equipment	Make/Model/Manufacturer	Fauinment ID N	umbar I	nspection Performed Ry

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 (acceptinspect fluids. Will mo		s, inspection findings, etc.): Same as 10-30-13 Skid serheating.	steer overheating during	ng long oper	ation periods. Clean off	radiator and				
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										
		Continue to flag transects at DSA 1 and Area 12								
Planned Work / Test for	or Tomorrow	v: Continue site boundary and transect flagging								
Planned Work / Test f	Planned Work / Test for Next Week: Boundary and transect flagging, Aquatic DGM, Vegetation clearance.									
		LAY/CONFLICTS ENCOUNTERED (List any con	flicts with the project	[i.e., scope	of work and/or drawings	s], delays to the				
Utilizing Skid Stee up to 4'-5' thick in Management Team	r to clear t some plac n.	ther conditions, etc.): same as 10-30-13 ransect. Areas not readily accessible or grounders. Increased concern and potential delays in	vegetation reduct	ion and cl	earance. Will discus	s with Project				
Transects in wet a	reas not ab	le to be safely accessed will be relocated to de	rier lands surfaces	and docu	mented per Project	Manager.				
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.					
		QUALITY CONTRO	L REPORT							
MATERIALS DELI	VERED TO									
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer Material La Number			Inspection Performed By				
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass								
INSPECTIONS PER	FORMED									
Task/Activity Ins	pected	Inspection Performed		Findings						
Schonsted inspe	ction	Daily/Serviceability		Pass						
GPS Equipme	ent	Daily/Serviceability			Pass					
Generator		Daily/ Serviceability			Pass					
Fire Extinguish		Monthly			Pass					
First Aid Ki		Monthly			Pass					
Skid Steer Field Vehicle		Daily/Weekly Daily/Weekly			Pass Pass					
Tield Vellicit	25	Daily/ Weekly			1 ass					
TESTS PERFORME	'D									
Task/Activity To		Test Performed		,	Test Results (Pass/Fail)	- Criteria				
GPS equipme		Function and accuracy test			Pass					
Schonsted		QC check			Pass					
Site communication/ F	Radio	Radio Check			Pass					

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QUALITY I	SSUES AND RE	ESOLUTIONS: SI	id steer overh	eating. Cleaned	off radiator	, inspec	ted flui	ids and	will monit	or status.	
			STIE	MITTALS INC	PECTION /	DEVII	T XX/				
Submittal No. Submittal Specification/Plan Reference Submittal Approved? Comment/Reason/Action						on/Action					
Submittan IV	Descript		Specification	71 Ian Reference		Suoi	inuai A	фргосс	u.	Comment Reas	on/Action
NA						Yes		No			
						Yes		No			
						Yes		No			
						Yes		No			
	L	<u> </u>			L				l .		
			REG	ULATORY CO	MPLIANCI	E REPO	ORT				
PERMIT IN	SPECTIONS PI	ERFORMED: NA									
		v	ASTE ACCU	MULATION/ST	FOCKPILE	AREA	INSPF	CTIO	N		
Inspection Pe	rformed By:	NA			Signature o			NA			
Accumulation Stockpile Are		NA				<u>-</u>					
No of Containers:	NA	No of Tanks	NA		No of Roll-	Off Bo	xes:	NA		No. of Drums	NA
Inspection Re	esults: NA										_
				GENERAL							
		directives, etc.): A on EPA property an			•					work beginning on locaitons per PM.	Monday 11/4/13.
										F	
				ATTAC	CHMENTS						
				ting minutes, safe	ety meeting r					anifests, profiles, rev	work item list,
RFIs, DCNs,	photographs, etc	.): Daily Production	Report, Daily	UXO Safety Bri	ef, Daily PTS	SP, and	Daily Q	C Rep	ort.		
		ly in ink. Line out pplicable". Prepare			Jonathan	Waldro	n			:	10/31/13
and last name	on each complet	ed daily report. Th	is form may								
be filled out e	electronically and	signed electronica	шу.		PREPARE	R'S SIGN	IATURE				DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-92

CH2M HILI W912DY-09-D-00		CONTRACTOR PRODUCTION I						REVISIO	F REPORT: 10/3 N NO: N DATE:	31/2013
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS						REPORT	NO: 007	
PROJECT NO: 42	27946	,	SU	XOS: Chris Rose		UXOSO:	Mike Ma	alko	UXOQCS: Mike	e Malko
AM WEATHER: Clou	ıdy/ cool		PM	WEATHER: Cloudy, occasiona	al light rain / warm	MAX TEN	MP: 68 °F		MIN TEMP: 58°	'F
				SUMMARY OF WORL	K PERFORMED T	ODAY				
Transect marking cont Argo.	inued in I	OSA 1 and all transec	ts have	been marked except one which v	was too wet to be comp	leted with the	skid steer.	The last transe	ct will be complete	ed with the
Transect marking was	complete	d in the unmapped po	ortion o	f Area 12.						
Fransect marking bega	an in the n	orthern portion of A	rea 12 a	nd approximately 30% was comp	pleted					
	ade with N	Middlesex County Co	ollege fo	or work to be conducted on parki		. Surveying a	nd marking	g will be conduc	cted on Veteran's D	Day, Monday
Γhe Argo has been rep	aired and	will be available ton	norrow	morning.			I			
		Job Safety Meetin			⊠ Yes	☐ No			OURS ON JOB ing Continuation	
> \	(If Yes,	here any lost-time attach copy of compl	leted O	SHA report)	☐ Yes	⊠ No	СН2М	HILL On-Site	e Hours	36
JOB		Confined Space En attach copy of each p		ermit Administered This Date	e?	⊠ No	Subcon	tractor On-Si	te Hours	0
JA				ng/ Scaffold/ HV Electric/Hig		<b></b>	Total C	n-Site Hour	s This Date	36
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		HAZMAT Work I attach statement or c		t showing inspection performed)	Yes	⊠ No		itive Total of Previous Repo		291
				Released into the Environm and proposed action)	ent?	⊠ No	Total W Constru	Vork Hours Fr	rom Start of	327
				INSPECTIONS CONDUCT Daily safety briefing; equipmen		violations,	correctiv	e instructions	s given, correctiv	e actions
EQUIPMENT/MATI	ERIAL R	ECEIVED TODAY	TO BI	E INCORPORATED IN JOB			-		•	
DESCRIPTION (	OF EQUII RECEIV	PMENT/MATERIAI 'ED	_	MAKE/ MODEL/ MANUFACTURER	EQUIPMEI NUME			NSPECTION NUMBER/ VC RFORMED BY WEIGH		
EQUIPMENT USED	ON JOB	SITE TODAY.					Т			
EQUIPMEN	T DESCF	RIPTION	EQ	UIPMENT MAKE/MODEL	KE/MODEL SAFETY CHECK F		D BY		UMBER OF HOUI	1
	CDC			Trimble Geo XH	Chris	Rose		USED 3	IDLE 7	REPAIR
	GPS ity Vehicle	۵.		Argo		Rose		0	0	10
	GPS			Trimble Geo XH	Mike			7	3	
Pick	-up Truck			Dodge Ram 1500		Waldron		10	0	
	k-up truck			Chevrolet Silverado		einberg		10	0	
	SUV			Ford Edge		Rose		10	0	
	ice Trailer			ModSpace	Jonathan	Waldron		10	0	
	enerator			Ingersol Rand	Jonathan	Waldron		10	0	
Port	able toilet	t		Satellite Industries	Chris	Rose		10	0	
Port	able toilet	t		Satellite Industries	Chris	Rose		10	0	
	kid steer			Takeuchi	Jonathan	Waldron		10	0	
				Tow Master	Jonathan	Waldron		10	0	
	1 I tuli Ci									
CHANGED CONDIT	FIONS/D	d weather condition	ons, etc	OUNTERED (List any confli c.): Area18 D requires addit cts has been forwarded to Ta	ional transects to en	sure the su	spected tr	ench area wi	ll be covered du	ring the

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PROD (ATTACH ADDITIONAL SHE	RE	ATE OF REPORT: 10/31/2 EVISION NO: EVISION DATE:	2013	
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Ar	rsenal – RI/FS	RE	PORT NO: 007	
	WORK PEI	RFORMED TODAY			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Chris Rose	Transect Marking	CH2M HILL		SUXOS	10
Mike Malko	Transect Marking	CH2M HILL		UXOQCS	10
Jonathan Waldron	Transect Marking	CH2M HILL		SSHO	10
Kevin Lombardo	Transect Marking	CH2M HILL		UXOSO	3
Mark Callaghan	USACE meetings	CH2M HILL		PM	3
	INCLUDE ALL PERSONNEL WORK HO	URS IN THE TOTAL WORK HOURS	ON IOR SITE		
SAFFTV DEOLUI	EEMENTS HAVE BEEN MET	Cl. D		10/31/13	
DAFEI I REQUIR	——————————————————————————————————————	SUPERINTENDENT'S SIGN	_	DATE	

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

MAY 2021

## 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.

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Project. RI/FS Former Rai	ritan Arsenal		Date: 10/31/2	2013
LOCATION OF WORK: DSA	#1 DSA #2 Are:	a 12 unmapped are	as and Area	12 OBOD arc
LOOM TO WORK. DON	#1, DON #2, MICE	a 12 dililiapped all	cas, and mea	12 OBOD arc
	Mobilization and			0
DESCRIPTION OF WORK:	Land Survey (Bot	undary/Transect St	ake Establishn	nent)
WEATHER: ☐(CLEAR)	∏(FOG)	$\square$ (P.CLOUDY)	$\boxtimes$ (RAIN)	$\square$ (WINDY)
TEMPERATURE:	MIN: <u>47</u> °F		MAX: <u>61</u> °F	
1. Work completed today by su	ubcontractor:			
Dredge Spoil Area 1, Area 12 u	nmapped Areas a	and Area 12 OBOD	transect layo	ut and
2. Work completed today by Q	C inspection staff	:		
Follow on Inspection DFOW La	•		ke Establishme	nt)
2. All work performed in confer	manco with Work	Dlan requirements	2 Voc	
3. All work performed in conform	nance with work	rian requirements	? Yes	
If not, explain:				
4. Non conformance /deficience	ing reported.			
4. Non-conformances/deficienc None	ies reportea:			
None				
5. Comments:				
	_			
		N: I certify that the al		
		I, or my representati report and have det		
		belief that noted wor		•
	•	and specifications, e	except as may be	noted
	above.	10 00		
	M.L.	Sam	Cham-	
	1. MEAN			

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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	
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, I	LOCATION, AND LIST PERSONNEL PRESENT
Land Survey (Boundary/Transect Stake Es unmapped Areas and Area 12 OBOD tran Chris Rose	stablishment) Dredge Spoil Area #1 Area 12 sect layout and marking
Michael Malko	
Kevin Lombardo	
Jonathan Waldron	
Johannan Waldron	
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
	unmapped Areas and Area 12 OBOD transect layout and d procedures to insure compliance with Work Plan APP and S
Michala Milkon	10-31-2013
Project QC Specialist	Date

HSSE Target Zero

Target Zero

World-Class Performance

# CH2MHILL

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

ate: 10-31-13	t = la	
ipervisor: C.Rose	Job	
ctivity: Transect Flague		
ttendees: Print Na	ame	Sign/Name
Jun Waldron		Charle Case
MA MALH	'O	Mamelle
Keun hombure	L,	to hell
/ 45/18		
- Lunifythat applic	able AHAs have been reviewed:	
st Tasks and Venty that applica	ble Allas liave been reviewed.	1 1 ( -1-
online w/Trused	Floging, Trus port	to ma from she
Trailers tekenomit	$\omega$ ).	
dala in de la Colonia	9	
ools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy equipmen
	Tasks (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy equipmen
power tools):		ion, cranes/rigging, heavy equipmen
power tools):		ion, cranes/rigging, heavy equipmen
Tools/Equipment Required for bower tools):    Tools   Bobcol S		ion, cranes/rigging, heavy equipmen
power tools):		ion, cranes/rigging, heavy equipmen
hand tooks, Bobcol S	skyd Steer	
Potential H&S Hazards, including	skyd Steer	ion, cranes/rigging, heavy equipmen
Potential H&S Hazards, including	mg chemical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, including apply):  Chemical burns/contact	mg chemical, physical, safety, biologic Trench, excavations, cave-ins	cal and environmental (check all that
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment	mg chemical, physical, safety, biologic  — Trench, excavations, cave-ins  — Yoverexertion	cal and environmental (check all that
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	Trench, excavations, cave-ins  Soverexertion Pinch points	cal and environmental (check all that  ∠Ergonomics ∠Chemical splash ∠Poisonous plants/insects
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  Soverexertion  Meinch points  Cuts/abrasions	<ul> <li>□ Ergonomics</li> <li>□ Chemical splash</li> <li>□ Poisonous plants/insects</li> <li>□ Eye hazards/flying projectile</li> </ul>
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  Solverexertion  Pinch points  Cuts/abrasions  Spills	cal and environmental (check all that  ∠Ergonomics ∠Chemical splash ∠Poisonous plants/insects
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins  ∠Overexertion ∠Pinch points ∠Cuts/abrasions ∠Spills _Overhead Electrical hazards	Eal and environmental (check all that  Ergonomics  Chemical splash Poisonous plants/insects Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins  Soverexertion  Meinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-ins  Coverexertion  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	Ergonomics  Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	mg chemical, physical, safety, biologic Trench, excavations, cave-ins Yoverexertion Yinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Xilips, trip and falls Manual lifting	Ergonomics  ———————————————————————————————————
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Trench, excavations, cave-ins  Coverexertion  Yeinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Xelips, trip and falls  Manual lifting  Welding/cutting	Ergonomics  Chemical splash  Poisonous plants/insects  Seye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Sheer  Ing chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ergonomics  ———————————————————————————————————
Potential H&S Hazards, including apply): Chemical burns/contact  M. Pressurized lines/equipment  M. Thermal burns Electrical  M. Weather conditions Heights/fall > 6 feet  M. Noise  M. Explosion/fire Radiation Confined space entry	Sheer  Ing chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ergonomics  Chemical splash  Poisonous plants/insects  Seye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
Potential H&S Hazards, including apply): Chemical burns/contact  M. Pressurized lines/equipment  M. Thermal burns Electrical  M. Weather conditions Heights/fall > 6 feet  M. Noise  M. Explosion/fire Radiation Confined space entry Underground Utilities	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	Ergonomics  Chemical splash  Poisonous plants/insects  Seye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  Other Potential Hazards (Descriptions)	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	Ergonomics  Chemical splash  Poisonous plants/insects  Seye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition

Hazard Control Measure	s (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
<b>₹</b> Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
<b>X</b> Eye	Shoring	Fire watch	Grounded
C Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
*Respiratory DUSH	★Competent person	∠ Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	➤ Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Harness/lanyards	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Adequate anchorage	Radiation	XBackup alarms	Flash-back arrestors
Guardrail system	Personnel sampling	★Hand/power tools	No cylinders in CSE
Covered opening		Crane with current inspection	Flame retardant clothing
Fixed barricades	_ LEL/O2	Proper rigging	Appropriate goggles
Warning system	No visible dust	✓ Operator qualified	
	_Other		
a C I Conna Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Confined Space Entry	First-aid kit	Work/rest regime	Traffic control
_ Isolation	Eye wash	Rest area	Barricades
Air monitoring	FA-CPR trained personnel	Liquids available	Flags
Trained personnel	Route to hospital	Monitoring	Signs
Permit completed	- Route to hospital	Training	
Rescue			
Permits	Demolition	Inspections:	Training:
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
	_ Competent person	又 Heavy equipment	₹Task-specific
Excavation	Hazmat present	Drill rigs/geoprobe rigs	✓FA/CPR
_ Demolition	- Hazillat present	Cranes and rigging	Confined Space
_ Epergized work		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	✓work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	✓ Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	∠Client notification	Communication and incident pro	ocesses included?
Client review	₹24 hour notification setup		
_soft locate necessary?	<b>⊻</b> clear communications		
Field Notes (including	observations from prior day,	etc.):	MM26-25
sofe dista		1 vehila record	CV
CORE COSTON	1101-1 10001	21	7

Name (Print): Jordha Waldr-Signature:

Date: 10-31-13

			AP	PENDIX F	- DAILY REPOR	RTS			
€ СН2	<b>M</b> HILL			CH2M AILY R	HILL EPORT				
CONTRACT NA	AME:	Former	Raritan Arsenal		REPORT NO:		008		
CONTRACT NU	JMBER:	W912D	Y-09-D-0060		REPORT DATE		11/1/13		
REVISION NUM	MBER:	1			REVISION DAT	TE:	10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAM	ME / LOCATION:	Former Rarita	n Arsenal, Edison	ı, NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inve	estigation	
PROJECT MAN	NAGER:	Mark C	allaghan		UXO QUALITY	Y MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	dron	
AM WEATHER:	Rainy and warm		PM WEATHER:	Rainy an	d warm	MAX TEMP (F):	73	MIN TEMP (F):	65
			SUMMA	RY OF WO	ORK PERFORMI	ED TODAY			
support equipm	ns Taken, and Resulnent.  DPICS: Pinch point OR OBSERVATIO	its, Wet	weather operation	ons, Argo per week	use, communica	ation, and comp		ed on generator	, vehicles and
			OPER	ATIONS /	PRODUCTION F	REPORT			
WORK FORCE	E – CONTRACTO	R AND SU	JBCONTRACTO	R					
	Comp	oany		C	umulative Total of Hours From Previous Report		al Hours Today		k Hours From Start
CH2M HILL					394*		30		
					*4 hours added for on 10-26 and 10-27				

### 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

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COMMENTS (accep	tance status	, inspection findings, etc.): None				
Took equipment back to United Rental on 11-1-13 to return. Argo fixed and back in operation						
		MPLISHED OR IN PROGRESS				
Performed Work / Tes	t for Today:	Continue to flag transects at DSA 1, 2, 3 and Area 12				
Planned Work / Test for	or Tomorrow	7: Continue site boundary and transect flagging				
Planned Work / Test fo	or Next Wee	k: Boundary and transect flagging, Aquatic DGM, Ve	getation clearance.			
CHANGED CONDIT		AY/CONFLICTS ENCOUNTERED (List any con ther conditions, etc.):	flicts with the project	[i.e., scope	of work and/or drawing	s], delays to the
Transects in wet an	reas not ab	le to be safely accessed will be relocated to di	rier lands surfaces	and docu	mented per Project	Manager.
THOMAS AND DAG						
VISITORS AND DIS	SCUSSIONS	S: See attached QC and Production Report for deta QUALITY CONTROL		iscussions a	and meeting held.	
MATERIALS DELI	VERED TO	•	L KEI OKI			
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
COMMENTS (accep	tance status	, inspection findings, etc.): Pass				
INSPECTIONS PER	FORMED					
Task/Activity Insp	pected	Inspection Performed			Findings	
Schonsted inspe	ction	Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguish	ners	Monthly			Pass	
First Aid Ki	t	Monthly			Pass	
Skid Steer		Daily/Weekly	Pass			
Field Vehicle	es	Daily/Weekly			Pass	
TESTS PERFORME		_		1		
Task/Activity To		Test Performed			Test Results (Pass/Fail)	) - Criteria
GPS equipme	ent	Function and accuracy test			Pass	
Schonsted		QC check			Pass	
Site communication/ R	Radio	Radio Check			Pass	
				Ī		

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QUALITY IS	SSUES AND RE	ESOLUTIONS: no	ne									
			SUB	MITTALS INSPE	ECTION / I	REVIE	ΞW					
Submittal No	Descript		Specification/	Plan Reference		Subr	nittal A	pprove	ed?		Comment/Reas	on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
DEDAME IN	ODE CELONG DE	EDEODMED, NA	REGU	ULATORY COM	PLIANCE	REPO	ORT					
PERMITIN	SPECTIONS PI	ERFORMED: NA										
		W	ASTE ACCU	MULATION/STO	OCKPILE A	REA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA		S	Signature of	Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA	N	No of Roll-C	Off Box	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA	•	•	· ·				<u>I</u>				•
				GENERAL CO	OMMENTS	S						
General Com	ments~ (rework,	directives, etc.): Pro	epping for USA	Environmental arr	rival on Moi	nday 1	1-4-13					
				ATTACHI	MENTS							
				ing minutes, safety UXO Safety Brief,						ts, man	ifests, profiles, rev	work item list,
portions or de and last name	signate as "not a on each complet	ly in ink. Line out pplicable". Prepare ted daily report. The	r signs first is form may		Jonathan V	Waldro	on					11/1/13
be filled out e	iectronically and	signed electronical	ıy.		PREPARER	'S SIGN	JATURE					DATE

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CH2M HILL W912DY-09-D-00		CON		RACTOR PRODU			ORT		REVISION	DATE OF REPORT: 11/01/2013 REVISION NO: REVISION DATE:		
CTO NO: 003		PROJECT NAME/	LOCA	ATION: Former Raritan Arse	enal –	RI/FS		REPORT NO: 008				
PROJECT NO: 42	27946		SUX	XOS: Chris Rose			UXOSO:	Mike Ma	Malko			
AM WEATHER: Cloud rain/ cool	dy, win	dy, periods of heavy	PM 'warr	WEATHER: Partly cloudy, occ	asional	l light rain /	MAX TEN	ИР: 73 °F	N	MIN TEMP: 65 °F		
				SUMMARY OF WORL	K PEI	RFORMED TO	ODAY					
Transect marking was o	complet	ed in DSA 1.										
Transect marking was o			transec	cts TDSA2 8A-8B, 9A-9B and 1	0A-10	B. These transect	s were not al	ole to be co	mpletely marked	l with the skid steer	or Argo and	
Transect marking began	n in the	northern portion of Are	a 12 aı	nd approximately 30% was comp	pleted							
Transect marking was o	complet	ed in Area 12 North.										
_	_		10A-1	0B, 11A-11B, 12A-12B AND 1	3A-13]	R were completed	I					
The skid steer was return			101.	00, 1111 110, 1211 122 111	J. 1	D wore compared						
THE SKIU SICCI WAS ICIA		A Job Safety Meeting	g Held	l This Date?		⊠ Yes	☐ No			URS ON JOB S		
/ × \		there any lost-time a				☐ Yes	⊠ No	CH2M	HILL On-Site	Hours	28	
JOB	Was a		try Pe	rmit Administered This Date	e?	☐ Yes	⊠ No	Subcont	ractor On-Site	e Hours	0	
JC AF				g/ Scaffold/ HV Electric/Hig	gh			Total O	n-Site Hours	This Date	28	
$\setminus$ $\circ$		HAZMAT Work D s, attach statement or ch		showing inspection performed)		☐ Yes	⊠ No	Cumulative Total of Work Hours From Previous Report			327	
		Hazardous Material/V s, attach description of in		Released into the Environm and proposed action)	ent?	☐ Yes	⊠ No	Total Work Hours From Start of Construction			355	
				NSPECTIONS CONDUCT Daily safety briefing; equipmen	,		violations,	corrective	instructions	given, corrective	actions	
		RECEIVED TODAY '	го ве	E INCORPORATED IN JOB  MAKE/ MODEL/		EQUIPMEN	TT/IOT	INIS	PECTION	NUMBER/ V	OI IIME/	
	RECEI			MANUFACTURER		NUMB:			ORMED BY	WEIG		
EQUIPMENT USED	ON JO	B SITE TODAY.							NII	THEN OF HOURS		
EQUIPMENT	T DESC	CRIPTION	EQU	UIPMENT MAKE/MODEL	SA	AFETY CHECK I	PERFORME	D BY	USED	MBER OF HOURS IDLE	REPAIR	
	GPS			Trimble Geo XH		Chris	Rose		0	10	NLI III.	
	y Vehic	ele		Argo		Chris	Rose		10	0		
	GPS			Trimble Geo XH		Mike N	Malko		10	0		
Pick-	-up Truc	ck		Dodge Ram 1500		Jonathan '	Waldron		10	0		
Pick	-up truc	k		Chevrolet Silverado		Noah Wo	einberg		10	0		
;	SUV			Ford Edge		Chris	Rose		10	0		
Offic	ce Traile	er		ModSpace		Jonathan '			10	0		
Ge	enerator			Ingersol Rand		Jonathan '	Waldron		10	0		
Porta	able toil	et		Satellite Industries		Chris			10	0		
Porta	able toil	et		Satellite Industries		Chris			10	0		
Sk	id steer			Takeuchi		Jonathan '			0	5		
T	Trailer			Tow Master		Jonathan '	Waldron		0	5		
project attributable to	site al rea rec	nd weather condition	ıs, etc	OUNTERED (List any confli c.): Area18 D requires addit ts has been forwarded to Ta	ional	transects to en	sure the su	spected tr	ench area wil	l be covered duri	ng the	
			_	ace entry permit, incident re								

F-104

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO		DATE OF REPORT: 11/01/20 REVISION NO: REVISION DATE:	13		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritar	n Arsenal – RI/FS			REPORT NO: 008	
	WORK	PERFORMED TODAY	Υ			
EMPLOYEE	WORK PERFORMED	Е	EMPLOYER	EMPLOYER NUMBER	E TITLE/TRADE	HRS
Chris Rose	Transect Marking	C	CH2M HILL		SUXOS	11.5
Mike Malko	Transect Marking	C	CH2M HILL		UXOQCS	11.5
Jonathan Waldron	Transect Marking	C	CH2M HILL		SSHO	5
			_	Γ	$\overline{}$	T
						1
						1
						1
						1
						1
						1
	-					1
						1
						1
						1
						1
						T
						1
	INCLUDE ALL PERSONNEL WORK I	HOURS IN THE TOTAL V	VORK HOURS	ON JOB SITE	·	
SAFETY REQUI	IREMENTS HAVE BEEN MET 🛛	(h.	in Ros	٤	11/01/13	
	-	SUPERINTE	NDENT'S SIGN	IATURE	DATE	_

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 (Bo	oundary/Transect Stake Establishment)								
WEATHER: $\square$ (CLEAR) $\square$ (FOG)	$\boxtimes$ (P.CLOUDY) $\boxtimes$ (RAIN) $\square$ (WINDY)								
TEMPERATURE: MIN: <u>54</u> °F	MAX: <u>64</u> °F								
Work completed today by subcontractor:									
DCA #1 DCA #2 Area 12 OBOD transact layou	t and marking								
DSA #1, DSA #3 Area 12 OBOD transect layou	t and marking								
2. Work completed today by QC inspection staf	f:								
Follow on Inspection DFOW Land Survey (Bour									
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

Michala Milka

Project QC Specialist

#### F-7: FOLLOW-UP PHASE INSPECTION CHECKLIST

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

Date:11-01-2013	
Contractor: CH2M Hill	
Project: RI/FS Former Raritan Arsenal	
<ul> <li>Y=YES; N=NO; SEE REMARKS</li> </ul>	
BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS	Yes
APPROVED IN INITIAL PHASE	
IDENTIFY DEFINABLE FEATURE OF WORK,	LOCATION, AND LIST PERSONNEL PRESENT
	stablishment) DSA #1, DSA #3 Area 12 OBOD
transect layout and marking	
Chris Rose	
Michael Malko	
Jonathon Waldron	
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
	3 Area 12 OBOD. UXOQC Monitored work practice and
procedures to insure compliance with Work Pla	an APP and SOPS. Transect locations were verified by GPS
1 10 -00 11	
Michael a Milkon	11-01-2013
Project QC Specialist	Date



# WEEKLY QUALITY CONTROL REPORT



Project Name:	Remedial investigation / Feasibi	lity Study Former Raritan Arsenal	Report No:	Week 2					
Contract #.	W912DY-09-D-0060	CTO #: 003	Date:	01 Nov 13					
Location	Edison New Jersey								
1. Quality C	ontrol 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 pe	rformed by CH2M Hill and	subcontractor(s)							
October 28 CH2M Hill	•	f transects locations in Area 12, for ve	egetation r	emoval.					
	October 29, 2013 CH2M Hill continued the marking of transects locations in DSA #2, for vegetation removal.								
October 30 CH2M Hill	•	f transects locations in DSA #2, for ve	egetation r	emoval.					
October 37 CH2M Hill removal.	-	f transects locations in DSA #1 and D	SA #2, foi	vegetation					
November CH2M Hill vegetation	continued the marking of	f transects locations in DSA #1, DSA	#3 and Ar	ea 12 for					
3. Preparat	ory Phase Inspections pe	rformed this week,							
None									
4. Initial Phase Inspections performed this week.									
None									



# WEEKLY QUALITY CONTROL REPORT



Project Name:	Remedial investigation / Feasibility Study	Former Raritan Arsenal	Report No:	Week 2

Contract #. W912DY-09-D-0060 CTO #: 003 Date: 01 Nov 13

Location Edison New Jersey

#### 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



# WEEKLY QUALITY CONTROL REPORT



		CONTRO	L REPORT		Protecting People and the Environmen
CH2	MHILL.				
Project Name:	Remedial investigation	ion / Feasibility Study Former	Raritan Arsenal	Report No:	Week 2
Contract #.	W912DY-09-D-006	O CTO #: 003		Date:	01 Nov 13
Location	Edison New Jersey				
have inspect	cted all work ident nined to the best	ified on this report perfor	nplete and correct and that med by CH2M Hill and our ief that noted work activities above.	sub-contra	actor(s) and
Name and Sig	ınature: Michael Malk	Michaela Mille	Title/Company:UXOOC CH2M		ate: Stoher 25, 2013

HSSE Target Zero

Target Zero

World-Class Performance

### CH2MHILL

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

pervisor: C.Rose tivity: Tresset Clearns	) Job	
tendees: Print No.	1 1 1/6	Sign Name  MoMillo
st Tasks and verify that applic	able AHAs have been reviewed:	site w/ Traler
0 .		
ower tools):  Argo (JTV H  otential H&S Hazards, including	Tasks (ladders, scaffolds, fall protect	
ower tools):  Cover tools):	ng chemical, physical, safety, biologic	cal and environmental (check all tha
ower tools):  Argo (JTV H  otential H&S Hazards, including pply):  Chemical burns/contact	ng chemical, physical, safety, biologic Trench, excavations, cave-ins	cal and environmental (check all tha ✓Ergonomics
ower tools):  Cover t	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins	cal and environmental (check all tha  ∠Ergonomics ∠Chemical splash
ower tools):  Cover t	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Your Over exertion  Pinch points	al and environmental (check all tha  ∠Ergonomics ∠Chemical splash ∠Poisonous plants/insects
ower tools):  Otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  ✓ Overexertion  ✓ Pinch points  ✓ Cuts/abrasions	cal and environmental (check all tha  ∠Ergonomics ∠Chemical splash ∠Poisonous plants/insects ∠Eye hazards/flying projectile
otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	mg chemical, physical, safety, biologic  — Trench, excavations, cave-ins  — Overexertion  — Pinch points  — Cuts/abrasions  — Spills	cal and environmental (check all tha <pre></pre>
otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	mg chemical, physical, safety, biologic  — Trench, excavations, cave-ins  — Overexertion  — Pinch points  — Cuts/abrasions  — Spills — Overhead Electrical hazards	Ergonomics  ———————————————————————————————————
ower tools):  Otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical p	zal and environmental (check all tha
otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-ins  Toverexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	Ergonomics  ———————————————————————————————————
otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	mg chemical, physical, safety, biological process of the process	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting	Ergonomics  ———————————————————————————————————
ower tools):  Otential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	mg chemical, physical, safety, biological processor of the processor of t	Eal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms

PE	es (Check All That Apply):    Protective Systems	Fire Protection	Electrical
_Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	<b>≯</b> Fire watch	
Dermal/hand	Trench box	Non-spark tools	★ Panels covered
	Barricades	Grounding/bonding	<b>⊀</b> GFCI/extension cords
Hearing A Acask		Intrinsically safe equipment	Nower tools/cord inspected
Respiratory Dut musk	Locate buried utilities		Overhead line clearance
Reflective vests	Daily inspections		Underground utils ID'd
_Flotation device	Entry Permits/notification		_ 0
_ Hard Hat		Drange Equipment	Welding & Cutting
all Protection	Air Monitoring	Proper Equipment	Cylinders secured/capped
_Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	
_Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated upright
_Guardrail system	Radiation	Backup alarms	Flash-back arrestors
_Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
_ Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Doperator qualified	
		Heat/Cold Stress	Vehicle/Traffic
Confined Space Entry	Medical/ER	Work/rest regime	Traffic control
_ Isolation	First-aid kit	Rest area	Barricades
_ Air monitoring	Eye wash	Liquids available	Flags
Trained personnel	FA-CPR trained personnel	_ Monitoring	Signs
Permit completed	Route to hospital		318113
Rescue		Training	
-	Demolition	Inspections:	Training:
Permits	Pre-demolition survey	Ladders/aerial lifts	▲ Hazwaste (current)
Hot work	Structure condition	Lanyards/harness	✓ Construction
Confined space	Isolate area/utilities	Scaffolds	✓ Competent person
Lockout/tagout	Competent person	Heavy equipment	∠ Task-specific
Excavation	Hazmat present	Drill rigs/geoprobe rigs	₹ FA/CPR
Demolition	— Hazmat present	Cranes and rigging	Confined Space
Energized work		Utilities marked	→ Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	<b>&gt;</b> Work stops until cleared by	∠reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	<u>≺</u> on site and current	
As-builts reviewed	Immediate calls to TM/CM	∠applicable for this day's work	
Interview site staff	<u>∠</u> Client notification	∠Communication and incident pro	ocesses included?
Client review	<u>X</u> 24 hour notification setup		
_soft locate necessary?	∠Clear communications		
Field Notes fincluding	observations from prior day,	etc.):	
riela Notes (including			

Name (Print): Signature:

Date: 11-1-13

				CH2M	- DAILY REPOR				
CH2	MHILL			_	REPORT				
CONTED A CTE NA	N.C.	T.			<u> </u>		010		
CONTRACT NA			Raritan Arsenal		REPORT NO:		010		
CONTRACT NU			Y-09-D-0060		REPORT DATE		11/3/13		
REVISION NUM	MBER:	1			REVISION DAT	ГЕ:	10/30/13		
TASK ORDER	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan	n Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inve	stigation	
PROJECT MAN	NAGER:	Mark C	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	pervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	Iron	
AM WEATHER:	Cloudy, Cool		PM WEATHER:	Cloudy,	Warm	MAX TEMP (F):	54	MIN TEMP (F):	48
			SUMMA	RY OF WO	ORK PERFORMI	ED TODAY		•	
Continued flag	ging transects in I	OSA 1, 2,	3 and Area 12						
			HE	CALTH AN	ND SAFETY REP	ORT			
	ONS TAKEN TOD ns Taken, and Resul nent.								
TAILGATE TO	OPICS: Weekend	operation	ns, Argo use, con	nmunicati	ion, site safety a	nd security			
SAFE BEHAVI	OR OBSERVATIO	NS: Noi	ne for today						
			OPER	ATIONS /	PRODUCTION F	REPORT			
WORK FORCE	E – CONTRACTOI	R AND SU	JBCONTRACTO	R					

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	

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 $\label{lem:comments} \textbf{COMMENTS} \ (\textbf{acceptance status, inspection findings, etc.}): \ \textbf{None}$ 

Took equipment ba	ack to Unit	ted Rental on 11-1-13 to return. Argo fixed a	nd back in operati	on		
WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS				
Performed Work / Tes	t for Today:	Continue to flag transects at DSA 1, 2, 3 and Area 12				
Planned Work / Test fo	or Tomorrow	v: Continue site boundary and transect flagging				
Timmed (voint) Test i		The continue site countains and transfer range ing				
Planned Work / Test for	or Next Wee	k: Boundary and transect flagging, Aquatic DGM, Ve	egetation clearance.			
project attributable to		AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.):	flicts with the project	[i.e., scope	of work and/or drawing	s], delays to the
		le to be safely accessed will be relocated to di	rier lands surfaces	and docu	mented per Project	Manager.
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.	
		QUALITY CONTRO	L REPORT			
MATERIALS DELI	VERED TO					Τ
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				
INSPECTIONS PER	FORMED					
Task/Activity Ins		Inspection Performed			Findings	
Schonsted inspe		Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
		Daily/ Serviceability			Pass	
Generator						
Fire Extinguish		Monthly			Pass	
First Aid Ki		Monthly			Pass	
Bob Cat / ARG		Daily/Weekly			Pass	
Field Vehicle	es	Daily/Weekly			Pass	
TESTS PERFORME		m . n		1	T (D 1 / P	. G:: :
Task/Activity To		Test Performed			Test Results (Pass/Fail)	) - Criteria
GPS equipme	ent	Function and accuracy test			Pass	
Schonsted		QC check			Pass	
Site communication/ R	Radio	Radio Check			Pass	

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

QUALITY I	SSUES AND RI	ESOLUTIONS: no	one									
			SUB	MITTALS INS	PECTION / I	REVIE	EW					
Submittal N	o. Submit Descript		Specification/	Plan Reference		Subr	nittal A	pprove	ed?		Comment/Reas	on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
			DEC	III ATODY CO	MDLIANCE	DEDC	NDT.					
PERMIT IN	SPECTIONS P	ERFORMED: NA		ULATORY CO	MPLIANCE	REPC	)KT					
TERMIT IIV	SIECHONSI	ERI ORMED. NA										
		V	ASTE ACCU	MULATION/ST	OCKPILE A	REA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-C	Off Box	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA	•						•		•		•
				GENERAL	COMMENTS	<u> </u>						
General Com	ments~ (rework,	directives, etc.): Pr	epping for USA				1-4-13					
				ATTAC	HMENTS							
		les, as applicable: s .): Daily Production								s, mani	fests, profiles, re	work item list,
portions or de and last name	esignate as "not a on each comple	ly in ink. Line out applicable". Prepar ted daily report. The	er signs first nis form may		Jonathan V	Valdro	n					11/3/13
be filled out 6	electronically and	l signed electronica	пу.		PREPARER	'S SIGN	IATURE					DATE

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

				APPENDIX F - D/	AIL I	REPURIS					
CH2M HILL W912DY-09-D-00		CO		RACTOR PRODUCT			ORT		REVISIO	F REPORT: 11/03/ ON NO: ON DATE:	2013
CTO NO: 003		PROJECT NAME	E/LOC	ATION: Former Raritan Arser	nal –	RI/FS				T NO: 010	
PROJECT NO: 42	7946		т —	XOS: Chris Rose			UXOSO:	Mike M	alko	UXOQCS: Mike N	<b>J</b> alko
AM WEATHER: Cloud		ol	+	WEATHER: Cloudy / warm			MAX TEN			MIN TEMP: 48 °F	<b></b>
		-		SUMMARY OF WORK	PEI	RFORMED TO			<u>l</u>		
Attempted to complete	transec	et marking of the remai	ning un	marked transects in DSA 3. Acces				he norther	n portion of 4	could not be located du	e to canals
surrounding the area.  Access was found in th	e south	ern end of DSA2 allov	wing for	r the completion of transect markin	ng of	transects TDSA2	2 and 3.				
	Was	A Job Safety Meetir	ng Helo	1 This Date?		⊠ Yes	□ No			OURS ON JOB SI ing Continuation Sh	
	(If Ye	there any lost-time s, attach copy of comp	leted O	SHA report)		Yes	⊠ No	СН2М	HILL On-Sit	te Hours	08
JOB		a Confined Space En		ermit Administered This Date?	?	☐ Yes	⊠ No	Subcor	tractor On-Si	ite Hours	0
SA	Work	/ HAZMAT Work I	Done?	g/ Scaffold/ HV Electric/High	1	☐ Yes	⊠ No		On-Site Hour ative Total of		08
			ent or checklist showing inspection performed)  atterial/Waste Released into the Environment?				∇ N-	From Previous Report  Total Work Hours From Start of			375
CAFETY ACTION		•		at and proposed action)  INSPECTIONS CONDUCT	ED /	<del></del>	No No	Constr			383
				Daily safety briefing; equipment			violations,	correcuv	e instruction	s given, corrective t	ictions
_				E INCORPORATED IN JOB						NUR ADED / MA	OL LIDATE /
	RECEI	JIPMENT/MATERIAI VED		MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ VO WEIGH	
EQUIPMENT USED	ON JO	DB SITE TODAY.		T					N	UMBER OF HOURS	
EQUIPMEN?	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	SA	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
	GPS			Trimble Geo XH		Chris 1	Rose		0	10	
Utilit	y Vehic	cle		Argo		Chris	Rose		4	6	
	GPS			Trimble Geo XH		Mike N	Malko		4	6	
Pick-	up Tru	ck		Dodge Ram 1500		Jonathan \	Waldron		0	10	
Pick	-up truc	ck		Chevrolet Silverado		Mike N	Malko		4	6	
	SUV			Ford Edge		Chris			4	6	
	ce Trail			ModSpace		Jonathan \			0	10	
	nerator			Ingersol Rand		Chris			0	10	
	able toil			Satellite Industries Satellite Industries		Chris			0	10	
Polta	able toil	et		Sateme mastres					0	10	
project attributable to	site a	nd weather condition	ons, etc	OUNTERED (List any conflict c.): Area18 D requires addition	nal	transects to ens	sure the su	spected to	rench area w	ill be covered durin	g the
investigation. The a		auiring additional t	ransec	ts has been forwarded to Tan	nir K	<u>(laff to be adde</u>	d to the sh	ape files	tor inclusion	ınto the investigati	on.
LIST OF ATTACHME	ENTS (C	OSHA report, confi	ned spo	ace entry permit, incident rep	orts,	etc.):					

CTO NO: 003 PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS REPORT NO: 010	
CTO NO. 005 TROJECT NAME/EOCATION. Former National Assensi – N/15 REFORT NO. 010	

EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HR		
Chris Rose	Transect Marking	CH2M HILL		SUXOS	4		
Mike Malko	Transect Marking	CH2M HILL		UXOQCS	4		
	INCLUDE ALL PERSONNEL WORK HO	OURS IN THE TOTAL WORK HOURS	ON JOB SITE				
SAFETY REQUIREMEN	TS HAVE BEEN MET 🛛	Chai Ros	Chris Rose				
	<del></del>	SUPERINTENDENT'S SIGN	DATE				

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Project.	RI/FS Former Rari	itan Arsenal		Date: 11/03/2	2013
LOCATION (	OF WORK: DSA	#2, DSA #3			
		,			
DESCRIPTION	ON OF WORK: L	and Survey (Bo	oundary/Transect S	take Estahlishr	ment)
<u>DECORII TR</u>	SIT OF WORKS.	taria Garvey (Di	odridary/Transcot C	tako Estabilerii	Homy
WEATHER:	□(CLEAR)	□(FOG)	⊠(P.CLOUDY)	□(RAIN)	□(WINDY)
	— <b>,</b>				
TEMPERATI	UKE:	MIN: <u>31</u> °F		MAX: <u>52</u> °F	
1 \/\outs oom		h o o votvo oto v.			
i. Work cor	npleted today by su	bcontractor:			
DSA #2 DSA	A #3 transect layout	and marking			
DOA #2, DOI	- #3 transect layout	and marking			
2. Work cor	npleted today by Q0	C inspection sta	ff:		
	spection DFOW La	•		ke Establishme	ent)
		(= 0.00	,		
3. All work pe	erformed in conform	nance with Work	ς Plan requirements	? Yes	
If not, explain					
4. Non-confo	rmances/deficiencie	es reported:			
None		•			
5. Comments	s:				
The staff was	s unable to find an a	access to DSA #	#3 transects TDSA3	B-1, TDSA3-2,	TDSA3-3, and
the northern	portion of transect				
canal filled w	rith 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> <li>Y=YES; N=NO; SEE REMARKS</li> </ul>	
BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS	Yes
APPROVED IN INITIAL PHASE	165
AFFROVED IN INITIAL FITAGE	
IDENTIFY DEFINABLE FEATURE OF WORK, I	LOCATION, AND LIST PERSONNEL PRESENT
	stablishment) DSA #2, DSA #3 transect layout and
marking Chair Bases	
Chris Rose	
Michael Malko	
	_
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
Transect layout continued in DSA #2, DSA #3 insure compliance with Work Plan APP and SC	3 Area UXOQC Monitored work practice and procedures to DPS. Transect locations were verified by GPS
Michaela Mille	11-03-2013
Project QC Specialist	Date

HSSE Target Lero World-Class Performance

#### CH2MHILL

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

	Location: SIT		12-3
Supervisor: CH21S K	2-18		
Supervisor: C140215	JOD JOD		
activity: TRANSBAT			
Attendees: Print N	lame	Sign Name	1
CHRIS RO	256	(Canil	
MICHARC 1	MACKO	Mariva	le
List Tasks and verify that applic	cable AHAs have been reviewed:	TO THE PROPERTY OF THE PARTY OF	
*			
A CONTRACTOR OF THE CONTRACTOR			
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy	equipment,
power tools):			
Potential H&S Hazards, includio	ng chemical, physical, safety, biologic	cal and environmental (ch	eck all that
Potential H&S Hazards, includio	ng chemical, physical, safety, biologic	cal and environmental (ch	eck all that
Potential H&S Hazards, includio	ng chemical, physical, safety, biologic		eck all that
Potential H&S Hazards, includion apply):		Ergonomics	eck all that
Potential H&S Hazards, includions apply):Chemical burns/contact	Trench, excavations, cave-ins	Ergonomics Chemical splash	S
Potential H&S Hazards, includii apply): Chemical burns/contact Pressurized lines/equipment	Trench, excavations, cave-ins	Ergonomics Chemical splash Poisonous plants/insec	ts
Potential H&S Hazards, includions apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	Trench, excavations, cave-ins  Overexertion Pinch points	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje	ts
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proju	ts
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet	Trench, excavations, cave-ins <pre></pre>	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying projection in the control of t	ts ectile
Potential H&S Hazards, including apply):  Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical  *Weather conditions  _ Heights/fall > 6 feet  *Noise	Trench, excavations, cave-ins  Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying projuction in the project of t	ts ectile
Potential H&S Hazards, including apply): Chemical burns/contact _ Pressurized lines/equipment _ Thermal burns _ Electrical  _ Weather conditions _ Heights/fall > 6 feet  _ Noise _ Explosion/fire	Trench, excavations, cave-ins  & Overexertion Pinch points  & Cuts/abrasions Spills Overhead Electrical hazards Elevated loads  & Slips, trip and falls	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment	ts ectile
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  > Weather conditions  Heights/fall > 6 feet  <_ Noise  Explosion/fire  Radiation	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual lifting	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying projuction in the project of t	ts ectile
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical  >_Weather conditionsHeights/fall > 6 feet  >_NoiseExplosion/fireRadiationConfined space entry	Trench, excavations, cave-ins <pre></pre>	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition	ts ectile
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying projuction in the project of t	ts ectile
Potential H&S Hazards, including apply):  Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical  Weather conditions Heights/fall > 6 feet  Noise Explosion/fire Radiation Confined space entry	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition	ts ectile
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition	tts ectile
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical  >Weather conditionsHeights/fall > 6 feet <noise <explosion="" entryunderground="" fireradiationconfined="" space="" td="" utilities<=""><td>Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity</td><td> Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition</td><td>ts ectile</td></noise>	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition	ts ectile
apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	Trench, excavations, cave-ins CoverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insec Eye hazards/flying proje Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition	ts ectile

Hazard Control Measur	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	✓ Fire extinguishers	Lockout/tagout
<b>∠</b> Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
∠Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	XHand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
6 6 16 5	1.1/50	1116.116.	N 1: 1 77 70
Confined Space Entry	Medical/ER  First-aid kit	Heat/Cold Stress	Vehicle/Traffic
Isolation		Work/rest regime	Traffic control
Air monitoring	✓ Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	K Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	∠ Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	✓ Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	∠ Competent person
Excavation	Competent person	★ Heavy equipment	✓ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	✓ Confined Space
_ ~		Utilities marked	✓ Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	₩ork stops until cleared by	**Treviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	/ Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	₹24 hour notification setup	A sommandadirana incident pro	normaca.
soft locate necessary?	X Clear communications		
Field Notes (including o	observations from prior day, e	etc.):	
	• *************************************		

Name (Print): MA MGLKO)
Signature: MOMULE Date: 03 Nov

<b>О</b> СН	2MHILL
CONTRACT N	AME:
CONTRACT N	UMBER:
REVISION NU	MBER:
TASK ORDER	NUMBER:
PROJECT NUI	MBER:
PROJECT MA	NAGER:
Senior UXO Su	pervisor:
AM WEATHER:	Cold
Mobilization	of IISA Envi
	nd site layout

# CH2M HILL DAILY REPORT

Former	Raritan Arsenal		REPORT NO:		011			
W912DY-09-D-0060			REPORT DATE	D:	11/4/13			
1			REVISION DAT	ΓE:	10/30/13			
003			PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ			
427946			PROJECT DESC	CRIPTION:	Remedial Investigation			
Mark Ca	allaghan		UXO QUALITY	MANAGER:	Mike Malko			
Chris Ro	ose		SITE HEALTH & SAFETY Jonathan Waldron OFFICER:		ron			
	PM WEATHER:	Cool, war	rming, clear	MAX TEMP (F):	44	MIN TEMP (F):	32	
	W912D 1 003 427946 Mark Ca	1 003 427946 Mark Callaghan Chris Rose PM	W912DY-09-D-0060  1  003  427946  Mark Callaghan  Chris Rose  PM Cool, wan	W912DY-09-D-0060 REPORT DATE  REVISION DATE  003 PROJECT NAM  427946 PROJECT DESC  Mark Callaghan UXO QUALITY  Chris Rose SITE HEALTH OFFICER:  PM Cool, warming, clear	W912DY-09-D-0060  REPORT DATE:  1 REVISION DATE:  003 PROJECT NAME / LOCATION:  427946 PROJECT DESCRIPTION:  Mark Callaghan UXO QUALITY MANAGER:  Chris Rose SITE HEALTH & SAFETY OFFICER:  PM Cool, warming, clear MAX TEMP	W912DY-09-D-0060  REPORT DATE: 11/4/13  1 REVISION DATE: 10/30/13  003 PROJECT NAME / LOCATION: Former Raritan 427946 PROJECT DESCRIPTION: Remedial Invest Mark Callaghan UXO QUALITY MANAGER: Mike Malko Chris Rose SITE HEALTH & SAFETY OFFICER:  PM Cool, warming, clear MAX TEMP 44	W912DY-09-D-0060  REPORT DATE: 11/4/13  1 REVISION DATE: 10/30/13  003 PROJECT NAME / LOCATION: Former Raritan Arsenal, Edison, 427946  PROJECT DESCRIPTION: Remedial Investigation  Mark Callaghan  UXO QUALITY MANAGER: Mike Malko  Chris Rose  SITE HEALTH & SAFETY Jonathan Waldron  OFFICER:  PM Cool, warming, clear MAX TEMP 44 MIN TEMP	

#### 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

WORKET ONCE CONTRECTOR IN DECENTION			
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

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WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
		HASP briefing, site familiarization, prep and staging					
Planned Work / Test for	or Tomorrow	v: Veg. clearance / reduction					
Planned Work / Test for	or Next Wee	k: Boundary and transect flagging, Aquatic DGM, Vo	egetation clearance/ re	eduction			
CHANCED CONDI	CIONS/DEI	AY/CONFLICTS ENCOUNTERED (List any con	flicts with the project	lia scopa	of work and/or drawing	rel delaye to the	
project attributable to	site and weat conmental w	ther conditions, etc.): AHA's for USA Environment vill not start vegetation clearance. USA Environme	al not to standard a	nd need to b	e revised. Miscommu	nication as to plan	
VISITORS AND DIS	CUSSIONS	s: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.		
		QUALITY CONTRO					
MATERIALS DELI	VERED TO	JOB SITE					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By	
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER		I C D C I		1	T. 1.		
Task/Activity Insp		Inspection Performed		Findings			
Schonsted inspe GPS Equipme		Daily/Serviceability  Daily/Serviceability		Pass			
Of 5 Equipme	ont .				Pass		
Generator		Daily/ Serviceability			Pass		
Fire Extinguish		Monthly			Pass		
First Aid Ki		Monthly			Pass		
Bob Cat / ARG		Daily/Weekly Daily/Weekly			Pass Pass		
riela vellicie	25	Daily/ Weekly			Fass		
TESTS PERFORME	Z <b>D</b>						
Task/Activity To		Test Performed			Test Results (Pass/Fail)	) - Criteria	
GPS equipme	ent	Function and accuracy test			Pass		
Schonsted		QC check			Pass		
Site communication/ R	ladio	Radio Check			Pass		

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

MAY 2021

QUALITY I	SSUES AND RE	ESOLUTIONS: no	one									
			SUE	BMITTALS INS	PECTION /	REVII	ΞW					
Submittal N	o. Submit Descript	***	Specification	/Plan Reference		Subi	mittal A	pprove	d?	Comment/Reason/Action		son/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
			DEC	III ATRODA CO	MDI IANG	E DED	)DT					
PERMIT IN	SPECTIONS P	ERFORMED: NA		ULATORY CO	MPLIANCI	E KEP(	)KI					
TERMIT IN	SI ECHONS II	ERFORNED. NA										
		v	VASTE ACCU	MULATION/S'	<b>FOCKPILE</b>	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	of Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-	-Off Bo	xes:	NA			No. of Drums	NA
Inspection Re	esults: NA		•									•
				GENERAL	COMMEN	TS						
General Com	ments~ (rework,	directives, etc.): U	SA Environmer	ntal on Monday 1	1-4-13. Prep	for veg	reducti	on/ cle	arance			
				ATTAC	CHMENTS							
List of Attach RFIs, DCNs,	nments: (example photographs, etc	les, as applicable: s .): Daily Production	ubmittals, meet n Report, Daily	ting minutes, saf UXO Safety Bri	ety meeting 1 ef, Daily PTS	minutes SP, and	, COCs, Daily Q	weigh C Rep	t ticket ort. Su	ts, man bcontra	ifests, profiles, reactor Daily for U	ework item list, SA Environmental
portions or de and last name	esignate as "not a on each comple	ly in ink. Line out pplicable". Prepar ted daily report. The	er signs first nis form may		Jonathan	Waldro	on					11/4/13
be filled out	electronically and	l signed electronica	lly.		PREPARE	ER'S SIGN	NATURE					DATE

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

CH2M HILL W912DY-09-D-0060	СО		RACTOR PRODU			PORT		DATE O REVISIO	F REPORT: 11/04 DN NO:	1/2013
		( <i>A</i>	ATTACH ADDITIONAL SHEE	TS IF	NECESSARY)			REVISIO	ON DATE:	
CTO NO: 003	PROJECT NAMI	NAME/LOCATION: Former Raritan Arsenal – RI/FS						REPORT	'NO: 011	
PROJECT NO: 4279	46	SU	XOS: Chris Rose			UXOSO:	: Mike Malko UXOQCS: Mike			Malko
AM WEATHER: Clear /	old	PM	WEATHER: Clear / cold			MAX TEN	ИР: 32 °F		MIN TEMP: 45 °F	
			SUMMARY OF WOR							
USAE's vegetation reduct	ion teams arrived on site.	The tean	ns were given a site specific brie	fing, r	eviewed AHAs, re	eceived field	equipmen	and prepared f	or field work to begi	n tomorrow.
Jim Marshall arrived on si		es.								
Weekly operations call co	nducted.									
Two 20ft conexes were de	livered to USAE and set u	p at the	CH2M HILL office trailer							
Access was located into the	e southeastern portion of	DSA3 al	llowing Transects TDSA3 1, 2, 3	and 4	to be marked.					
W	as A Job Safety Meeti	ng Helo	d This Date?		⊠ Yes	□ No			OURS ON JOB S ing Continuation S	
	ere there any lost-time Yes, attach copy of comp	leted O	SHA report)		☐ Yes	⊠ No	СН2М	HILL On-Sit	e Hours	44
	as a Confined Space E Yes, attach copy of each		ermit Administered This Date	e?	☐ Yes	⊠ No	Subcor	tractor On-Si	te Hours	216
J. A.			ng/ Scaffold/ HV Electric/Hig	gh	□ Vas	⊠ No		On-Site Hour		260
	ork/ HAZMAT Work Yes, attach statement or o		t showing inspection performed)		∐ Yes	△ No		ative Total of Previous Repo		383
\	as Hazardous Material Yes, attach description of		Released into the Environm at and proposed action)	ent?	☐ Yes	⊠ No	Total V Constr	Vork Hours Faction	rom Start of	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/MATER	AL RECEIVED TODAY	TO B	E INCORPORATED IN JOB						_	
	EQUIPMENT/MATERIA CEIVED	L	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ V WEIG	
	SUV		Ford Edge		7BC5849 Jin			Jim Marshall 1ea		ı
Util	ty Vehicle		Bobcat		31455	56	Jona	Jonathan Waldron 1ea		ı
	Гrailer		EZDumper		18697	70	Jona	han Waldron	1ea	ı
EQUIPMENT USED OF	JOB SITE TODAY.									
EQUIPMENT I	ESCRIPTION	EQ	UIPMENT MAKE/MODEL	SAFETY CHECK PE		AFETY CHECK PERFORMED BY			UMBER OF HOURS	-
			T: 11 C VII		CI :	D.		USED	IDLE	REPAIR
GF			Trimble Geo XH		Chris Mike M			4	6	
Utility V			Argo Leonard		Mike I			4	6	
GF			Trimble Geo XH		Mike I			4	6	
Pick-up			Dodge Ram 1500		Jonathan			11	0	
Pick-up			Chevrolet Silverado		Mike M	Malko		11	0	
SU			Ford Edge		Chris	Rose		11	0	
SU	V		Ford Edge		Jim Ma	arshall		11	0	
Office '	`railer		ModSpace		Jonathan	Waldron		11	0	
Gene	ator		Ingersol Rand		Jonathan	Waldron		11	0	
Portable	toilet		Satellite Industries		Chris	Rose		11	0	
Portable	toilet		Satellite Industries		Chris			11	0	
Utility V	ehicle		Bobcat		Jonathan	Waldron		4	6	
Trai	ler		EZDumper		Jonathan	Waldron		4	6	
CHANGED CONDITION project attributable to si			OUNTERED (List any conflic.):	cts w	ith the delivery	order [i.e.,	scope of	work and/or	drawings], delays	to the
VISITORS TO THE SIT	E:									
LIST OF ATTACHMENT	S (OSHA report, confi	ned sp	ace entry permit, incident re	ports	. etc.):					

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)  PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS		1	DATE OF REPORT: 11/04/2013 REVISION NO: REVISION DATE: REPORT NO: 011	
CTO NO: 003			1		
	WORK PERFORM		1		
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	E TITLE/TRADE	HRS
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	11
Mike Malko	Subcontractor oversight / Transect Marking	CH2M HILL		UXOQCS	11
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	11
Jonathan Waldron	Subcontractor oversight / Transect Marking	CH2M HILL		SSHO	11
					_
	INCLUDE ALL PERSONNEL WORK HOURS IN T	HE TOTAL WORK HOURS	ON JOB SITE		
SAFETY REQUIR	REMENTS HAVE BEEN MET	Chris Rose		11/04/13	
		SUPERINTENDENT'S SIGN	NATURE	DATE	

Project. RI/FS Former Raritan Arsenal	Date: <u>11/04/2013</u>
LOCATION OF WORK: DSA #3, Area 12 Site Trailer (EF	PA Compound)
	,
DESCRIPTION OF WORK: Mobilization and Site Setup,	Transect layout and marking
WEATHER: $\square$ (CLEAR) $\square$ (FOG) $\square$ (P.CLOU	$JDY)  \square(RAIN)  \square(WINDY)$
TEMPERATURE: MIN: <u>36</u> °F	MAX: <u>46</u> °F
Work completed today by subcontractor:	
Mobilization of Vegetation Clearance Teams and Equipment	t. Site Specific Briefina
Site and equipment setup and testing	,,
2. Work completed today by QC inspection staff:	andation Dominal Craws)
Follow on Inspection DFOW Mobilization and Site Setup (V	egetation Removal Crews)
3. All work performed in conformance with Work Plan require	ements? Yes
If not, explain:	
4. Non-conformances/deficiencies reported:	
Vegetation removal subcontractor does not have an approve removal. Subcontractor will provide an AHA for this activity premoval.	
5. Comments:	
An access point to DSA #3 transects TDSA3-1, TDSA3-2, T	•
the northern portion of transect TDSA3-4 was located toda transects are covered with standing water two to six inches in the standing water two water two to six inche	
The state of the s	
correct and that I, or my reprint identified on this report and I knowledge and belief that no with work plans and specifications.	at the above report is complete and resentative, have inspected all work have determined to the best of my otted work activities are in compliance ations, except as may be noted
Muchala	"Who

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> <li>Y=YES; N=NO; SEE REMARKS</li> </ul>	
BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS	Yes
APPROVED IN INITIAL PHASE	
IDENTIFY DEFINABLE FEATURE OF WORK,	LOCATION, AND LIST PERSONNEL PRESENT
	stablishment) Area 12, DSA #3 transect layout and
marking	
Chris Rose	
Michael Malko	
Jonathan Waldron	
Jim Marshal	
INCRECTIONS DEPENDATED & WILL DEPEND	DMED TEOT
INSPECTIONS PERFORMED & WHO PERFO	KMED 1E81
Transactional in DCA #2 and An	20 40 LIVOO Maniferral conductors for and more live to
	ea 12. UXOQC Monitored work practice and procedures to
insure compliance with Work Plan APP and So	JPS. Transect locations were verified by GPS

F-128

11-04-2013

Date

Michala Mille

Project QC Specialist

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

Date: _11-0	04-2013	
Contractor:	CH2M Hill	
Project:	RI/FS Former Raritan Arsenal	
	YES; N=NO; SEE REMARKS T APPLICABLE	
	MPLIES WITH WORK PLAN AS O IN INITIAL PHASE	Yes

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

Mobilization and site setup. EPA Com	pound 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.

Michaela Mille	11-04-2013
Project QC Specialist	Date

HSSE Target LCTO World-Class Performance

### CH2MHILL

pervisor: (Rose / J.C.) civity: Veg Clearee	t removal	
tendees: Print Na	me ~~+	Sign Name
Hits for lea restort clearing brus	able AHAs have been reviewed:  Noval ord sorta Rec  Lin Area 10 + Area  writin ord Pref Tasks (ladders, scaffolds, fall protect	>
ower tools): Hand tools, Pouer - Potential H&S Hazards, including	100/s, Gas formed	
ower tools):  Hand foods, Foreer-level bash has potential H&S Hazards, including apply):	ng chemical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, including	ng chemical, physical, safety, biologic Trench, excavations, cave-ins	cal and environmental (check all that
ower tools):  Hand fools, Fourer -  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion	cal and environmental (check all that  Ergonomics  X Chemical splash
ower tools):  Had tools Forer -  Potential H&S Hazards, includir  apply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns	Trench, excavations, cave-ins	cal and environmental (check all that  Ergonomics  X Chemical splash  Poisonous plants/insects
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  Soverexertion  Pinch points  Cuts/abrasions	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns  Electrical  Weather conditions	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills	cal and environmental (check all that  Ergonomics  X Chemical splash  X Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard
cower tools):  Hood fods Fouer -  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Meat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads	cal and environmental (check all that  Ergonomics  X Chemical splash  X Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Meat/cold stress  Water/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads X Slips, trip and falls	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  X Slips, trip and falls  Manual lifting	cal and environmental (check all that  Ergonomics  X Chemical splash  X Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Meat/cold stress  Water/drowning hazard  Meavy equipment  Aerial lifts/platforms
cover tools):  Hood fods Fouer -  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  X Slips, trip and falls  Manual lifting  Welding/cutting	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  K Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  X Slips, trip and falls  Manual lifting  Welding/cutting  X Security	cal and environmental (check all that  Ergonomics  X Chemical splash  X Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Meat/cold stress  Water/drowning hazard  Meavy equipment  Aerial lifts/platforms

azard Control Measure	s (Check All That Apply):	Fire Protection	Electrical
PE	Protective Systems	★ Fire extinguishers	Lockout/tagout
_Thermal/lined	Sloping	Fire watch	₹ Grounded
Eye	Shoring		Panels covered
<b>₹</b> Dermal/hand	Trench box	Non-spark tools	✓ GFCI/extension cords
Hearing	Barricades	Y Grounding/bonding	Y Power tools/cord inspected
Respiratory	Competent person	1 Intrinsically safe equipment	Overhead line clearance
✓ Reflective vests	Locate buried utilities		Underground utils ID'd
Flotation device	Daily inspections		— Ouder ground delis 15 d
¥ Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
Warning system	Other	Operator qualified	
			1 1 1 1 7 60
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
_ Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
- Rescue	-	Training	
mescue			/
Permits /	Demolition	Inspections:	Training:
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	✓ Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	★ Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	★ Competent person
Excavation	Competent person	₹ Heavy equipment	<u>⊀</u> Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
I — /		Cranes and rigging	Confined Space
Energized work	7	Utilities marked	<u></u> Hazcom
	1	01107	_1
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	1
_3 <sup>rd</sup> Party locater	TM/CM	✓ on site and current	
As-builts reviewed	✓ Immediate calls to TM/CM	$\frac{\mathbf{X}}{\mathbf{Z}}$ applicable for this day's work	1 1-12
Interview site staff	∠ Client notification ∠	Communication and incident pr	rocesses included?
Client review	24 hour notification setup		
_soft locate necessary?	XClear communications		
Field Notes lincluding	g observations from prior day,	etc.):	
Field Notes (including	),		

Name (Print):

Signature:

Date: 11-4-13

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: 4 Nover

Name (printed)	Signature	Company
MICHAEL MALPIO	malha	CH2M HIU
RICK ROGALINER	1 January 1	USAE
Paul Schmidt	111145	USAE
George Edwards	rew u a >	asus
SCOTT BAKER	1583-	USAE
Rick Mayer	Fish m	USAE
Jake Black	lin the	USAE
Seffrey VANDELVOXT		CISAE
charles M. Ward	cherce 5 H, Wand	USILE
Joseph Agner	ANCIA	USME
STEVE TYOMAS		USAE
KELAN HAMMOND	1/m12>	USAE
TOM EGBERT	Jom (5)	USAE
Michael Golluscia	min	USAE
Jody F: 40	7712	USAR
Christopher stack	Christon Stock	USAE
Jason McCois		USAE
John Baird	W Hard	USAL
Wayne Manthey	2m Martin	USHE
BART Belcher	But 14 Bollin	USAU
Jeff Sullivan	12/1 Dal	USAE
Angelo Palverento	ancela Palverento	USAE
JAMPS ROYA (4)	I kens Kozaly	USAE
ASOLAL HAROLA	A balun	USAT
Justin Goul		USAE
Robin Morgan	elist.	USAE
Robert Wallace	Whit wall	USAE
Jim MARSHACE	Allachel	CHAMHICL
MIKE BEALER	Modele	USAE
Ja Waldron	00	CHZMHILL
Chris Rose	Chro Ra	CH2m HTLL

CH2MHILL

#### 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 CH2MHHILL 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 1 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

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

IPMENT 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)			
IMENTS (Issues, Action Items, Notification	ons ect.):		
,,,,,			

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



## CH2M HILL DAILY REPORT

		_					1		
CONTRACT NA	ME:	Former	Former Raritan Arsenal		REPORT NO:		012		
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		11/5/13			
REVISION NUM	MBER:	1		REVISION DATE:		10/30/13			
TASK ORDER N	TASK ORDER NUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ		
PROJECT NUM	PROJECT NUMBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark C	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	Senior UXO Supervisor: Chris Rose			SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, clear and sur	nny	PM WEATHER:		I, warming, clear, ice of evening rain (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

WORK TOKEL - CONTRACTOR AND DEDCONTRACTOR			
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
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL

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

MAY 2021

COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN PROGRESS					
Performed Work / Tes	t for Today:	HASP briefing, site familiarization, prep and staging.					
Planned Work / Test f	or Tomorrow	v: Veg. clearance / reduction					
Planned Work / Test f	or Next Wee	k: Boundary and transect flagging, Aquatic DGM, Ve	egetation clearance/ re	eduction			
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 DIS	SCUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO		Maka/Modal/Man	ufacturar	Material Lot	Ingraction	
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	uracturer	Number	Inspection Performed By	
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Ins		Inspection Performed			Findings		
Schonsted inspe GPS Equipme		Daily/Serviceability  Daily/Serviceability			Pass		
Generator		Daily/ Serviceability			Pass Pass		
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki		Monthly			Pass		
Bob Cat / ARG		Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	ED						
Task/Activity To		Test Performed			Test Results (Pass/Fail)	- Criteria	
GPS equipme	ent	Function and accuracy test			Pass		
Schonsted		QC check			Pass		
Site communication/	Radio	Radio Check			Pass		

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

QUALITY IS	SSUES AND RE	ESOLUTIONS: no	ne					•		
	<u> </u>	1		BMITTALS INS	PECTION /	1				
Submittal No	o. Submit Descript		Specification	/Plan Reference		Subn	nittal A	pproved?	Comment/Reaso	on/Action
NA						Yes		No 🗆		
						Yes		No 🗆		
						Yes		No 🗆		
						Yes		No 🗆		
		<b>I</b>								
			REG	ULATORY CO	MPLIANC	E REPO	RT			
PERMIT INS	SPECTIONS PI	ERFORMED: NA								
		W	ASTE ACCU	MULATION/ST	OCKPILE	AREA	INSPE	CTION		
Inspection Per	formed By:	NA			Signature of	of Inspec	tor:	NA		
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA		No of Roll-	-Off Box	kes:	NA	No. of Drums	NA
Inspection Re	sults: NA	•	•					•	•	•
				GENERAL	COMMEN'	TS				
General Com	ments~ (rework,	directives, etc.): M	ssing AHA for			al forest	ry head.			
					HMENTS					
									anifests, profiles, rew attractor Daily for USA	
portions or de and last name	signate as "not a on each comple	ly in ink. Line out pplicable". Prepare ted daily report. The	er signs first is form may		Jonathan	Waldro	n		:	11/5/13
be filled out e	ectronically and	signed electronical	ıy.		PREPARI	ER'S SIGN	ATURE			DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-137

CH2M HILL W912DY-09-D-0		CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECE					PORT		REVISIO	F REPORT: 11/05 ON NO: ON DATE:	5/2013
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsenal – RI					- RI/FS			REPORT	'NO: 012	
PROJECT NO: 42	27946		SU	XOS: Chris Rose			UXOSO:	Mike Ma	lko	UXOQCS: Mike	Malko
AM WEATHER: Clea	r / cold		PM	WEATHER: Clear / cold			MAX TEN	ИР: 36 °F		MIN TEMP: 54 °F	
				SUMMARY OF WORK	PE	RFORMED T	ODAY		•		
Vegetation reduction of completed in DSA2: 2 Andy Gascho, project Weekly QC call condu	, 4, 5, 6 geophys	and 7.	8D, EP	A property, vegetation reduction of	comp	leted. Approxima	tely 45% of I	OSA2 veget	ation reduction	n was completed. Tra	nsects
	Was A	A Job Safety Meetin	ıg Helo	1 This Date?		⊠ Yes	☐ No			OURS ON JOB Sing Continuation S	
/ <sub>}</sub> \	(If Yes	there any lost-time s, attach copy of comp	eted O	SHA report)		☐ Yes	⊠ No	СН2М	HILL On-Sit	e Hours	45
JOBAFET		a Confined Space En s, attach copy of each p		rmit Administered This Date	?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	314
JOB	Work	rer Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High ork/ HAZMAT Work Done? Yes, attach statement or checklist showing inspection performed)  Total On-Site Hours This Date  Cumulative Total of Work Hours From Previous Report				Work Hours	357 643				
		Was Hazardous Material/Waste Released into the Environment? Total					Total Work Hours From Start of Construction				
taken, and results o	f safet	y inspections condu	cted):	NSPECTIONS CONDUCT Daily safety briefing; equipment			violations,	corrective	instruction.	s given, corrective	actions
		JIPMENT/MATERIAI		E INCORPORATED IN JOB  MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			PECTION ORMED BY	NUMBER/ V WEIG	
Car Ford Fusion				GGN 3	892	And	ly Gascho	1ea	ı		
EQUIPMENT USED	ON JO	B SITE TODAY.									
EQUIPMEN	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY		USED	UMBER OF HOUR IDLE	S REPAIR		
	GPS			Trimble Geo XH	Chris Rose		8	0			
Utili	ty Vehic	cle		Argo		Mike Malko			8	0	
	Frailer			Leonard		Mike I	Malko		8	0	
	GPS			Trimble Geo XH		Mike I	Malko		8	0	
Pick	-up Tru	ck		Dodge Ram 2500		Jonathan	Waldron		9	0	
Picl	k-up truc	:k		Chevrolet Silverado		Mike I	Malko		9	0	
	SUV			Ford Edge		Chris	Rose		9	0	
	SUV			Ford Edge		Jim Ma	arshall		9	0	
	Car			Ford Fusion		Andy C	Gascho		9	0	
Offi	ce Trail	er		ModSpace		Jonathan			9	0	
G	enerator			Ingersol Rand		Jonathan			9	0	
Port	able toil	et		Satellite Industries		Chris			9	0	
Port	able toil	et		Satellite Industries		Chris			9	0	
Utili	ty Vehic	ele		Bobcat		Jonathan			8	0	
CHANGED CONDI				EZDumper  OUNTERED (List any conflice): USAE has not provided a			order [i.e.,				
VISITORS TO THE	SITE:										

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUC	DATE OF REPORT: 11/05/2013 REVISION NO: REVISION DATE:					
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsen	CT NAME/LOCATION: Former Raritan Arsenal – RI/FS RE					
	WORK PERFC	ORMED TODAY		-			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS		
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	9		
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	9		
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	9		
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	9		
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	9		
	INCLUDE ALL PERSONNEL WORK HOURS	IN THE TOTAL WORK HOURS	ON JOB SITE				
SAFETY REQUI	REMENTS HAVE BEEN MET □	Chri Ros		11/05/13			
		SUPERINTENDENT'S SIGN		DATE	_		

Project.	RI/FS Former Rar	itan Arsenal		Date: 11/04/	2013
-					
LOCATION	OF WORK: DSA	#3 Area 12 Si	te Trailer (EPA Cor	nnound)	
LOOKTION	OI WORK. DOA	#5, Alca 12 OI	te Haller (El A Ool	проини)	_
DESCRIPTION	ON OF WORK: I	Mobilization and	Site Setup, Transe	ect layout and r	narking
WEATHER:	⊠(CLEAR)	□(FOG)	$\square$ (P.CLOUDY)	☐(RAIN)	$\square$ (WINDY)
TEMPERAT		MIN: 36 °F		MAX: 46 °F	,
TEINII EIO	OIL.	17111 4. <u>00</u> 1		1017 O.C. <u>10</u> 1	
4 10/ 1					
1. Work cor	mpleted today by su	bcontractor:			
	subcontractor, USA		ne vegetation remov	val from Area 1	8D and
began veget	ation removal from	DSA #2,			
2. Work cor	mpleted today by Qo	C inspection sta	iff:		
Follow on In	spection DFOW Mo	obilization and S	Site Setup (Surface	Clearance Cre	ws)
	•				•
0 All		: : (I- \A/ I	DI	-0	
	erformed in conform	nance with worl	k Plan requirements	s? Yes	
If not, explai	n:				
	ormances/deficienci				
•	emoval subcontract				•
	bcontractor will prov	ride an AHA for	this activity prior to	any mechanize	ed vegetation
removal.					
5. Comment	ç.				
o. Common	<u>.                                    </u>				

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

## 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	
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 Cle	earance 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	
2 2 2 2	
INSPECTIONS PERFORMED & WHO PERFO	DRMED TEST
personnel. All personnel were briefed and	afety conducted site-specific training with all newly mobilized d familiarized with the Work Plan, the APP, AHAs and MEC needed, as new personnel, visitors, and/or subcontractors
Michala Milke	11-05-2013
Project QC Specialist	Date

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

MAY 2021

### ALIONILIII

. -4: PRE-TASK SAFETY PLAN

Project: RARITAN AR	SENAL Location: RARITAN	NJ Date: 11/5/13
Supervisor: CHRIS Ro	56	Job Activity: Veg relut
Task Personnel:		) Veg Cocci
See Affact	sed Sheets	Clevina
	- - -	
10 / BUSCA!		ACUAL (BRUSH SAWS, CHAINSAWS
Tools/Equipment required for power tools, hand tools): Very ARGO/BORGAT	r Tasks, (ladders, scaffolds, fall pr Kemount lgwirmen	otection, cranes/rigging, heavy equipment,
otential H&S Hazards, includately apply and review exposures a	ding chemical, physical, safety, bits they will be encountered in the	ological and environmental (Check all that e tasks above):
Chemical burns/contact	Trench, excavations, cave-ins	Ergonomics
Pressurized lines/equipment	<u></u> ✓Overexertion	Chemical splash
Thermal burns	✓Pinch points	plants/insects
Electrical	✓ Cuts/abrasions	Eye hazards/flying projectile
✓ Weather conditions	✓ Spills	Inhalation hazard
Heights/fall> 6'	Overhead Electrical hazards	Heat stress
Noise	Elevated loads	Water/drowning hazard
Explosion/fire	Slips, trip and falls	Heavy equipment
Radiation	Manual lifting	Aerial lifts/platforms
_ Confined space entry	Welding/cutting	Demolition
Other Potential Hazards (Desc		

#### CH2MHILL

F-4: PRE-TASK SAFETY PLAN Hazard Control Measures (Check all that apply): Protective Systems Fire Protection Electrical Thermal/lined ✓ Fire extinguishers \_\_ Sloping \_\_ Lockout/tag out <u>√</u>Eye Shoring Fire watch \_\_ Grounded Dermal/hand \_\_ Trench box Non-spark tools \_\_ Panels covered Hearing \_\_ Barricades \_\_ Grounding/bonding GFCI/extension cords \_\_i\_Respiratory Competent person \_\_ Intrinsically safe equipment Power tools/cord inspected Locate buried utilities Flotation device Daily inspections Fall Protection Air Monitoring Proper Equipment Welding & Cutting \_\_ Harness/lanyards \_\_ PID/FID Aerial lift/ladders/scaffolds Cylinders secured/capped \_\_ Adequate anchorage \_\_ Detector tubes Forklift/ Heavy equipment Cylinders separated/upright \_\_ Guardrail system \_\_ Radiation Backup alarms \_\_ Flash-back arrestors \_\_ Covered opening Personnel sampling ✓ Hand/power tools No cylinders in CSE \_\_ Fixed barricades LEL/O2 \_ Crane w/current inspection \_\_ Flame retardant clothing \_\_ Warning system Other Proper rigging \_\_ Appropriate goggles Operator qualified Confined Space Entry Medical/ER Heat/Cold Stress Vehicle/Traffic \_\_ Isolation ✓ First-aid kit ✓ Work/rest regime ✓ Traffic control \_\_ Air monitoring Eye wash Rest area Barricades \_\_ Trained personnel FA-CPR trained Liquids available \_\_ Flags personnel \_\_ Permit completed Monitoring \_ Signs Route to hospital Rescue Training Permits Demolition Inspections: Training: \_\_ Hot work Pre-demolition survey √ Hazwaste

Construction

Hazcom

Competent person

Task-specific (THA)

Supervisor signature:

\_ Confined space

\_\_ Lockout/tag out

\_ Energized work

\_ Excavation

\_\_ Demolition

Field Notes:

\_ Structure condition

\_\_ Isolate area/utilities

\_Competent person

\_ Hazmat present

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet  Today's Date: 11-5-13							
Name (primed)							
MAMALUO	Signature	Company					
	William	CHQMITILL					
STENE THOMAS SEFF VANDENLORT		USAE					
Michael Golluscio		CISAE					
chales M. Vand	m	USAE					
Jeff ( )	chappy of Van	USHE					
Rubin Morra	18/5	USAZ					
John Baird	the of	USAE					
	De Mill	4525					
Jason McCoi		USAE					
Jom Egbert	Joe	USAF					
Warne manthey	3 Marley	45AE					
KELAN HAMMOND	7/1/2	USAE					
CHRISTOPHER STACK	Must Control	USAE					
	SA PS	USAE					
Dootin Con	A Dist	USAE					
Jody File	17-1te	USAE					
BART Belcher	Sout Wall						
The Tolora	hi o	USBE					
States Royalty	Day Red &	C3545					
MIKE BEALER	Moreon	ce sole					
Robert Wallace		USAE					
Angelo Palverento	angelo Palverento	USAE					
Jarre Black	ANCONEO .	USAE					
Rick Moyer	8.60	USAF					
Paul Schnidt	Jell gar	USAE					
SCOTT BAKER	ASE	USAE					
RICK ROBALINGE	- Comment of the comm	USAE					
Elyards George	Africa Comment	USAE					
Chric Rose	- Vulia	45098					
I'M MARSHALL	mus 11	CHZM					
Jonatha Waldon	The self	CHZM					
1/ //	A CALL CANCILL						

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: 11-5-13

	Today's Date: 11-5	-13
Name (printed)	Signature	Company
Matthew Fessell	7//	USAF
Pyl R Junct	TERLET	USHE
CHRIS DERIVARIO	the state of the s	USAE
RICHARD COBLE	Qualle.	USAE
Dee Clark	Tele Clark	USAE
Desse Norman	Gra Mu	USAE
Brown, Kenneth	17200	USAE
Massey. Kevin		USAE
Massey. Kesin Matter Phil Mike Watson	THE	USAE
Dille Watson	24	USAS
Payred Whee liles	Il will	USAS
- Auby GASOND	ABASCIB	CHRINHOL
Mark Control of the C	·	

<b>CH2MHILL</b>

# 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 1 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

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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

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Rental Van	Ford 12 PX	1	61
Rental Van	Ford 12 PX	2	22
Rental Van	Ford 12 PX	3	22
Crew Cab Pick Up	Ford 350	Brush	22
Extended Cab Pick Up	Ford 150	SUXOS	28
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 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		

#### **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.

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# CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal			REPORT NO:		013		
CONTRACT NU	MBER:	W912DY-09-D-0060			REPORT DATE	B:	11/6/13		
REVISION NUM	N NUMBER: 1			REVISION DA	ГЕ:	10/30/13			
TASK ORDER NUMBER: 00					PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ		
PROJECT NUM	PROJECT NUMBER: 427		427946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MAN	IAGER:	Mark C	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:			SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Cold, partly cloudy	y	PM WEATHER:	Cool, was	rming, partly	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

WORLD CONTINUE SOCIALITIES			
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	
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL	

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

WORK AND/OR TE	STS ACCO	OMPLISHED OR IN PROGRESS					
		Daily Tailgate, PTSP, field and equipment inspectio	ns, Veg. clearing in A	rea 10 and D	SA 2.		
Planned Work / Test for	or Tomorrow	w: Veg. clearance / reduction, Aquatic DGM					
Planned Work / Test for	or Nevt Wee	ek: Boundary and transect flagging, Aquatic DGM, V	legetation clearance/ re	eduction			
Trained Work / Test iv	or real wee	or. Boundary and transect magging, Aquatic Bolvi, v	egetation elearance/ re	auction			
CHANGED CONDIT	TIONS/DEL	LAY/CONFLICTS ENCOUNTERED (List any con	nflicts with the project	[i.e., scope of	of work and/or drawing	s], delays to the	
project attributable to		ther conditions, etc.):  A Environmental daily production / veg. clearance	o ratos Equipment or	ncita not ada	oguata ar canabla of f	actor paced year	
clearing.	lated to CD2	A Environmental daily production / veg. cicarane	c rates. Equipment of	isic not auc	equate of capable of is	asici paccu veg.	
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for det	tails on site visitors, d	liscussions a	nd meeting held.		
		QUALITY CONTRO	OL REPORT				
MATERIALS DELI	VERED TO		M-1 /M - d-1/M		Massial Las	I	
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	luracturer	Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp	pected	Inspection Performed			Findings		
Schonsted inspec	ction	Daily/Serviceability		Pass			
GPS Equipme	ent	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability			Pass		
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki	t	Monthly			Pass		
Bob Cat / ARC	GO	Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME		T		1			
	Task/Activity Tested Test Performed Test Results (Pass/Fail) - Cr						
GPS equipme	11t	Function and accuracy test  QC check			Pass Pass		
Schonsted							
Site communication/ R	adio	Radio Check			Pass		

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-150

QUALITY I	SSUES AND RI	ESOLUTIONS: n	one							
			SUB	MITTALS INSPECTION	/ REVIEV	V				
Submittal N	o. Submit Descrip		Specification	Plan Reference	Submi	ttal A <sub>l</sub>	pproved?		Comment/Reas	on/Action
NA					Yes		No 🗌			
					Yes		No 🗌			
					Yes		No 🗌			
					Yes		No 🗌			
	•	1								
				ULATORY COMPLIANC	E REPOR	RT				
PERMIT IN	SPECTIONS P	ERFORMED: NA	<b>L</b>							
		V	VASTE ACCU	MULATION/STOCKPILE	AREA IN	NSPE	CTION			
Inspection Pe	erformed By:	NA		Signature of	Signature of Inspector: NA					
Accumulatio Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA	No of Roll	-Off Boxe	es:	NA		No. of Drums	NA
Inspection R	esults: NA	•	•				•			•
				GENERAL COMMEN	TS					
General Com	ments~ (rework,	directives, etc.): S	ee attached.							
				ATTACHMENTS						
	photographs, etc			ing minutes, safety meeting UXO Safety Brief, Daily PT						
portions or do	esignate as "not a e on each comple	oly in ink. Line out applicable". Prepar ted daily report. T	er signs first his form may	Jonathar	n Waldron					11/6/13
be illied out	electronically and	d signed electronica	my.	PREPAR	ER'S SIGNA	TURE				DATE

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_				ATTENDIXT - D	,, (IL I	INEI OINTO					
CH2M HILL	CONTRACTOR PRODUCTION REPORT PRINCEN NO									2013	
W912DY-09-D-00	60	(ATTACH ADDITIONAL SHEETS IF NECESSARY)									
ame ve eee		(ATTACH ADDITIONAL SHEETS IF NECESSARY)  PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS						-	ON DATE:		
CTO NO: 003		OJECT NAME	T		enal –	RI/FS	l		٠	Γ NO: 013	
PROJECT NO: 42°			1	XOS: Chris Rose			<b>-</b>	Jim Mill	er	UXOQCS: Mike M	1alko
AM WEATHER: Partly	cloudy/ cold	d	PM	WEATHER: Partly cloudy / mild			MAX TEN	ИР: 62 °F		MIN TEMP: 42 °F	
				SUMMARY OF WORK							
Vegetation reduction op reduction was complete			nately 8	0% of DSA2 vegetation reduction	n was	completed. Trans	sects comple	ted in DSA	2: 1 and 8. Ap	proximately 30% of ve	getation
The NAEVA host crew	completed se	et up of the side s	can ea	uipment and will be ready to put	into th	ne water tomorrou	v				
	-	-	_								
The survey of transects time to complete vegeta			day, 11	November and terrestrial DGM	to Th	ırsday, 14 Novem	iber. These to	ask were pı	ished back due	to the longer than anti	cipated
								momu		oving ovi von g	
	Was A Job	Safety Meetin	g Helo	l This Date?			☐ No			OURS ON JOB SI ling Continuation Sh	
/	Were there	any lost-time	accide	nts this date?						_	
/	(If Yes, attac	ch copy of compl	eted O	SHA report)		☐ Yes	⊠ No	CH2M	HILL On-Si	te Hours	47
		nfined Space Er ch copy of each p		rmit Administered This Date	?	☐ Yes	⊠ No	Subcon	tractor On-S	ite Hours	348
	Were Cran	ne/ Man-lift/ Tro	enchin	g/ Scaffold/ HV Electric/Hig	h			Total C	n-Site Hou	rs This Date	395
$\sim$	Work/ HAZ	ZMAT Work I	Oone?	showing inspection performed)		☐ Yes	⊠ No	Cumula	tive Total of	Work Hours	1000
\									revious Rep		1000
				Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No	Total W Constru		From Start of	1395
SAFETY ACTIONS	S TAKEN	TODAY/SAF	ETY I	NSPECTIONS CONDUCT	ED (	Include safety	violations,	correctiv	e instruction	s given, corrective d	actions
taken, and results of	f safety insp	pections condu	cted):	Daily safety briefing; equipment	t inspe	ections					
EQUIPMENT/MATE	RIAL RECI	EIVED TODAY	TO BI	E INCORPORATED IN JOB				1			
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED				MAKE/ MODEL/ EQUIPMENT MANUFACTURER NUMBE					PECTION ORMED BY	NUMBER/ VO WEIGH	
RECEIVED								ORGALED B1			
EQUIPMENT USED	ON IOR SIT	TE TODAY									
									N	UMBER OF HOURS	
EQUIPMENT	T DESCRIPT	TION	EQ	UIPMENT MAKE/MODEL SAFETY CHECK PI		PERFORMED BY		USED	IDLE	REPAIR	
(	GPS			Trimble Geo XH Chris R		Rose		9	0		
Utility	y Vehicle			Argo		Mike N	Malko		9	0	
Tı	railer			Leonard		Mike N	e Malko			0	
(	GPS			Trimble Geo XH		Mike N	Malko		9	0	
Pick-t	up Truck			Dodge Ram 1500		Jonathan \	Jonathan Waldron			0	
Pick-	-up truck			Chevrolet Silverado		Mike N	Mike Malko		9	0	
S	SUV			Ford Edge		Chris 1	Chris Rose		9	0	
S	SUV			Ford Edge		Jim Ma			9	0	
<u> </u>	Car			Ford Fusion		Andy G			9	0	
Office	e Trailer			ModSpace		Jonathan V			9	0	
	nerator			Ingersol Rand		Chris 1		aldron		0	
	ble toilet			Satellite Industries		Chris			9	0	
rottatie tottet Satema Andrew Volden											
-	y Vehicle			Bobcat EZDumper		Jonathan <sup>1</sup>			9	0	
	railer	V/COMET TOTAL	e Exter	•	ate ···			500m2 - F			o the
				OUNTERED (List any conflice.): Vegetation reduction is to							
surveying and DGM	has been p			g is now scheduled to resum						-	
VISITORS TO THE S	SITE:										
LIST OF ATTACHMEN	NTS (OSHA	A report, confin	ied spo	ace entry permit, incident rep	ports,	etc.):					

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO	DDUCTION REAL SHEETS IF NECESSARY)	PORT		DATE OF REPORT: 11/06/20 REVISION NO: REVISION DATE:	)13	
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	n Arsenal – RI/FS			REPORT NO: 013		
	WORK	PERFORMED TODAY					
EMPLOYEE	WORK PERFORMED		MPLOYER	EMPLOYEE NUMBER	E TITLE/TRADE	HRS	
Chris Rose	Subcontractor oversight	CF	H2M HILL		SUXOS	9	
Mike Malko	Subcontractor oversight	CH	H2M HILL		UXOQCS	10	
Jim Marshall	Subcontractor oversight	CH	H2M HILL		UXOSO	9	
Jonathan Waldron	Subcontractor oversight	CF	H2M HILL		SSHO	10	
Andy Gascho	Subcontractor oversight	CF	H2M HILL		Project Geophysicist	9	
						+	
						1	
						+	
						+	
						+	
						+	
						<u> </u>	
						+	
	INCLUDE ALL PERSONNEL WORK	HOURS IN THE TOTAL W	ORK HOURS	ON JOB SITE			
SAFETY REQUI	REMENTS HAVE BEEN MET	Chr	is Ros	<u>s</u>	11/06/13		
	•	SUPERINTEN	DENT'S SIGN	JATURE	DATE		

Project. RI/FS Former Raritan Arsenal	Date: 11/06/2013
LOCATION OF WORK: DSA #3, Area 12 Site Trailer (EPA Con	npound)
DESCRIPTION OF WORK: Mobilization and Site Setup, Transe	ect layout and marking
WEATHER: ⊠(CLEAR) □(FOG) □(P.CLOUDY)	☐(RAIN) ☐(WINDY)
TEMPERATURE: MIN: 39 °F	MAX: <u>51</u> °F
Work completed today by subcontractor:	
CH2M Hill's subcontractor, USAE, continued the vegetation remove	al 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	th Work Plan APP and SOPS.
Blind Seeds were placed in Area 18D and DSA #2 in preparation o	f the Surface Clearance.
3. All work performed in conformance with Work Plan requirements	s? Yes
If not, explain:	7. 100
4. Non-conformances/deficiencies reported:	
None	
5. Comments:	
.Vegitation removal is progressing at a rate slower than expected. and the use of hand tools vice a mechanized approach will delay t	• •
CERTIFICATION: I certify that the a correct and that I, or my representate identified on this report and have destroyled and belief that noted wo with work plans and specifications, above.	tive, have inspected all work stermined to the best of my rk activities are in compliance except as may be noted

Project QC Specialist

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-155

# ALIONALIII

## -4: PRE-TASK SAFETY PLAN

	ENAL Location: RARMAN	NJ Date: 1/-6-13
Supervisor: CHRIS K	ose	Job Activity:
Task Personnel:		
	_	
	_	·
T		-
List Tasks: MANUAL Veg	GETATION REMOVAL	
NAEVA MO	BIN	
Tools/Equipment required fo	r Tasks, (ladders, scaffolds, fall pr	rotection, cranes/rigging, heavy equipment,
power tools, hand tools): CH	AIN / BRUSH SAWS	rotection, cranes, figging, neavy equipment,
otential H&S Hazards, include	ding chemical physical safety bi	ological and environmental (Check all that
apply and review exposures a	as they will be encountered in th	ological and environmental (Check all that e tasks above).
Chemical burns/contact	Trench, excavations, cave-	
Contact	ins	Ergonomics
Pressurized	Overexertion	Chemical splash
lines/equipment		Chemical spiasii
Thermal burns	_Pinch points	plants/insects
Electrical	Cuts/abrasions	Eye hazards/flying projectile
Weather conditions	_ Spills	_Inhalation hazard
_Heights/fall>6'	Overhead Electrical	✓ Heat stress
	hazards	
Noise	Elevated loads	Water/drowning hazard
Explosion/fire	Slips, trip and falls	✓ Heavy equipment
Radiation	Manual lifting	Aerial lifts/platforms
Confined space entry	Welding/cutting	Demolition
Other Potential Hazards (Desc		- Januariori
	,	- 112
THIS PARE	TLY Cloudy, WIND	SMPH, HIGH 647

# CH2MHILL

## F-4: PRE-TASK SAFETY PLAN

Hazard Control Meas	sures (Check all that appl	y):	
PPEThermal/linedEyeDermal/handHearingRespiratoryReflective vestsFlotation device Fall ProtectionHarness/lanyardsAdequate anchorageGuardrail systemCovered openingFixed barricadesWarning system  Confined Space EntryIsolationAir monitoringTrained personnelPermit completedRescue	Protective Systems  Sloping Shoring Trench box Barricades Competent person Locate buried utilities Daily inspections  Air Monitoring PID/FID Detector tubes Radiation Personnel sampling LEL/O2 Other  Medical/ER First-aid kit Eye wash FA-CPR trained personnel Route to hospital	Fire Protection  Fire extinguishers  Fire watch  Non-spark tools  Grounding/bonding  Intrinsically safe equipment  Proper Equipment  Aerial lift/ladders/scaffolds  Forklift/ Heavy equipment  Backup alarms  Hand/power tools  Crane w/current inspection  Proper rigging  Operator qualified  Heat/Cold Stress  Work/rest regime  Rest area  Liquids available  Monitoring  Training	Electrical Lockout/tag outGroundedPanels coveredGFCI/extension cordsPower tools/cord inspected  Welding & CuttingCylinders secured/cappedCylinders separated/uprightFlash-back arrestorsNo cylinders in CSEFlame retardant clothingAppropriate goggles  Vehicle/TrafficTraffic controlBarricadesFlagsSigns
Permits  Hot work  Confined space  Lockout/tag out  Excavation  Demolition  Energized work  Field Notes:	Demolition  Pre-demolition survey Structure condition Isolate area/utilities Competent person Hazmat present	Inspections:	Training:  Hazwaste Construction Competent person Task-specific (THA) Hazcom

Supervisor signature:

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: 11-06-13

Name (printed)	Signature	Company
JIM MARCHALL	Mulash, Ill.	CHAM
MA MALKO	min	
Chris Rose	Chris Pers	CH2M KIG
David Wheeldon	24/1 Mm	CHEM HILL
STEWE THOMAS	And Section 5	U5.48
Mike Watson	-24-012	USAE
Jesse Norme	Jan Mas I	USAR
Jeff Sallivan	all A	USAE
RICK ROBALINER	190	USAE
Paul Schmidt	9/1/2/1/	USAE
Dee Clark	Dee Clark	USAE
MIKE BEALER	WBlue la	USLE
JAMES Royalts	Ogres Royal ty	USAE
John Capao	Alla.	USAE
ScOT BAKER	THE	USAE
Ew R Vince		USAE
Boun, Kenneth	GRE	USAE
Rily	and of	USAE
Rick Mayor Joseph Agner	Rich you	USAF
Philmatter	1215	USAF
Angelo Palverento TI	me de la companya della companya del	USAE
Jody Fite	pselo Palverento	USAE
Robert Wallace	14 Va	USDE
	The whole	USAE
charles of Vard	chet as M Wand	USHE .
John Charle Collas CIO	m	USAE.
Matt Ferrell	11/2	
EDWARDS, GW	Augen	USAE.
CHETS BARNHAD &	A. Carrier and A. Car	USAG.
Dohn Baird		VIAR
Nobin Morgan		USIF
KELAN HAMMOND .	11111-11	ISAE
		45AE

Former Raritan A	Arsenal Health and Safety Da Today's Date: //- 4	aily Sign-in Sheet
Name (printed)  Sustin Cay	Signature	
PICHARIO COBLE  Jon Esbart  Joe De Loiza	Don Ch	USAE USAE
John Massey John Black Chris Stuck	Jalu Salu Salu Salu Salu Salu Salu Salu S	USAF USAF USAF
BART Beloner (	Bux man	USAF USAE USAE
Nason McCoic Nayne Manthey Rick May	my Marty	CHZM HIU VSA+ usA E
Wike BEALLS WOR MALLS		STAPE No.
ANDY GARGED	A Corp	CH2M HILL

<b>CH2MHILL</b>

# 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 1 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

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

MAY 2021

TEC III Matter, Phillip	8	8
TEC II Vance, Earl	8	8
TEC II Capano, John	0	8
TEC II Brown, Kenneth	8	8
TEC II Coble, Richard	8	8
TEC II Massey, Kevin	8	8
TEC II Watson, Michael	8	8
TEC II Bernard, Christopher	8	8
TEC II Clark, Denise	8	8
TEC II Wheeldon, David	8	8
TEC II Norman, Jesse	8	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	22
Rental Van	Ford 12 PX	2	22
Rental Van	Ford 12 PX	3	22
Crew Cab Pick Up	Ford 350	Brush	22
Extended Cab Pick Up	Ford 150	SUXOS	65
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 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		

#### **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.

F-162

CH2MHILL		ONTRACTOR DAI EVA Geophysical		
CONTRACT NAME:		REPOR	RT NO:	
CONTRACT NUMBER:	W912DY-09-D-0	0060 REPOR	RT DATE:	DE NOVEMBER 201
TASK ORDER NUMBER:	003	PROJE	CT NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJE	CT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	KAREN LEMLE	EY FIELD	TEAM LEADER	PETER JUMP
		SUMMARY OF WORK PEI	RFORMED TODAY	
PHILLE STORAGE  APPENDED STORA	AND PO TE BASS E AND F PARCE L ABVA	WER POWTS MONUMENT PURCHASE BON BOAT FOR SIDE FOR SIDE	S AT PANYPACC SCAN SURVEY. 4y CON	ESS POINT. ESTABLISH AND QC NTROL POINTS.
Company/ Employee Nar	me	Contact Number/ Information	Cumulative Total of Wo	
NAEVA/ PETER JUMP		434.825.2814/ GEO	20	20
3DGEOPHYSICS/ BRIAN HERRIE	OGE	612.889.9520/ GEO	100	10
3DGEOPHYSICS/ ERIK KITT		612.791.0335/ GEO	10	10
3DGEOPHYSICS/ GREG SLETTE	N	218.760.7246/ GEO	20	IØ
EQUIPMENT ON HAND				
Description of Equipmen	nt	Make/Model/Manufacturer	Equipment ID Number	er Miles/Hours for day (If Applicable)



# CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		014		
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	B:	11/7/13		
REVISION NUM	MBER:	1			REVISION DA	ГЕ:	10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inves	stigation	
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris Ro	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
AM WEATHER:	Mild, partly cloudy	y	PM WEATHER:	Mild, Ove	*	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

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
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL

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

WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS				
Performed Work / Tes	t for Today:	Daily Tailgate, PTSP, field and equipment inspection	s, Veg. clearing in DS	SA 2, DSA 1	, and Aquatic DGM in	Area 12 and 13
Planned Work / Test fo	or Tomorrow	v: Veg. clearance / reduction, Aquatic DGM				
Planned Work / Test for	or Next Wee	k: Aquatic DGM, Vegetation clearance/ reduction				
project attributable to	site and weat	LAY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): A Environmental daily production / veg. clearance				
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.	
		QUALITY CONTROL				
MATERIALS DELI	VERED TO					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
		See Attached				
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				1
INSPECTIONS PER	FORMED					
Task/Activity Insp	pected	Inspection Performed			Findings	
Schonsted inspec	ction	Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguish	ners	Monthly			Pass	
First Aid Ki	t	Monthly			Pass	
Bob Cat / ARC	GO	Daily/Weekly			Pass	
Field Vehicle	es	Daily/Weekly			Pass	
TESTS PERFORME	<b>D</b>					
Task/Activity Te	ested	Test Performed		,	Test Results (Pass/Fail)	) - Criteria
GPS equipme	ent	Function and accuracy test			Pass	
Schonsted		QC check	_		Pass	
Site communication/ R	Radio	Radio Check			Pass	

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QUALITY I	SSUES AND RI	ESOLUTIONS: no	one									
			SUBM	IITTALS INSP	PECTION / F	REVII	ΞW					
Submittal N	o. Submit		Specification/Pl	lan Reference		Subi	nittal A	pprove	ed?	(	Comment/Reas	on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
			REGUI	LATORY CON	MPLIANCE	REPO	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		v	ASTE ACCUM	III ATION/ST	OCKDII E A	DEA	INCDE	CTIO	N			
Inspection Pe	rformed Ry:	NA NA	ASTE ACCUM		Signature of			NA				
Accumulation		NA			Signature of	шэрсс		11/1				
Stockpile Are		1171										
No of Containers:	NA	No of Tanks	NA		No of Roll-C	off Bo	xes:	NA		N	o. of Drums	NA
Inspection Re	sults: NA	•		•						•		•
				GENERAL (	COMMENTS	S						
General Com	ments~ (rework,	directives, etc.): N	AEVA terrestrial				d back o	due to	poor pro	oduction	rates from USA	Environmental
and their veg	etation reduction	teams.							-			
				ATTACI	HMENTS							
	photographs, etc	les, as applicable: s .): Daily Production										
		oly in ink. Line out			Jonathan V	Valdro	on					11/7/13
and last name	on each comple	ted daily report. The signed electronical	nis form may		PREPARER	's sich	JATTIDE					DATE
					FILLLAKEK	o ordr	MIUKE					DATE

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CH2M HILL W912DY-09-D-0060	СО		RACTOR PRODU			ORT		REVISIO	F REPORT: 11/0 ON NO: ON DATE:	7/2013
CTO NO: 003	PROJECT NAME	/LOC	ATION: Former Raritan Ars	enal –	- RI/FS			REPORT	NO: 014	
PROJECT NO: 42794	6	SU	XOS: Chris Rose			UXOSO:	Jim Mill	er	UXOQCS: Mike	Malko
AM WEATHER: Cloudy, r	ain / mild	PM	WEATHER: Cloudy, rain / mild			MAX TEN	ИР: 66 °F	1	MIN TEMP: 60 °	F
			SUMMARY OF WOR	К РЕ	RFORMED TO	ODAY		•		
Approximately 20% of D	SA2 vegetation reduction SA1 vegetation reduction	was co	ompleted. Transects completed in ompleted. in Area 10. Transects							
Transect surface sweep star	ted in Area 18D and DSA	.2.								
The NAEVA boat crew con	npleted side scan sonar op	peration	s.							
An evening public meeting	was held at the Sayreville	, NJ Bo	orough Hall.							
Wa	s A Job Safety Meetin	ıg Held	d This Date?		⊠ Yes	□ No			OURS ON JOB ing Continuation	
/ \	re there any lost-time Yes, attach copy of comp	leted O	SHA report)	2	Yes	⊠ No	CH2M	HILL On-Sit	e Hours	48
	s a Confined Space E Yes, attach copy of each p		ermit Administered This Date	e?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	336
Ne We			ng/ Scaffold/ HV Electric/Hig	oh.			Total (	n-Site Hour	rs This Date	384
Wo (If	rk/ HAZMAT Work l	Oone?	t showing inspection performed)		☐ Yes	⊠ No		utive Total of Previous Repo		1395
	s Hazardous Material Yes, attach description of		Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No	Total W Constru	ork Hours Fraction	rom Start of	1779
			NSPECTIONS CONDUCTOR Daily safety briefing; equipmen			violations,	correctiv	e instruction:	s given, correctiv	e actions
EQUIPMENT/MATERIA	L RECEIVED TODAY	TO B	E INCORPORATED IN JOB		•					
	QUIPMENT/MATERIAI EIVED	_	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION ORMED BY	NUMBER/ WEI	
EQUIPMENT USED ON	JOB SITE TODAY.						I	N	UMBER OF HOUF	c
EQUIPMENT DE	SCRIPTION	EQ	UIPMENT MAKE/MODEL	S	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
GPS			Trimble Geo XH		Chris	Rose		8	0	KEI AIK
Utility Ve	hicle		Argo		Mike N	Malko		0	8	
Traile			Leonard		Mike N	Malko		0	8	
GPS			Trimble Geo XH		Mike N	Malko		8	0	
Pick-up T	ruck		Dodge Ram 1500		Jonathan '	Waldron		8	0	
Pick-up t	ruck		Chevrolet Silverado		Mike N	Malko		8	0	
SUV			Ford Edge		Chris	Rose		8	0	
SUV			Ford Edge		Jim Ma			8	0	
Car			Ford Fusion		Andy C			8	0	
Office Tr	ailer		ModSpace		Jonathan Jonathan			8	0	
Genera			Ingersol Rand		Chris			9	0	
Portable t			Satellite Industries		Chris			9	0	
Portable t			Satellite Industries		Jonathan '			8	0	
Utility Ve			Bobcat		Jonathan '			8	0	
Traile		CENC	EZDumper	ata :			saon a af			to the
project attributable to site	and weather condition	ons, etc		cis wi	un ine delivery	oraer [i.e.,	scope of	work ana/or (	arawings], aelay:	s to the
VISITORS TO THE SITE			, USACE-H							

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO				DATE OF REPORT: 11/07/20 REVISION NO: REVISION DATE:	)13
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	n Arsenal – RI/FS			REPORT NO: 014	
	WORK	PERFORMED TO	DAY			
EMPLOYEE	WORK PERFORMED		EMPLOYER	EMPLOYER NUMBER		HRS
Chris Rose	Subcontractor oversight		CH2M HILL		SUXOS	9
Mike Malko	Subcontractor oversight		CH2M HILL		UXOQCS	8
Jim Marshall	Subcontractor oversight		CH2M HILL		UXOSO	8
Jonathan Waldron	Subcontractor oversight		CH2M HILL		SSHO	8
Andy Gascho	Subcontractor oversight		CH2M HILL		Project Geophysicist	8
Mark Callaghan	Project Management		CH2M HILL		PM	7
						1
	INCLUDE ALL PERSONNEL WORK	HOURS IN THE TOTA	AL WORK HOURS	ON JOB SITE	<u> </u>	1
SAFETV DEOLU	REMENTS HAVE BEEN MET		26 - D		11/07/13	
SAFETT REQUI	REMEDIATE DEED MEI 🖂		Mu Kos			
		SUPERIN	ITENDENT'S SIGN	IATURE	DATE	

Project.	RI/FS Former Rarita	ın Arsenal		Date:	11/07/2013
LOCATION		1 DSA #2 Area	2 10 D. Aroo 10		
LOCATION (	JE WORK. DSA#	I, DSA #2 AIE	a 18 D, Area 10		
DECODIDATE		ansect layout a			
DESCRIPTIO	ON OF WORK: Su	rface Clearand	<u>se                                     </u>		
		□( <b>F</b> 00)			INI)
WEATHER:	☐(CLEAR)	☐(FOG)	☐(P.CLOUDY)	•	, —,
TEMPERATI	JRE:	MIN: <u>36</u> °F		MAX:	<u>60</u> °F
4 10/					
1. Work con	npleted today by subo	contractor:			
	subcontractor LICAE	continued the	vogetation remove	l from [	26 42 Area 10 and
	subcontractor, USAE, ation removal from DS		vegetation remova	II II OIII L	JSA #2, Alea TO allu
	rance of Area 18 D w		and is awaiting fina	I QC ch	neck.
	rance of DSA #2 is in		<u> </u>		
	ds were recovered in	•	arance area and re	turned	to the UXOQC.
2. Work con	npleted today by QC i	inspection staf	f :		
UXOQC Monit	ored work practice and	procedures to i	nsure compliance wit	h Work	Plan APP and SOPS.
3. All work pe	erformed in conforma	nce with Work	Plan requirements	? Yes	
If not, explain	n:				
4. Non-confo	rmances/deficiencies	reported:			
•					
None					
5. Comments	S:				
		CERTIFICATIO	NI. I agustifu shaqatla ad		out in an unulate and
			N: I certify that the ab		
		identified on thi	s report and have det	ermined	I to the best of my
			belief that noted work		
		above.	and specifications, e		•
		000 /	Jam		
		"/ beh	as a view	Re	

Project QC Specialist

#### INITIAL PHASE INSPECTION CHECKLIST

Project:	RI/FS Former R	aritan Arsenal	Date: 11/07/2	2013
Title and	d No. of SSWP Section:	3.8.6 Instrument-	aided Surface Clea	ırance
Descript	tion and Location of Work Insp		JSAE was briefed on the e Clearance.	SSWP ESS and
A.	Key Personnel Present:			
	<u>Name</u>	Pos	<u>ition</u>	Company
	Michael A Malko	UXOQC	CH2M I	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	
В.		trict compliance with the conti	ract plans and specifications:	⊠Yes □No
	If not, explain:	a taatad and farrad to ba	on a rational	
-	All magnetometers were	e tested and found to be	operational.	
C.		ds witnessed are in strict compliar	nce with the contract specifications	s:⊠Yes □No
	If not, explain:			
D.	Workmanship is acceptable:			⊠Yes □No
	State where improvement is	needed:		
E.	Workmanship is free of safet	y violations:		⊠Yes □No
	If no, corrective action taken:			

Michala Milkon

MICHAEL A MALKO

Project Quality Control Specialist

# 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	
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
,	<u> </u>
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	
Time (Mase)	
INSPECTIONS PERFORMED & WHO PERFO	RMED TEST
•	d with the Work Plan, the APP, AHAs and MEC SOPs.
	lacement of blind seeds such that each member of sweep
	mum of one QC seed per day. UXOQC will conduct process
and procedure integrity checks during swe	ep operations, at least once per day,
000 1 10 000 11	44.0= 2042
Michaela Milkon	11-07-2013
Project QC Specialist	Date

# AUDMUIII

. -4: PRE-TASK SAFETY PLAN

Project: RARITAN A Supervisor: CHRIS Task Personnel:	Rose	Date: //- 7 -/ 3 Job Activity:
ist Tasks: MANUAL	MECH Veg Remov	(1)
BOATING O	PERATIONS	N Com
ools/Equipment required for	or Tacks (ladd	
ower tools, hand tools):	of Tasks, (ladders, scaffolds, fall p	rotection, cranes/rigging, heavy equipme
10010).	1.10 - 1.10 11 11 11 11 11 11 11 11 11 11 11 11 1	200 Sileavy eullinme
	00/00/10	MENDICHAIN/BRUSHSMO
	wjeujie	protection, cranes/rigging, heavy equipme てんといる。これれいりBRUSHSRO
otential H&S Hazards, inclu	ding chamical 1	
otential H&S Hazards, inclu	ding chamical 1	
otential H&S Hazards, inclu pply and review exposures	ding chemical, physical, safety, bi	
otential H&S Hazards, inclu pply and review exposures	ding chemical, physical, safety, bi as they will be encountered in th Trench, excavations, cave-	
otential H&S Hazards, incluply and review exposures and Chemical burns/contact	ding chemical, physical, safety, bi as they will be encountered in thTrench, excavations, cave- ins	iological and environmental (Check all the tasks above):
ptential H&S Hazards, incluply and review exposures and Chemical burns/contact	ding chemical, physical, safety, bi as they will be encountered in th Trench, excavations, cave-	iological and environmental (Check all the tasks above): Ergonomics
otential H&S Hazards, inclusively and review exposures and Chemical burns/contact essurized es/equipment	ding chemical, physical, safety, bias they will be encountered in the Trench, excavations, caveins  Overexertion	iological and environmental (Check all the tasks above):
otential H&S Hazards, incluingly and review exposures and Chemical burns/contact essurized es/equipment Thermal burns	ding chemical, physical, safety, bi as they will be encountered in the Trench, excavations, caveins Overexertion	iological and environmental (Check all the tasks above): Ergonomics  Chemical splash
otential H&S Hazards, incluiply and review exposures at Chemical burns/contact essurized es/equipment Thermal burns Electrical	ding chemical, physical, safety, bias they will be encountered in the Trench, excavations, caveins  Overexertion	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects
otential H&S Hazards, inclu	ding chemical, physical, safety, bi as they will be encountered in the Trench, excavations, caveins Overexertion	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile
otential H&S Hazards, inclusively and review exposures and contact Chemical burns/contact essurized es/equipment Thermal burns Electrical Weather conditions	ding chemical, physical, safety, bit as they will be encountered in theTrench, excavations, caveinsOverexertionPinch pointsValue _	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile Inhalation hazard
otential H&S Hazards, inclusively and review exposures and contact Chemical burns/contact essurized es/equipment Thermal burns Electrical Weather conditions	ding chemical, physical, safety, bi as they will be encountered in the Trench, excavations, caveins Overexertion Pinch points Cuts/abrasions	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile
otential H&S Hazards, inclusively and review exposures at Chemical burns/contact  essurized es/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall> 6'	ding chemical, physical, safety, bi as they will be encountered in the Trench, excavations, caveins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile Inhalation hazard Heat stress
otential H&S Hazards, inclusively and review exposures at Chemical burns/contact essurized es/equipment Thermal burns Electrical Weather conditions Heights/fall> 6'	ding chemical, physical, safety, bit as they will be encountered in theTrench, excavations, caveinsOverexertionPinch pointsVouts/abrasionsSpillsOverhead Electrical hazardsElevated loads	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile Inhalation hazard Heat stress Water/drowning hazard
otential H&S Hazards, inclusively and review exposures at Chemical burns/contact  essurized es/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall> 6'  Toise  Explosion/fire	ding chemical, physical, safety, bit as they will be encountered in the Trench, excavations, caveins Overexertion Pinch points Spills Overhead Electrical hazards Elevated loads Slips, trip and falls	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile Inhalation hazard Heat stress Water/drowning hazard Heavy equipment
otential H&S Hazards, inclusively and review exposures and Chemical burns/contact essurized essequipment Thermal burns Electrical	ding chemical, physical, safety, bit as they will be encountered in theTrench, excavations, caveinsOverexertionPinch pointsVouts/abrasionsSpillsOverhead Electrical hazardsElevated loads	iological and environmental (Check all the tasks above): Ergonomics Chemical splash plants/insects Eye hazards/flying projectile Inhalation hazard Heat stress Water/drowning hazard

# CH2MHILL

#### F-4: PRE-TASK SAFFTY PLAN

PPE	Hazard Control Mea	sures (Check all that app	oly):	
Hot workPre-demolition survey Structure condition Inspections: Hazwaste Construction Isolate area/utilities Competent person	PPEThermal/linedYEyeDermal/handYHearingRespiratoryReflective vestsYElotation device Fall ProtectionHarness/lanyardsAdequate anchorageGuardrail systemCovered openingFixed barricadesWarning system  Confined Space EntryIsolationAir monitoringTrained personnelPermit completed	Protective Systems  Sloping Shoring Trench box Barricades Competent person Locate buried utilities Daily inspections  Air Monitoring PID/FID Detector tubes Radiation Personnel sampling LEL/O2 Other  Medical/ER First-aid kit Eye wash FA-CPR trained personnel	Fire Protection  Fire extinguishers  Fire watch  Non-spark tools  Grounding/bonding  Intrinsically safe equipment  Proper Equipment  Aerial lift/ladders/scaffolds  Forklift/ Heavy equipment  Backup alarms  Hand/power tools  Crane w/current inspection  Proper rigging  Operator qualified  Heat/Cold Stress  Work/rest regime  Rest area  Liquids available  Monitoring	Lockout/tag outGroundedPanels coveredGFCI/extension cordsPower tools/cord inspected  Welding & CuttingCylinders secured/cappedCylinders separated/uprightFlash-back arrestorsNo cylinders in CSEFlame retardant clothingAppropriate goggles  Vehicle/Traffict_Traffic controlBarricadesFlags
Hazmat present Hazcom Hazcom Hazcom	Hot work Confined space Lockout/tag out Excavation Demolition Energized work	Pre-demolition survey Structure condition Isolate area/utilities	Inspections:	Hazwaste Construction Competent person Task-specific (THA)

Supervisor signature:

	. —
-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG	Date: 11-7-13
PARITAN ARS	enal
Project. NAIC LITTLE	
TOPICS DISCUSSED:	
1. weather	
2. sups organ	
3. Heavy equipment	
5. Bosting offs	
6.	
7.	
MEETING CONDUCTED BY: J, MARCH	SIGNATURE: MALLE
MEETING CONDUCTED BY: J, MARCH NA	NG ATTENDEES
	Signature
Name/Company  1. Charles Rose CH2M Hill	11/- R-1
	AANIMA, IL
Mike Malko CH2M Hill	Marina
3. Jim Marshall CH2M Hill	Markely
4. Jonathan Waldron CH2M Hill	Jakacah
5. Andrew Gascho CH2MHILL	A GROLL
6. Joseph Agner USAE	100 Jan
7. John Baird USAE	no Than
Jefferson Baker USAE	ass
Michael Bealer USAE	Willes
10. Bart Belcher USAE	But A Bollin
11. Jacob Black USAE	1 X M
12. Joseph Dalora USAE	1 Cole
13. George Edwards USAE	alline
14. Jody Fite USAE	(13)
15. Justin Gay USAE	
16. Michael Golluscio USAE	2000
17. Kelan Hammond USAE	1/41
18. James Royalty USAE	The Day
19. Paul Schmidt USAE	ames Knaly
20. Christopher Stack USAE	NO STATE OF THE ST
21. Jeffrey Sullivan USAE	Charle the
22. Steve Thomas USAE	MILEN
23. Jeffrey Vandervort USAE	
24. James Royalty USAE	
25. Paul Schmidt USAE	Jomes Joyal &

MEETIN	NG ATTENDEES Signature
Name/Company	
26. Jeffrey Sullivan USAE	
27. Steve Thomas USAE	
28. Jeffrey Vandervort USAE	101 1111
29. Robert Wallace USAE	What White
30. Charles Ward USAE	thatet it wan
31. Michael Watson USAE	Mile alles
32. David Wheeldon USAE	Dalla
33. Matthew Farrell USAE	The same of the sa
34. Earl R Vance USAE	and the same of th
35. Chris Bernard USAE	the
36. Richard Cobel USAE COBLE	alus ved
37. Dee Clark USAE	Jallant
38. Jesse Norman USAE	gryh
39. Kenneth Brown USAE	tokal O
40. Kevin Massey USAE	In
41. Phil Matter USAE	MIM-
42. Ben Dameron NAEVA	
43. Jesse Powers NAEVA	
44. Peter Jump NAEVA	( )
45. Brian Herridge 3Dgeophysics	
46. Erik Kitt 3Dgeophysics	Slate
47. Greg Sletten 3Dgeophysics	Crist Slexy
48. Angelo Palverento III	angelo Palmeento USAE
49. Rick Mayer USAE	Wich my
OU. John Capago USAE	- Illian Ill
Wayne Manthey ust	
RICK ROBALINER US	45 June
Ruba Maga USA	s de fre
Jon Egbert USAR VASON MCCois VSAR	5 Jm K
JASON MCCOIS VSAI	

## **CH2MHILL**

#### F-3: SAFE BEHAVIOR OBSERVATION FORM

S	afe Beha	avior Ob	Observation Form						
☐ Eederal or ☐ Commercial Sector (o	check one)		☐Construction or 忙Consulting (check one)						
Project Number: 427946		Client/Pro	ogram: USACE						
Project Name: Former Roriton									
Position/Title of worker Vcq. Robustical		,	Information/ comments:  Bruh Clearing Trasects						
Task/Observation Observed:	in ter	low	t Reduction						
<ul> <li>Identify and reinforce safe work practices/behavious lidentify and improve on at-risk practices/acts</li> <li>Identify and improve on practices, conditions, cor</li> <li>Proactive PM support facilitates eliminating/reductive, corrective, cooperative, collaborative fee</li> </ul>	ntrols, and co	(do you have	e what you need?)						
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	27	Positive Observations/Safe Work Practices:  Safe Power (1900) Communication, Proper						
Properly trained/qualified/experienced	X		Use of PPE						
Tools/equipment available and adequate		×							
Proper use of tools	X		Questionable Activity/Unsafe Condition Observed:						
Barricades/work zone control	×		Tools for bush not Adequate						
Housekeeping	X		orage for task. When had tools						
Communication	$\times$		Tools for bush not Alequate orange for task. when had tools to close trasects. When						
Work Approach/Habits	X,		13 0.00						
Attitude	X								
Focus/attentiveness	X		Observer's Corrective Actions/Comments:						
Pace	X		Sugest Attendere tools + agripped						
Uncomfortable/unsafe position	X		to expedite work or speed pows						
Inconvenient/unsafe location									
Position/Line of fire	X								
Apparel (hair, loose clothing, jewelry)	×								
Repetitive motion	×		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

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

CH2MHILL	
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## **CH2M HILL** DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal			REPORT NO:		015			
CONTRACT NU	MBER:	W912DY-09-D-0060			REPORT DATE	D:	11/8/13			
REVISION NUM	MBER:	1			REVISION DAT	ΓE:	10/30/13			
TASK ORDER NUMBER: 003		003		PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ				
PROJECT NUM	PROJECT NUMBER: 427946			PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MANAGER: Mark Callaghan		k Callaghan		UXO QUALITY MANAGER:		Mike Malko				
Senior UXO Supervisor:		Chris Ro	nris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Col	d	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
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL

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

MAY 2021

COMMENTS (accep	tance status	, inspection findings, etc.): None							
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN PROGRESS							
Performed Work / Tes	t for Today:	Daily Tailgate, PTSP, field and equipment inspection	ns, Veg. clearing in DS	SA 2, DSA 1	, and Aquatic DGM in A	Area 12 and 13			
Planned Work / Test fo	or Tomorrow	v: Veg. clearance / reduction, Aquatic DGM							
Planned Work / Test for	or Next Wee	k: Aquatic DGM, Vegetation clearance/ reduction							
project attributable to a <b>Delays in schedule reclearing.</b>	site and weat	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): A Environmental daily production / veg. clearance t able to float safely in water. Will not use ARGO i	rates. Equipment or	_	_	-			
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting held.									
QUALITY CONTROL REPORT									
MATERIALS DELI	VERED TO								
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By			
		See Attached							
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass							
INSPECTIONS PER	FORMED								
Task/Activity Ins		Inspection Performed	Inspection Performed						
Schonsted inspe		Daily/Serviceability	Findings Pass						
GPS Equipme		Daily/Serviceability	Pass						
Generator		Daily/ Serviceability			Pass				
Fire Extinguish	ners	Monthly			Pass				
First Aid Ki	t	Monthly		Pass					
Bob Cat / ARG	Daily/Weekly		Pass						
Field Vehicle	es	Daily/Weekly			Pass				
TESTS PERFORME	E <b>D</b>								
Task/Activity To		Test Performed		Test Results (Pass/Fail)	- Criteria				
GPS equipme	ent	Function and accuracy test			Pass				
Schonsted		QC check			Pass				
Site communication/ R	Radio	Radio Check			Pass				

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QUALITY I	SSUES AND R	ESOLUTIONS: no	one									
			SUB	BMITTALS INS	PECTION /	REVII	E <b>W</b>					
Submittal N				Plan Reference			nittal A	pprove	ed?		Comment/Reaso	on/Action
	Descrip	tion				37						
NA						Yes		No				
						Yes		No				
								No				
						Yes		No				
		•					•					
			REG	ULATORY CO	MPLIANC	E REPO	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		V	VASTE ACCU	MULATION/ST	TOCKPILE	AREA	INSPE	CTIO	N			
Inspection Performed By: NA Signature of Inspector: NA												
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-C			Off Boxes: NA			No. of Drums	NA
Inspection Re	esults: NA		· ·									
				GENERAL	COMMEN	TC						
General Com	ments~ (rework	directives, etc.): N	AEVA terrestria				d back d	lue to 1	oor n	roducti	on rates from USA	. Environmental
	etation reduction							,				
				ATTAC	HMENTS							
	photographs, etc	les, as applicable: s ): Daily Production										
portions or do	esignate as "not a e on each comple	oly in ink. Line out applicable". Prepareted daily report. The	er signs first nis form may		Jonathan	Waldro	on					11/8/13
be filled out t	be filled out electronically and signed electronically.  PREPARER'S SIGNATURE  DATE									DATE		

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CH2M HILI W912DY-09-D-00		СО		RACTOR PRODU		ORT		REVISIO	DATE OF REPORT: 11/08/2013 REVISION NO: REVISION DATE:		
CTO NO: 003		PROJECT NAME	/LOC	ATION: Former Raritan Arso	enal -	- RI/FS			REPORT	'NO: 015	
PROJECT NO: 42	27946		SU	KOS: Chris Rose			UXOSO:	Jim Mill	er	UXOQCS: Mike	Malko
AM WEATHER: Clou	dy / col	d	PM	WEATHER: Cloudy / cold			MAX TEN	ИР: 46 °I	7	MIN TEMP: 42 °I	7
				SUMMARY OF WORL	K PE	RFORMED TO	ODAY				
Approximately 6 Mechanical brush A smaller skid ste An attempt to find a pa	of DS of A cutting er with	SA1 vegetation reduct Area 10 vegetation red was started in DSA2 va a mower deck was bro	uction h with the ught to		l but l	nad mechanical pro	oblems after	about an h	our of work and	l is currently down f	or repairs.
No surface sweeps wer			ng Helo	This Date?		⊠ Yes	☐ No			OURS ON JOB S	
Was A Job Safety Meeting Held This Date?  Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)							⊠ No	СН2М	HILL On-Sit	e Hours	42
JOB		Confined Space E s, attach copy of each p		rmit Administered This Date	?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	312
J		Crane/ Man-lift/ Tr / HAZMAT Work l		g/ Scaffold/ HV Electric/Hig	gh	☐ Yes	⊠ No	Total On-Site Hours This Date  Cumulative Total of Work Hours			354
	(If Yes	s, attach statement or c	hecklist	showing inspection performed)				From F	Previous Repo	rt	1779
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)							⊠ No	Constru	Vork Hours Fraction	rom Start of	2133
				NSPECTIONS CONDUCT Daily safety briefing; equipmen			violations,	correctiv	e instruction	s given, correctiv	e actions
EQUIPMENT/MATE	ERIAL	RECEIVED TODAY	TO BI	E INCORPORATED IN JOB		ı		r		_	
	OF EQU RECEI	IPMENT/MATERIAI VED	_	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ WEIG	
EQUIPMENT USED	ON IO	B SITE TODAY									
-									N	UMBER OF HOUR	.S
EQUIPMEN'	T DESC	CRIPTION	EQ	JIPMENT MAKE/MODEL	S.	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
	GPS			Trimble Geo XH	Chris Rose				8	0	
Utilit	y Vehic	ele		Argo	Mike Malko				3	5	
7	railer			Leonard	Mike Malko				3	5	
	GPS			Trimble Geo XH		Mike N	Malko		8	0	
Pick	-up Truc	ck		Dodge Ram 1500		Jonathan '	Waldron		9	0	
Pick	-up truc	k		Chevrolet Silverado		Mike N			9	0	
	SUV			Ford Edge		Chris			10	0	
	SUV			Ford Edge		Jim Ma			5	0	
Car Ford Fusion					Andy Gascho			9	0		
Office Trailer ModSpace					Jonathan Waldron  Jonathan Waldron			9	0		
Generator Ingersol Rand  Portable toilet Satellite Industries					Chris Rose			9	0		
Portable toilet Satellite Industries  Portable toilet Satellite Industries					Chris Rose			8	0		
	y Vehic			Bobcat		Jonathan '			0	8	
	railer	, i.e.		EZDumper		Jonathan '			0	8	
	TONS/I			OUNTERED (List any confli	cts w	ith the delivery	order [i.e.,	scope of			to the
VISITORS TO THE	SITE:										

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECE			DATE OF REPORT: 11/08/20 REVISION NO: REVISION DATE:	.3
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS	S		REPORT NO: 015	
	WORK PERFORMED	ГОДАҮ	-		
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYE NUMBER		HRS
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	9
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	5
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	9
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	9
		+			
	INCLUDE ALL PERSONNEL WORK HOURS IN THE T	OTAL WORK HOURS	ON JOB SITI	E	
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Ros	<u>z</u>	11/08/13	
SUPERINTENDENT'S SIGNATURE DATE					_

Project.	RI/FS Former Rarita	n Arsenal		Date: 11/08/2	2013
LOCATION (	OF WORK: DSA #	1, DSA #2, Are	ea 10		
	Tra	ansect layout a	and marking		
DESCRIPTION		ırface Clearan			
WEATHER: TEMPERATU	⊠(CLEAR) JRE:	☐(FOG) MIN: <u>31</u> °F	□(P.CLOUDY)	□(RAIN) MAX: <u>47</u> °F	□(WINDY)
1. Work con	npleted today by subo	contractor:			
CH2M Hill's s	subcontractor, USAE	, continued the	e vegetation remova	al from DSA #2	, Area 10 and
DSA #1,					
	npleted today by QC ored work practice and	•		h Work Plan AP	P and SOPS.
	erformed in conforma	nce with Work	Plan requirements	? Yes	
If not, explain	1:				
4. Non-confo	rmances/deficiencies	reported:			
None					
_	·-				
5. Comments		and artend			
iviuitipie equi	oment malfunctions o	ausea extena	ed work delays.		
		correct and tha identified on thi knowledge and with work plans above.	DN: I certify that the alt I, or my representatis report and have detable belief that noted work and specifications, e	ve, have inspect termined to the b k activities are in except as may be	ted all work best of my n compliance
		1 · were			

Project QC Specialist

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

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MAY 2021



### CH2MHILL

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

ttendees: Print Name		
ttendees: Print Name		
titiliaces.		Sign Name
SEE ATTACHM	10 44 7	
SEE ATTIONING	ien (	
ist Tasks and verify that applicable	AHAs have been reviewed:	
		Par such
MECHANICAL/MANU BOATING OPS(S	THE GRUSH R	EMOVAL
BOAVING OFS (S	THE SCAN !	
- 1 (5 · 15 · T-1	(1) 11 (1) (1)	
Tools/Equipment Required for Tasks	s (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy equipmer
power tools): SKID STEER	W/CUTTER HEAD	
power tools): SKID STEER	W/CUTTER HEAD	
power tools): SKID STEER	s (ladders, scaffolds, fall protect w/cutter Head Saws.	
power tools): SKID STEER	W/CUTTER HEAD	
CHAIN/BRUSH 2	W/CUTTER HEAD SAWS.	
CHAIN BRUSH & Potential H&S Hazards, including che	W/CUTTER HEAD SAWS.	
CHAIN BRUSH & Potential H&S Hazards, including che	W/CUTTER HEAD SAWS.	
Potential H&S Hazards, including cheapply):	W/CUTTER HEAD SAWS.	
CHAIN BRUSH & Potential H&S Hazards, including che	EMWS.  emical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, including cheapply):  _Chemical burns/contact	EMUS.  emical, physical, safety, biologic  Trench, excavations, cave-ins	cal and environmental (check all that
Potential H&S Hazards, including cheapply):  _Chemical burns/contact _Pressurized lines/equipment	EMUS.  emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion	cal and environmental (check all that  Ergonomics Chemical splash
Potential H&S Hazards, including cheapply):  _Chemical burns/contact _Pressurized lines/equipment _Thermal burns	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
Potential H&S Hazards, including che apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
Potential H&S Hazards, including cheapply):  _ Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical  _ Weather conditions	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Vinch points  Cuts/abrasions	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard
Potential H&S Hazards, including cheapply):  Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards	ErgonomicsChemical splashPoisonous plants/insectsVeye hazards/flying projectileInhalation hazardVeat/cold stress
Potential H&S Hazards, including cheapply):  _ Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical  _ Weather conditions  _ Heights/fall > 6 feet	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads	Ergonomics  Chemical splash  Poisonous plants/insects  Yeye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment
Potential H&S Hazards, including cheapply):  _Chemical burns/contact _Pressurized lines/equipment _Thermal burns _Electrical _Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting	ErgonomicsChemical splashPoisonous plants/insectsVeye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms
Potential H&S Hazards, including cheapply):  Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire	emical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	Ergonomics  Chemical splash  Poisonous plants/insects  Yeye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
_ Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	✓ Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehigle/Traffic
Isolation	First-aid kit	Work/rest regime	
Air monitoring	V Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	_ 5,5,15
		<u>**</u>	
Permits	Demolition	Inspections:	Training:
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	Von site and current	
As-builts reviewed	Immediate calls to TM/CM	2 applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro-	cesses included?
Client review	24 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including o	 observations from prior day, e	etc.):	

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

Date: 1/-8-13

### F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project. RARITAN A.	RSENAL Date: 11-8-13
TOPICS DISCUSSED:	20,011
1. See ATTACHES P	TSP
2.	
3.	
4.	
5.	
6.	
7.	
MEETING CONDUCTED BY: J.A. MA	PSHA//SIGNATURE: Allegal
MEET	ING ATTENDEES
Name/Company	Signature
1. Charles Rose CH2M Hill	Muste.
2. Mike Malko CH2M Hill	Market .
3. Jim Marshall CH2M Hill	Mills Lill
4. Jonathan Waldron CH2M Hill	Joseph Walk
5. Andrew Gascho CH2MHILL	1 CASCHO
Joseph Agner USAE	5/12
7. John Baird USAE	01 1000
Jefferson Baker USAE	Al marginary and an arms are an arms and arms are arms and arms are arms ar
Michael Bealer USAE	mile Bayler
10. Bart Belcher USAE	CAN BAM
11. Chris Bernard USAE	W.H. SON
12. Jacob Black USAE	1
13. Kenneth Brown USAE	171000
14. Capano John USAE	120
15. Dee Clark USAE	
16. Richard Coble USAE	See Clay &
17. Joseph Dalora USAE	Jane Frey
18. George Edwards USAE	S. C.
19. Egbert Tom USAE	
20. Matthew Farrell USAE	you and
21. Jody Fite USAE	
22. Justin Gay USAE	The state of the s
23. Michael Golluscio USAE	Ja My
24. Kelan Hammond USAE	7/100 7/
25. Manthey Wayne USAE	1/1/1/
7	Zny March

RFI WP, APPENDIX F—FORMS REV 0, 8/5/2010

F-1

CONTRACT #: W91ZLK-05-D-0014 TASK ORDER #:0001

ME	ETING ATTENDEES
Name/Company	Signature
26. Kevin Massey USAE	11:1-1-3
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	1/2 × 12-
30. Moyer Rick USAE	D. A. 22
31. Jesse Norman USAE	The first of the second of the
32. Palverento Angelo USAE	Ance Preside Polystant
33. Rogaliner Rick USAE	The concentrative cours
34. James Royalty USAE	C. C
35. Paul Schmidt USAE	100 post 100
36. Christopher Stack USAE	1100
37. Jeffrey Sullivan USAE	myss and
38. Steve Thomas USAE	
39. Earl R Vance USAE	
40. Jeffrey Vandervort USAE	9174
41. Robert Wallace USAE	1/
42. Charles Ward USAE	July Marie
43. Michael Watson USAE	and and the second
44. David Wheeldon USAE	- Collins
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.	

## **CH2M**HILL

# 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)
	T		
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.):			

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

CH2MHILL

### 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 1 McCoig		32	8
TEC 1 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

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

CEC III Matter, Phillip				24	<u> </u>	8
TEC II Vance, Earl				24	Ŀ	8
CEC II Capano, John				16	· )	8
CEC II Brown, Kenneth				24	<u> </u>	8
EC II Coble, Richard				24	<u> </u>	8
TEC II Massey, Kevin				24	ŧ	8
TEC II Watson, Michael				24	ŧ	8
CEC II Bernard, Christopher				24	Į.	8
CEC II Clark, Denise				24	Į.	8
CEC II Wheeldon, David				24	Ŀ	8
CEC II Norman, Jesse				24	Ŀ	8
EQUIPMENT ON HAND						
Description of Equipment	Make/Model/M	lanufacturer	Equipment	ID Number	Miles/Ho	urs for day (If Applicable)
Rental Van	Ford 12	PX		1		26
Rental Van	Ford 12		_	2		28
Rental Van	Ford 12	PX		3		23
Crew Cab Pick Up	Ford 3	50	Br	ush		29

1 1 1			*
Rental Van	Ford 12 PX	1	26
Rental Van	Ford 12 PX	2	28
Rental Van	Ford 12 PX	3	23
Crew Cab Pick Up	Ford 350	Brush	29
Extended Cab Pick Up	Ford 150	SUXOS	85
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.):**

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.

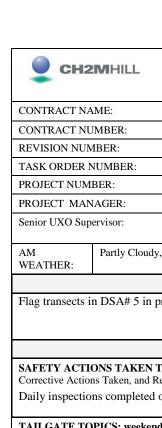
Operations planned for Monday 11 Nov.

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 NA	ME:	Former 1	Former Raritan Arsenal R		REPORT NO:		016		
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE	:	11/9/13			
REVISION NUM	IBER:	1		REVISION DATE:		10/30/13			
TASK ORDER N	NUMBER:	003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ	
PROJECT NUM	BER:	427946	427946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MAN	AGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron		
AM WEATHER:	Partly Cloudy, Col	d	PM Partly Cloud WEATHER:		oudy, 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
Trialer for Argo (NAEVA)	Leonard	660	CH2M HILL

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

WORK AND/OR TH	ESTS ACCO	OMPLISHED OR IN PROGRESS				
		Daily Tailgate, PTSP, field and equipment inspection	ns, transect flagging in	DSA #5		
		., ., ., ., ., ., ., ., ., ., ., ., ., .	.,			
Planned Work / Test f	for Tomorrow	v: TBD				
Planned Work / Test f	for Next Wee	k: Aquatic DGM, Vegetation clearance/ reduction				
project attributable to Delays in CH2M HII and areas of vegetati onsite not adequate of	site and weat  LL master so  ion. At curre  or capable of	LAY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): chedule related to USA Environmental daily producent pace, we will most likely finish vegetation clearif faster paced veg. clearing. t able to float safely in water. Will not use ARGO i	action / veg. clearanc ing by November 22	e rates. USA	AE states 4 days total t	o clear all DSA
VISITORS AND DIS	SCUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	and meeting held.	
		QUALITY CONTRO	L REPORT			
MATERIALS DELI	VERED TO	JOB SITE	T		T	T
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
		See Attached				
COMMENTS (accept	otance status	s, inspection findings, etc.): Pass	l		I	l
INSPECTIONS PER	RFORMED					
Task/Activity Ins	spected	Inspection Performed			Findings	
Schonsted inspe	ection	Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguis	hers	Monthly			Pass	
First Aid K	it	Monthly			Pass	
Bob Cat / AR	GO	Daily/Weekly			Pass	
Field Vehicl	es	Daily/Weekly			Pass	
TESTS PERFORMI				T		
Task/Activity T		Test Performed			Test Results (Pass/Fail)	- Criteria
GPS equipme	ent	Function and accuracy test			Pass	
Schonsted		QC check			Pass	
Site communication/ I	Radio	Radio Check			Pass	

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QUALITY I	SSUES AND RI	ESOLUTIONS: no	ne									
			SUI	BMITTALS INS	SPECTION /	REVII	EW					
Submittal N	o. Submit Descript		Specification	/Plan Reference		Subi	nittal A	pprove	d?		Comment/Reaso	on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
DED ME IN	CDE CELONG D	CDECONTED NA	REG	SULATORY CO	MPLIANC	E REPO	ORT					
PERMITIN	SPECTIONS PI	ERFORMED: NA										
		W	ASTE ACCU	MULATION/S'	<b>FOCKPILE</b>	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	of Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-	-Off Bo	xes:	NA			No. of Drums	NA
Inspection Re	esults: NA	•	•		•							•
				GENERAL	COMMEN	TS						
General Com	ments~ (rework,	directives, etc.): NA	AEVA terrestri	al and VARGO l	and surveyor	s pushe	d back o	due to p	oor pr	oduction	on rates from USA	Environmental
and their veg	etation reduction	teams.										
				ATTAC	CHMENTS							
RFIs, DCNs,	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.											
portions or de and last name	esignate as "not a on each comple	ly in ink. Line out pplicable". Prepare ted daily report. The signed electronical	r signs first is form may		Jonathan	Waldro	n					11/9/13
be inied out 6	лесионисану апо	signed electronical	ıy.	<u> </u>	PREPARI	ER'S SIGN	ATURE					DATE

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

	1								1		
CH2M HILI W912DY-09-D-00		CO		RACTOR PRODUC			ORT		REVISION		9/2013
			`							ON DATE:	
CTO NO: 003		PROJECT NAME	E/LOC	ATION: Former Raritan Arser	nal –	RI/FS	1		REPOR'	Γ NO: 016	
PROJECT NO: 42	7946		SU	XOS: Chris Rose			UXOSO:	Jim Mill	er	UXOQCS: Mike	Malko
AM WEATHER: Cloud	dy / col	d	PM	WEATHER: Cloudy / cool			MAX TEN	ИР: 53 °F	7	MIN TEMP: 44 °	F
				SUMMARY OF WORK	PEI	RFORMED TO	ODAY				
The following transects	s were n	narked in DSA 5: 13, 2	23, 24, 2	25 and T30 1 through 7. A portion	of 22	2 was also marked	1.				
	Was A	A Job Safety Meetir	ng Helo	1 This Date?		⊠ Yes	□ No			OURS ON JOB ling Continuation	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)						☐ Yes	⊠ No	CH2M	HILL On-Si	te Hours	22
JOB		a Confined Space Eas, attach copy of each p		ermit Administered This Date?	?	☐ Yes	⊠ No	Subcontractor On-Site Hours 0			0
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High				_	_	Total (	On-Site Hou	rs This Date	22		
		/ HAZMAT Work I s, attach statement or c		t showing inspection performed)		☐ Yes	⊠ No		ative Total oj Previous Rep	<sup>r</sup> Work Hours ort	2133
	Was Hazardous Material/Waste Released into the Environment?  (If Yes, attach description of incident and proposed action)				☐ Yes	⊠ No	Total W Constru		From Start of	2155	
				INSPECTIONS CONDUCT Daily safety briefing; equipment	,		violations,	correctiv	e instruction	ıs given, correctiv	e actions
		•		E INCORPORATED IN JOB	шэрс						
DESCRIPTION C		IPMENT/MATERIAI		MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ WEI	
EQUIPMENT USED	ON JO	B SITE TODAY.									
EQUIPMENT	T DESC	PRINTION	EO	UIPMENT MAKE/MODEL	6.4	AFETY CHECK F	DEDECDME	D DV	1	NUMBER OF HOUR	RS
EQUIFMEN	I DESC	. KIF HON	EQ	OFFMENT WAKE/WODEL	3F	METT CHECK I	EKIOKWE	<i>р</i> в і	USED	IDLE	REPAIR
	GPS			Trimble Geo XH		Chris 1	Rose		8	0	
Utilit	y Vehic	ele		Argo		Mike N	Malko		9	0	
T	railer			Leonard		Mike N	Malko		9	0	
	GPS			Trimble Geo XH		Mike N			9	0	
Pick-	up Truc	ck		Dodge Ram 1500		Jonathan \			4	5	
	-up truc	k		Chevrolet Silverado		Mike N			9	0	
	SUV			Ford Edge		Chris			9	0	
	SUV			Ford Edge		Jim Ma Andy G			0	9	
	Car			Ford Fusion		Jonathan V			0	9	
	ce Traile	er		ModSpace		Jonathan V			9	0	
	nerator			Ingersol Rand		Chris 1			0	9	
	able toil			Satellite Industries Satellite Industries		Chris			0	9	
	able toil			Bobcat		Jonathan \			0	9	
	y Vehic	ele				Jonathan \			0	9	
				EZDumper  OUNTERED (List any conflict	ts wi			scope of			s to the
VISITORS TO THE S		на тешнет сониш	ms, el								
LIST OF ATTACHME	NITE C	SHA report confi	nod er	ace entry permit, incident ren	orte	etc ):					

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO	DDUCTION REPOR	ZT	DATE OF REPORT: 11/09/20 REVISION NO: REVISION DATE:	013
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	n Arsenal – RI/FS		REPORT NO: 016	
	WORK	PERFORMED TODAY			
EMPLOYEE	WORK PERFORMED	EMPLOY	ER EMPLOYI NUMBE		HRS
Chris Rose	Subcontractor oversight	CH2M HI	LL	SUXOS	9
Mike Malko	Subcontractor oversight	CH2M HI	LL	UXOQCS	9
Jim Marshall	Subcontractor oversight	CH2M HI	LL	UXOSO	0
Jonathan Waldron	Subcontractor oversight	CH2M HI	LL	SSHO	4
Andy Gascho	Subcontractor oversight	CH2M HI	LL	Project Geophysicist	0
					+
					1
					+
	INCLUDE ALL PERSONNEL WORK	HOURS IN THE TOTAL WORK H	OURS ON JOB SIT	TE	
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris A	Rose	11/09/13	
	•	SUPERINTENDENT	S SIGNATURE	DATE	_

Project.	RI/FS Former Ra	aritan Arsenal		Date: 11/09/	2013
LOCATION (	OF WORK: DS/	A #5			
200/11/01/	<u> </u>	· · · ·			
DESCRIPTION	ON OF WORK:	Land Survey (B	oundary/Transect S	stake Establishr	ment)
		7 \	,		,
WEATHER:	⊠(CLEAR)	□(FOG)	⊠(P.CLOUDY)	□(RAIN)	$\square$ (WINDY)
TEMPERATI		MIN: <u>33</u> °F	<u> </u>	MAX: 52 °F	
		<u>55</u> .		<u></u>	
1. Work con	npleted today by s	subcontractor:			
	.,				
DSA #5 trans	sect layout and ma	arking			
2. Work con	npleted today by 0	QC inspection sta	iff:		
Follow on Ins	spection DFOW L	and Survey (Bou	indary/Transect Sta	ke Establishme	ent)
3. All work pe	erformed in confor	mance with Wor	k Plan requirements	s? Yes	
If not, explain	n:				
	rmances/deficien	cies reported:			
None					
5. Comments	3:				
			ON: I certify that the a		
			at I, or my representa his report and have de		
			d belief that noted wo		•
		with work plan	s and specifications,		
		above.	1 10 -00		
		Much	Jame	lk-	
			•		

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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	
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, I	LOCATION, AND LIST PERSONNEL PRESENT
Land Survey (Boundary/Transect Stake Es Chris Rose Michael Malko	stablishment) DSA #5 transect layout and marking
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
Transect layout continued in DSA #5 UXOQC with Work Plan APP and SOPS. Transect local	Monitored work practice and procedures to insure compliance tions were verified by GPS
Michala Mille	11-09-2013
Project QC Specialist	Date

HSSE Target Zero World-Class Performance

#### CH2MHILL

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

endees:  Print Name  And Rose  MA  And	SING.	Sign Name  Maco Wald
	give -	The Water
Justin (	alum 1	Macellat
With U	1012	11/1/4 0
		- C/10
	100 - 1 100 5 700 110 100 100 100 100 100 100 100 100	
Tasks and verify that applicable	AHAs have been reviewed:	
ransect Marking		
INSTECT TOWNS		
The second secon		
		PRINCIPAL POLICIA DE LA PORTE DE PRESENTA DE LA PORTE
	0	
ols/Equipment Required for Tasks	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
wer tools):	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
wer tools):	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
ols/Equipment Required for Tasks wer tools): ISSO, GRS-GEOHK	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
wer tools):	(ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipme
Wertools):		
wer tools):  ISS, GK-GEOHK  tential H&S Hazards, including che		tion, cranes/rigging, heavy equipme
rso, GR-GEOHK		
tential H&S Hazards, including che		
tential H&S Hazards, including cheply):  Chemical burns/contact	mical, physical, safety, biologi	cal and environmental (check all tha
wer tools):  SS-GEO HK  tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment	mical, physical, safety, biologi	cal and environmental (check all that
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	mical, physical, safety, biologi Trench, excavations, cave-ins	cal and environmental (check all that  Ergonomics Chemical splash
wer tools):  SS. GEO HK  tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	mical, physical, safety, biologi Trench, excavations, cave-ins  verexertion Pinch points	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	mical, physical, safety, biologi Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
wer tools):  SSS, GR-GEO HK  tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	mical, physical, safety, biologi Trench, excavations, cave-ins overexertion Pinch points Cuts/abrasions Spills	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
tential H&S Hazards, including cheply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	mical, physical, safety, biologi Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms

	es (Check All That Apply):	Fire Protection	Electrical
PE	Protective Systems	Fire extinguishers	Lockout/tagout
_Thermal/lined	Sloping	Fire watch	Grounded
Еуе	Shoring	Non-spark tools	Panels covered
Dermal/hand	Trench box	Grounding/bonding	GFCI/extension cords
_ Hearing	— Barricades	Intrinsically safe equipment	Power tools/cord inspected
Respiratory	_ Competent person	Intrinsically safe equipment	Overhead line clearance
Reflective vests	Locate buried utilities		
_ Flotation device	— Daily inspections		Underground utils ID'd
_ Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
_ Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
V/02 73	Other	Operator qualified	
C - fired Cones Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Confined Space Entry	First-aid kit	Work/rest regime	Traffic control
Isolation	Lye wash	Rest area	Barricades
Air monitoring	FA-CPR trained personnel	Liquids available	Flags
Trained personnel	Route to hospital	Monitoring	Signs
Permit completed	- Route to nospital	Training	
Rescue			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
Energized work		Cranes and rigging	Confined Space
Eller Bixen work		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM  Immediate calls to TM/CM	on site and current	
As-builts reviewed	Client notification	applicable for this day's work	
_Interview site staff		Communication and incident prod	cesses included?
Client review	24 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including	observations from prior day, e	etc.):	

Name (Print): Chroc Roce.
Signature:

Date: 9/11/13

СН2	MHILL
CONTRACT NA	ME:
CONTRACT NU	MBER:
REVISION NUM	MBER:
TASK ORDER N	NUMBER:
PROJECT NUM	BER:
PROJECT MAN	IAGER:
Senior UXO Sup	ervisor:
AM WEATHER:	Partly Clou
NEAVA attemp	pted to place

## CH2M HILL DAILY REPORT

CONTRACT NAM	ME:	Former I	Former Raritan Arsenal		REPORT NO:		017		
CONTRACT NUM	MBER:	W912D	W912DY-09-D-0060		REPORT DATE:		11/10/13		
REVISION NUMI	BER:	1	1 I		REVISION DATE:		10/30/13		
TASK ORDER NU	UMBER:	003	003		PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ		
PROJECT NUMB	ER:	427946			PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MANA	AGER:	Mark Ca	llaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Super	rvisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Walds	ron		
AM WEATHER:	Partly Cloudy, Cole	d	PM Partly Clou WEATHER: Windy		oudy, Cool,	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

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

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

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

MAY 2021

WORK AND/OR TE	STS ACCO	OMPLISHED OR IN PROGRESS				
Performed Work / Tes	t for Today:	Daily Tailgate, PTSP, field and equipment inspection	s, Aquatic DGM			
Planned Work / Test for site assessment.	or Tomorrow	v: USAE Remobilizes to site and continues with transc	ect vegetation clearing	g, Access Isl	and with boat from Mil	lers Launch, for
Planned Work / Test fo	or Next Wee	ek: Aquatic DGM, Vegetation clearance/ reduction				
project attributable to a Delays in CH2M HII and areas of vegetationsite not adequate of	site and weat  L master so  n. At curre  r capable of	LAY/CONFLICTS ENCOUNTERED (List any continer conditions, etc.): chedule related to USA Environmental daily producent pace, we will most likely finish vegetation clearif faster paced veg. clearing. t able to float safely in water. Will not use ARGO i	action / veg. clearanc ing by November 22	e rates. USA	AE states 4 days total t	o clear all DSAs
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting held.	
		QUALITY CONTROL	L REPORT			
MATERIALS DELI	VERED TO	JOB SITE				
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By
		See Attached				
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				
INSPECTIONS PER	FORMED					
Task/Activity Ins	pected	Inspection Performed			Findings	
Schonsted inspe	ction	Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguish	ners	Monthly			Pass	
First Aid Ki	t	Monthly			Pass	
Bob Cat / ARG	GO	Daily/Weekly			Pass	
Field Vehicle	es	Daily/Weekly			Pass	
TESTS PERFORME	Z <b>D</b>	<u> </u>		l		
Task/Activity To		Test Performed			Test Results (Pass/Fail)	- Criteria
GPS equipme		Function and accuracy test			Pass	
Schonsted		QC check			Pass	
Site communication/ R	Radio	Radio Check			Pass	

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

QUALITY I	SSUES AND RI	ESOLUTIONS: no	ne									
			SUBM	MITTALS INS	PECTION /	REVIE	EW					
Submittal N	o. Submit		1			Submittal Approved?		ed?	? Comment/Reason/Ad		on/Action	
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
			REGU	LATORY CO	MPLIANCE	REPO	ORT					
PERMIT IN	SPECTIONS P.	ERFORMED: NA										
		V	ASTE ACCUM	IULATION/ST	OCKPILE .	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	f Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-	Off Box	xes:	NA			No. of Drums	NA
Inspection Re	esults: NA											
				GENERAL	COMMENT	TS.						
	ments~ (rework,	directives, etc.): N.	AEVA terrestrial	and VARGO la	and surveyors	s pushed	d back d	lue to p	oor pr	oducti	on rates from USA	Environmental
				ATTAC	HMENTS							
	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.											
portions or de and last name	esignate as "not a on each comple	oly in ink. Line out applicable". Prepare ted daily report. The	er signs first nis form may		Jonathan	Waldro	n					11/10/13
be filled out e	electronically and	l signed electronica	lly.		PREPARE	R'S SIGN	IATURE					DATE

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

MAY 2021

CH2M HILL W912DY-09-D-00		CO		RACTOR PRODUCTIONAL SHEET			ORT		REVISIO	F REPORT: 11/2 ON NO: ON DATE:	10/2013
CTO NO: 003		PROJECT NAME	/LOC	ATION: Former Raritan Arser	nal –	RI/FS			REPORT	Γ NO: 017	
PROJECT NO: 42°	7946		SU	XOS: Chris Rose			UXOSO:	Jim Mille	er	UXOQCS: Mik	e Malko
AM WEATHER: Clear,	, windy	/ cold	PM	WEATHER: Clear, windy / cool			MAX TEN	⁄IP: 59 °F		MIN TEMP: 42	°F
			•	SUMMARY OF WORK	PEI	RFORMED TO	ODAY		•		
NEAVA attempted to p	lace a I	VS and conduct under	water I	OGM but windy conditions forced	them	off of the water.					
	Was A	A Job Safety Meetin	g Helo	1 This Date?		⊠ Yes	☐ No			OURS ON JOB ing Continuation	
	Were (If Yes	there any lost-time , attach copy of compl	accide eted O	nts this date? SHA report)		☐ Yes	⊠ No	CH2M	HILL On-Si	te Hours	2
		Confined Space Er , attach copy of each p		ermit Administered This Date	?	Yes	⊠ No	Subcon	tractor On-S	ite Hours	20
AE				g/ Scaffold/ HV Electric/High	h			Total C	On-Site Hou	rs This Date	22
$\backslash$ $\sim$		HAZMAT Work I , attach statement or cl		t showing inspection performed)		☐ Yes	⊠ No		utive Total of Previous Repo	Work Hours ort	2155
				Released into the Environment and proposed action)	nt?	☐ Yes	⊠ No	Total W Constru		From Start of	2177
				INSPECTIONS CONDUCT Daily safety briefing; equipment			violations,	correctiv	e instruction	s given, correcti	ve actions
EQUIPMENT/MATE	RIAL I	RECEIVED TODAY	TO B	E INCORPORATED IN JOB							
	F EQU RECEI	IPMENT/MATERIAL VED	,	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY		VOLUME/ IGHT
EQUIPMENT USED	ON JO	B SITE TODAY.						1			
EQUIPMENT	DESC	RIPTION	EQ	UIPMENT MAKE/MODEL	SAFETY CHECK PER		CHECK PERFORMED BY			UMBER OF HOU	REPAIR
	GPS			Trimble Geo XH		Chris	Rose		USED 0	IDLE 8	KEPAIK
	y Vehic	le le		Argo		Mike N			0	8	
	railer			Leonard			Mike Malko		0	8	
	GPS			Trimble Geo XH		Mike N	Malko		0	8	
Pick-	up Truc	:k		Dodge Ram 1500		Jonathan '	Waldron		0	8	
Pick-	up truc	k		Chevrolet Silverado		Mike N	Malko	0		8	
S	SUV			Ford Edge		Chris	Rose		1	7	
S	SUV			Ford Edge		Jim Ma	ırshall		0	8	
	Car			Ford Fusion		Andy G	ascho		1	7	
Office	e Traile	er		ModSpace		Jonathan '			0	8	
Ger	nerator			Ingersol Rand		Jonathan '			0	8	
Portal	ble toile	et		Satellite Industries		Chris			0	8	
Portal	ble toile	et		Satellite Industries		Chris			0	8	
Utility	y Vehic	le		Bobcat		Jonathan '			0	8	
Tı	railer			EZDumper		Jonathan '	Waldron		0	8	
CHANGED CONDITE project attributable to				OUNTERED (List any conflic- c.):	ts wi	th the delivery	order [i.e.,	scope of	work and/or	drawings], delay	rs to the
VISITORS TO THE S				ace entry permit, incident rep							

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUC (ATTACH ADDITIONAL SHEETS		R	DATE OF REPORT: 11/10/20 REVISION NO: REVISION DATE:	013				
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsena	DJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS							
WORK PERFORMED TODAY									
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS				
Chris Rose	Subcontractor oversight	CH2M HILL	<u> </u>	SUXOS	1				
Mike Malko	Subcontractor oversight	CH2M HILL	T	UXOQCS	0				
Jim Marshall	Subcontractor oversight	CH2M HILL	<u> </u>	UXOSO	0				
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	0				
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	1				
					<del>                                     </del>				
					<del>                                     </del>				
			<u> </u>						
					+				
	INCLUDE ALL PERSONNEL WORK HOURS I	N THE TOTAL WORK HOURS	ON JOB SITE						
SAFETY REQUIR	REMENTS HAVE BEEN MET 🛛	Chris Rose	عـ	11/10/13					
		SUPERINTENDENT'S SIGN	NATURE	DATE					

HSSE Target LCTO World-Class Performance

### CH2MHILL

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

21 6		./w
upervisor: Chir Roca ctivity: Remedial I	dol Job	11-10
ctivity: Renedial I	MISTIGATION_	10-
ttendees: Print Na	ame	Sign Name
6126 5	1000	1 11/2
The state of the s	GRENDE <	My Man
PETER T	mP	1200
10101- 0		TOV
EIK KIH	+	7 Auf
ist Tasks and verify that applica	able AHAs have been revièwed:	
Inderwater DGM		
Angerwaver DGIII		
ANDERWERP DGM		
Morwall DOM		
Mager DGM		
		tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for		
Tools/Equipment Required for bower tools):	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for bower tools):	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for bower tools):		tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for bower tools):	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for power tools):  Boch wrooswater	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
Tools/Equipment Required for power tools):  Bach was water  Potential H&S Hazards, including	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
Fools/Equipment Required for power tools):  Bach water alex  Potential H&S Hazards, including apply):	Tasks (ladders, scaffolds, fall protect  Stophysers equipment,  ng chemical, physical, safety, biologic	tion, cranes/rigging, heavy equipmen
Fools/Equipment Required for power tools):  Roch wrooswater  Potential H&S Hazards, including apply):  Chemical burns/contact	Tasks (ladders, scaffolds, fall protect  Seophyses equipment,  ng chemical, physical, safety, biologic Trench, excavations, cave-ins	tion, cranes/rigging, heavy equipments
Fools/Equipment Required for power tools):  Bach was water  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment	Tasks (ladders, scaffolds, fall protect  Stophyses equipment,  ag chemical, physical, safety, biologic  Trench, excavations, cave-ins	tion, cranes/rigging, heavy equipmen  cal and environmental (check all that ErgonomicsChemical splash
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	Tasks (ladders, scaffolds, fall protect  Scophyses agulpment,  ng chemical, physical, safety, biologic Trench, excavations, cave-ins Pinch points	tion, cranes/rigging, heavy equipments  cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects
Tools/Equipment Required for power tools):  Bach was water  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Tasks (ladders, scaffolds, fall protect  Scophysus equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	Tasks (ladders, scaffolds, fall protect  Scophysuss equipment,  In g chemical, physical, safety, biologic  Trench, excavations, cave-ins  Voverexertion  Pinch points  Cuts/abrasions  Spills	tion, cranes/rigging, heavy equipment cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazard
Tools/Equipment Required for power tools):  Bach was water  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Tasks (ladders, scaffolds, fall protect  Scophysus equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsYeye hazards/flying projectileInhalation hazardHeat/cold stress
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	Tasks (ladders, scaffolds, fall protect  Scophysuss equipment,  In g chemical, physical, safety, biologic  Trench, excavations, cave-ins  Voverexertion  Pinch points  Cuts/abrasions  Spills	tion, cranes/rigging, heavy equipment cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Tasks (ladders, scaffolds, fall protect  Stophyse equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsYeye hazards/flying projectileInhalation hazardHeat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Tasks (ladders, scaffolds, fall protect  Scophysics equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  Voverexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsInhalation hazardHeat/cold stressWater/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Tasks (ladders, scaffolds, fall protect  Sephyse equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Viips, trip and falls	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipment
Tools/Equipment Required for power tools):  Bach was water  Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Tasks (ladders, scaffolds, fall protect  Stophystes equipment,  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Manual lifting	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms

zard Control Measure	es (Check All That Apply):	Fire Protection	Electrical
E	Protective Systems	L'Eira extinguichers	Lockout/tagout
Thermal/lined	— 210hiuk	The second secon	Grounded
Eye	Shoring	_ Fire watch	Panels covered
bermal/hand	Trench box	Non-spark tools	GFCI/extension cords
Hearing	Barricades	_ Grounding/bonding	Power tools/cord inspected
Respiratory	Competent person	Intrinsically safe equipment	
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
- Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
_ Adequate anchorage	Radiation	Backup alarms	Flash-back arrestors
_ Guardrail system	Personnel sampling	Hand/power tools	No cylinders in CSE
_ Covered opening	LEL/02	Crane with current inspection	Flame retardant clothing
_ Fixed barricades	LEL/02 No visible dust	Proper rigging	Appropriate goggles
_ Warning system		Operator qualified	
	Other	_ operator quantity	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
	First-aid kit	Work/rest regime	Traffic control
Isolation	J <sub>Eye wash</sub>	Rest area	Barricades
Air monitoring	FA-CPR trained personnel	Liquids available	Flags
Trained personnel	Route to hospital	Monitoring	Signs
Permit completed	- Route to Hospital	Training	
Rescue			
Dite	Demolition	Inspections:	Training:
Permits	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
_ Hot work	Structure condition	Lanyards/harness	Construction
Confined space	Isolate area/utilities	Scaffolds	Competent person
Lockout/tagout	Competent person	Heavy equipment	Task-specific
Excavation		Drill rigs/geoprobe rigs	FA/CPR
Demolition	— Hazmat present	Cranes and rigging	Confined Space
Energized work			Hazcom
		Utilities marked	
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	✓applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	24 hour notification setup		
client reviewsoft locate necessary?	Clear communications		
SOIL locate necessary:			
	a beautions from prior day	etc).	
Field Notes (including	g observations from prior day,	cic.j.	

Name (Print): 163 Co30

Date: 11/10//3

## **CH2M**HILL

# 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)
	T	T	
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.):			

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

Q c	H2MHILL
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## CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		018		
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE:		11/11/13		
REVISION NUM	MBER:	1			REVISION DATE:		10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Partly Cloudy, Col	d	PM WEATHER:	Partly Clo Windy	oudy, Cold,	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
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

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

WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
	t for Today:	Daily Tailgate, PTSP, field and equipment inspection	s, Aquatic DGM, Bru	sh clearing i	in Area 12 and DSA#1.	Gain Access to	
		v: Continue with Aquatic DGM, Vegetation/Brush rec t trip out to DSA#4 to look at island areas and discuss			nmental PM's and US A	Army Corp. of	
Planned Work / Test fo	or Next Wee	k: Vegetation clearance/ reduction					
project attributable to	site and weat		flicts with the project	[i.e., scope o	of work and/or drawings	s], delays to the	
Delays in CH2M HIL clearing by Novembe NAEVA terrestrial at	oat from Mi LL master so r 22 nd VARGO	illers Launch went out and caused delays in access chedule related to USA Environmental daily produland surveyors pushed back accordingly.  It able to float safely in water. Will not use ARGO is	ction / veg. clearanc	-			
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	nils on site visitors, d	iscussions a	nd meeting held.		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO	JOB SITE					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				l	
INSPECTIONS PER	FORMED						
Task/Activity Insp	pected	Inspection Performed		Findings			
Schonsted inspe	ction	Daily/Serviceability		Pass			
GPS Equipme	ent	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability			Pass		
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki	First Aid Kit Monthly			Pass			
Bob Cat / ARC	GO	Daily/Weekly			Pass		
Field Vehicle	es			Pass			
TESTS PERFORME	ED.						
			Test Results (Pass/Fail)	- Criteria			
GPS equipment Function and accuracy test				Pass			
Schonsted QC check					Pass		
Site communication/ R	Radio	Radio Check			Pass		

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QUALITY IS	SSUES AND I	RESOLUTIONS: n	one							
				MITTALS INS	PECTION /					
Submittal No	o. Subm Descri		Specification/I	Plan Reference		Subr	nittal A	pproved?	Comment/Reaso	on/Action
NA						Yes		No 🗆		
						Yes		No 🗆		
						Yes		No 🗆		
						Yes		No 🗆		
			REGU	JLATORY CO	MPLIANCE	E REPO	ORT			
PERMIT INS	SPECTIONS 1	PERFORMED: NA								
		V	VASTE ACCUM	MULATION/ST	OCKPILE	AREA	INSPE	CTION		
Inspection Per	rformed By:	NA			Signature o	f Inspec	ctor:	NA		
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA		No of Roll-	Off Box	kes:	NA	No. of Drums	NA
Inspection Re	sults: NA	•						<u> </u>		•
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 clearence.										
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.										
portions or de and last name	signate as "not on each comp	bly in ink. Line out applicable". Prepar eted daily report. T	er signs first nis form may		Jonathan	Waldro	n		1	1/11/13
oc imed out e	be filled out electronically and signed electronically.					R'S SIGN	ATURE			DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-211

			,					_		
CH2M HILL	CO	NTI	RACTOR PRODU	CT	ION REP	PORT			F REPORT: 11/11/2	2013
W912DY-09-D-0060			ATTACH ADDITIONAL SHEET					REVISIO	ON NO: ON DATE:	
CTO NO: 003	3 PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS				RI/FS			-	NO: 018	
PROJECT NO: 4279		_	XOS: Chris Rose			UXOSO:	Jim Mille	1	UXOQCS: Mike M	falko
AM WEATHER: Clear, w			WEATHER: Cloudy, windy / co	ol		MAX TEN			MIN TEMP: 40 °F	luiko
			SUMMARY OF WORL		REORMED TO	<u> </u>				
			BOWNING OF WORL		TORUMED 1	02:11				
			d DSA6. At low tide DSA6 is no does appear that the islands are used.					at low tide bu	t a mud slick separates	s the wood
		indo. it t	asses appear that the islands are the	ilder u	oodi o 12 menes	or water at in	gii tidei			
	started in Area 12. The fo		transects were completed: 5 A-B	s, 9 A-	B,11 C-D, 13 E-F	F, 14 C-D, 15	A-B, 16 C	D, 17 C-D AN	ND 18 A-B. The follow	ving
transects have been started	: 8 A-B, 10 A-B, 11 C-D,	16 A-B	AND 17 A-B.							
Land surveying was com	oleted in Area 18D (Colleg	ge Parki	ng lot) and started in Area 10: Tr	ansect	s 1 – 5.					
The underwater IVS was	ompleted. Approximately	90% of	underwater DGM in Area 12 and	d 8 lin	es in Area 13 wer	e completed.				
							ТОТАІ	WORK H	OURS ON JOB SI	TF THIS
W N	as A Job Safety Meeting	ng Held	d This Date?		Yes	☐ No			ing Continuation Sh	
	ere there any lost-time	accide	ents this date?		☐ Yes	⊠ No	CHOM	HILL On-Sit	o House	43
	Yes, attach copy of comp		• •		☐ res	⊠ No	CH2M	HILL On-Sit	e Hours	43
	as a Confined Space E Yes, attach copy of each		ermit Administered This Date	e?	☐ Yes	⊠ No	Subcon	ractor On-Si	ite Hours	322
			ng/ Scaffold/ HV Electric/Hig	rh			Total O	n-Site Hou	rs This Date	365
	ork/ HAZMAT Work	Done?		511	☐ Yes	⊠ No			Work Hours	2177
	Yes, attach statement or o	hecklis	t showing inspection performed)				From Previous Report			2177
\ /			Released into the Environm	ent?	☐ Yes	⊠ No	Total Work Hours From Start of Construction			2542
	Yes, attach description of									
			INSPECTIONS CONDUCT  Daily safety briefing; equipmen			violations,	corrective	instruction	s given, corrective o	actions
			E INCORPORATED IN JOB	т шэрс	zetions					
	EQUIPMENT/MATERIA		MAKE/ MODEL/		EQUIPMEN	T/ LOT	INS	PECTION	NUMBER/ VO	DLUME/
RE	CEIVED		MANUFACTURER NUMBE			ER	PERF	ORMED BY	WEIGH	ΙΤ
EQUIPMENT USED OF	JOB SITE TODAY.	1					T			
EQUIPMENT D	ESCRIPTION	EQ	QUIPMENT MAKE/MODEL SAFETY CHECK			PERFORME	D BY		UMBER OF HOURS	DED I ID
GF	9		Trimble Geo XH Chris R			Pose	+	USED 8	IDLE 0	REPAIR
Utility V			Argo Mike M					0	8	
Trai			Leonard	Mike Malko 0			8			
GF			Trimble Geo XH		Mike I	Malko		8	0	
Pick-up	Truck		Dodge Ram 1500		Jonathan	Waldron		8	0	
Pick-up	truck		Chevrolet Silverado		Mike I	Malko		8	0	
SU	V		Ford Edge		Chris	Rose		8	0	
SU	SUV Ford Edge			Jim Ma			8	0		
Сг	r	Ford Fusion			Andy C			8	0	
Office 7	railer	ModSpace			Jonathan			8	0	
Generator Ingersol Rand				Jonathan			8	0		
Portable toilet		Satellite Industries	Chris Rose Chris Rose			8	0			
Portable toilet Satel			Satellite Industries		Jonathan				8	
Utility V			Bobcat		Jonathan		+	0	8	
Trai		 	EZDumper	, .				0		4
			OUNTERED ( <i>List any confli</i> c.): USAE has 1 skid steer st							
problems. VISITORS TO THE SIT	E.									

 ${\it LIST~OF~ATTACHMENTS}~(OSHA~report,~confined~space~entry~permit,~incident~reports,~etc.):$ 

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECE	DATE OF REPORT: 11/11/2013 REVISION NO: REVISION DATE:				
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/F:	REPORT NO: 018				
	WORK PERFORMED	ГОДАҮ	-			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYE NUMBER		HRS	
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	9	
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	9	
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	8	
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	9	
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	8	
INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE						
SAFETY REQUI	IREMENTS HAVE BEEN MET 🛛	Chri Ros	عـ	11/11/13		
SUPERINTENDENT'S SIGNATURE DATE					_	

Project.	RI/FS Former Rarita	Date: 11/11/2	.013				
LOCATION (	OF WORK: DSA #	1, DSA #2, Are	ea 10				
		ansect layout	•				
DESCRIPTION	ON OF WORK: Su	ırface Clearan	ce				
	_	_	_				
WEATHER:	$\boxtimes$ (CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	∐(RAIN)	$\square$ (WINDY)		
TEMPERATI	JRE:	MIN: <u>31</u> °F		MAX: <u>51</u> °F			
4 147 1							
1. Work con	npleted today by subo	contractor:					
CH2M Hill's	subcontractor, USAE,	completed th	a vagatation ramav	al from Aroa 10	) started		
	emoval in Area 12. US		· ·				
	ailures and machines	•					
	subcontractor VARGO		•		d survey of		
	SUXOS completed a						
	•						
2. Work con	npleted today by QC	inspection stat	ff:				
UXOQC Monit	tored work practice and	procedures to	insure compliance wit	h Work Plan APF	P and SOPS.		
	_						
3. All work pe	erformed in conforma	nce with Work	Plan requirements	? Yes			
If not, explain	າ:						
4. Non-confo	rmances/deficiencies	reported:					
None	_						
5. Comments	S:						
Multiple equi	pment malfunctions o	aused extend	ed work delays.				
			•				
		CERTIFICATIO	ON: I certify that the al	pove report is co	mplete and		
			t I, or my representati				
			is report and have det I belief that noted wor				
		with work plans	and specifications, e				
		above.					
		ML	Jama	Cham-			
		1 - 500					

Project QC Specialist

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

MAY 2021

## **ALIONALII** I

. -4: PRE-TASK SAFETY PLAN

Project: RARITAN N.	Location: ED1502	ノ NJ Date: //-//-/3
Supervisor: CHRIS	Rose	Job Activity:
Task Personnel:		
		<del></del>
		-
	**************************************	
List Tasks: mecH/MAN	MAL BRUSH Ren	MOVAL
BOATING 6		
power tools, hand tools): 2	Tasks, (ladders, scarrolds, fall pro	otection, cranes/rigging, heavy equipment,
CHAIN/BRUSH		
Potential Libra Haganda in al-	: 1 · 1 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	1 . 1
apply and review exposures a	ing chemical, physical, safety, bid sthey will be encountered in the	ological and environmental (Check all that
	T	
Chemical burns/contact	Trench, excavations, cave- ins	<u>√</u> Ergonomics
Pressurized	Overexertion	Chemical splash
lines/equipment		Chemical splash
Thermal burns	Pinch points	plants/insects
Electrical	L/Cuts/abrasions	∠Eye hazards/flying projectile
✓ Weather conditions	Spills	Inhalation hazard
Heights/fall>6'	Overhead Electrical	Heat stress
	hazards	
Noise	Elevated loads	Water/drowning hazard
Explosion/fire	Slips, trip and falls	Heavy equipment
Radiation	Manual lifting	Aerial lifts/platforms
Confined space entry	Welding/cutting	Demolition
Other Potential Hazards (Descri	ribe): WEATHER CURA	eent Temp 4101 F
	IRTLY CLOUDY	1, 10
111/11/11	MILI CHOURT	

### CH2MHILL

F-4: PRE-TASK SAFETY PLAN

Hazard Control Meas	ures (Check all that appl	у):	
PPEThermal/linedEyeDermal/handHearingRespiratoryReflective vestsFlotation device Fall ProtectionHarness/lanyardsAdequate anchorageGuardrail systemCovered openingFixed barricadesWarning system  Confined Space EntryIsolationAir monitoringTrained personnelPermit completedRescue	Protective Systems Sloping Shoring Trench box Barricades Competent person Locate buried utilities Daily inspections  Air Monitoring PID/FID Detector tubes Radiation Personnel sampling LEL/O2 Other  Medical/ER First-aid kit Eye wash FA-CPR trained personnel Route to hospital	Fire Protection  Fire extinguishers  Fire watch  Non-spark tools  Grounding/bonding  Intrinsically safe equipment  Proper Equipment  Aerial lift/ladders/scaffolds  Forklift/ Heavy equipment  Backup alarms  Hand/power tools  Crane w/current inspection  Proper rigging  Operator qualified  Heat/Cold Stress  Work/rest regime  Rest area  Liquids available  Monitoring  Training	Electrical  Lockout/tag out  Grounded  Panels covered  GFCI/extension cords  Power tools/cord inspected  Welding & Cutting  Cylinders secured/capped  Cylinders separated/upright  Flash-back arrestors  No cylinders in CSE  Flame retardant clothing  Appropriate goggles  Vehicle/Traffic  Traffic control  Barricades  Flags  Signs
Permits  Hot work  Confined space  _ Lockout/tag out  _ Excavation  _ Demolition  _ Energized work	Demolition  Pre-demolition survey Structure condition Isolate area/utilities Competent person Hazmat present	Inspections:	Training:  Hazwaste Construction Competent person Task-specific (THA) Hazcom
Field Notes:			

Supervisor signature:

### F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

Project. RARITAN A	RSENA ( Date: 11-11-13
TOPICS DISCUSSED:	Date
1.	
2. Se Agar en 750	
3.	
4.	
5.	
6.	
7.	
1	10.0//1/1/
MEETING CONDUCTED BY: J.MARCH	ALC SIGNATURE: Milly fall
MEETIN	NG ATTENDEES
Name/Company	Signature
1. Charles Rose CH2M Hill	Charles !
2. Mike Malko CH2M Hill	M CIVVUIDE
3. Jim Marshall CH2M Hill	Millarder
4. Jonathan Waldron CH2M Hill	Cepatho Walle
5. Andrew Gascho CH2MHILL	A. CARCALO
6. Joseph Agner USAE	12
7. John Baird USAE	of the
Jefferson Baker USAE	1005
Michael Bealer USAE	Mondon
10. Bart Belcher USAE	Best N aspen
11. Chris Bernard USAE	finding find management
12. Jacob Black USAE	In M
13. Kenneth Brown USAE	130 D
14. Capano John USAE	
15. Dee Clark USAE	Declark
16. Richard Coble USAE	12.02410C
17. Joseph Dalora USAE	
18. George Edwards USAE	
19. Egbert Tom USAE	
20. Matthew Farrell USAE	111.47
21. Jody Fite USAE	C Ser
22. Justin Gay USAE	To Man
23. Michael Golluscio USAE	miss
24. Kelan Hammond USAE	7/m7()
25. Manthey Wayne USAE	22 10 1/2
	The start of

RFI WP, APPENDIX F—FORMS REV 0, 8/5/2010

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CONTRACT #: W91ZLK-05-D-0014 TASK ORDER #:0001

MEETING ATTENDEES			
Name/Company	Signature		
26. Kevin Massey USAE	A Comment of the comm		
27. Matter Phil USAE	Phomos		
28. McCoig Jason USAE			
29. Morgan Robin USAE	An 1 In		
30. Moyer Rick USAE	2.12		
31. Jesse Norman USAE	Can No		
32. Palverento Angelo USAE	angeloPalverento		
33. Rogaliner Rick USAE			
34. James Royalty USAE	Real St.		
35. Paul Schmidt USAE	0 0		
36. Christopher Stack USAE			
37. Jeffrey Sullivan USAE			
38. Steve Thomas USAE			
39. Earl R Vance USAE	ERIL		
40. Jeffrey Vandervort USAE			
41. Robert Wallace USAE	and falled -		
42. Charles Ward USAE	the state of the		
43. Michael Watson USAE	and the same of th		
44. David Wheeldon USAE	gettin.		
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	Geder Stor the		
51. PAIL SCHAEFFER  52. MINCE PANICHELL, 53.	and di		
53.	101.0CM		
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HSSE Target Z.CTO
World-Class Performance

### CH2MHILL

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

	rsend Location: Edi,	50 N , N 5
Date: 11/11/13		
Supervisor: Chrt Rose Activity: Renedact	Dob Job	
Activity: <u>Cenedial</u>	Investigation	
Attendees: Print N	lame .	- Sign Name
Eik	KH	- Chil
PETE	R Jump	TAN
1	HERRIPGE	
FREG	SLETTEN	4/10
4	1 6/000	- Juli
On (	Charlet VI	600
List Tasks and verify that applic	cable AHAs have been reviewed:	
MARCHANT DOM,	Island Recon	
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipment
10015/ Equipment negatives for	rusius (ladacis, scarrolas, fair protect	cion, cranes/rigging, neavy equipment
nower tools).		
2		
power tools):		
3001,	ng chemical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, including	ng chemical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, including	ng chemical, physical, safety, biologic Trench, excavations, cave-ins	
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Potential H&S Hazards, includir apply): Chemical_burns/contactPressurized lines/equipment	Trench, excavations, cave-ins Overexertion Pinch points	Ergonomics Chemical splash Poisonous plants/insects
Potential H&S Hazards, includir apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
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Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress
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Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
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Potential H&S Hazards, includir apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Wanual lifting Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
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Potential H&S Hazards, including apply):  Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities Other Potential Hazards (Descri	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Wanual lifting Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Potential H&S Hazards, includir apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Wanual lifting Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition

Thermal/lined Sloping Fire extinguishersLockout/tagoutShoringFire watchGroundedPanels coveredShoringRespiratoryReflective vestsLocate buried utilitiesDaily inspectionsBarricationHarness/lanyardsPID/FIDAerial lift/ladders/scaffoldsCylinders separated/utilityDetector tubesGuardrail systemCovered openingPersonnel samplingPanels coveredShoringLockout/tagoutGroundedGroundedGroundedGroundedGroundedGroundedShoringPanels coveredPanels coveredPower toolsPower toolsLockout/tagoutGroundedPanels coveredPanels cove	PE	es (Check All That Apply):    Protective Systems	Fire Protection	Electrical
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Dermal/hand		Shoring	Fire watch	Grounded
Hearing   Barricades   Competent person   Compete		Trench box	Non-spark tools	Panels covered
Respiratory Reflective vests Locate buried utilities Daily inspections Entry Permits/notification Air Monitoring Harness/lanyards Adequate anchorage Gouardrail system Covered opening Fixed buricades Warning system Other Other Other  Confined Space Entry Isolation Air monitoring Air monitoring Fermits Air monitoring Formits Air monitoring Forkiff/heavy equipment Confined Space Entry Isolation Air monitoring Air monitoring Air monitoring Air monitoring Air monitoring Demolition Hot work Confined space Locate anchorage Locate buried utilities Lockout/tagout Locate buried utilities Lockout/tagout Locate buried utilities Dig alert called Air monitoring Air monitoring Locate buried utilities Dig alert called Air monitoring Locate buried utilities Lockout/tagout Locko		Barricades	Grounding/bonding	GFCI/extension cords
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Monitoring   Daily inspections   Entry Permits / notification   Proper Equipment   Alif Monitoring   Cylinders secured/cap   Cylinders secured/cap   Cylinders secured/cap   Cylinders secured/cap   Cylinders secured/cap   Cylinders separated/u   Backup alarms   Flash-back arrestors   No cylinders in CSD   Flash-back arrestors   Heat/power tools   No cylinders in CSD   Flash-back arrestors   Medical/ER   Heat/Cold Stress   Vehicle/Traffic   Traffic Control   Rest area   Barricades   Flash control   Flash control   Flash control   Flash control   Fla	_ /	Locate buried utilities		Overhead line clearance
Hard Hat	_ /	Daily inspections		Underground utils ID'd
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OtherOperator qualified	- The state of the			
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Permits	Air monitoring	1 — /		
Permits	Trained personnel	1 —/	1	I would have
Permits Demolition Inspections: Training:  Hot work Pre-demolition survey Ladders/aerial lifts Hazwaste (current)  Confined space Structure condition Scaffolds Competent person Heavy equipment Task-specific Prill rigs/geoprobe rigs Cranes and rigging Cranes and rigging Utilities marked Hazcom  Underground Utilities Mork More Task-specific Previewed and approved by HSM Opsite and current Proposite and current Propos	Permit completed	Route to hospital		Signs
	Rescue			
	Darmite	Demolition	Inspections:	Training:
Confined space		The state of the s	E or come we are supported	
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Excavation	<del></del>			
	The state of the s	Section 1		
	The state of the s			
Underground Utilities		nazmat present		
Underground Utilities  _Dig alert called _3rd Party locater _As-builts reviewed _Interview site staff _Client review _soft locate necessary?  Incident Communications _Work stops until cleared by TM/CM _TM/CM _Immediate calls to TM/CM _Client notification _24 hour notification setup _Clear communications  AHA's _Vreviewed and approved by HSM _onsite and current _applicable for this day's work _Communication and incident processes included? _Communication and incident processes included?	Energized work			
				Tid20011
		WARRANT CO.		
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Client review				
clear communicationsClear communications		The state of the s	Communication and incident pro	cesses included?
		<del></del>		
Field Notes (including observations from prior day, etc.):	_soft locate necessary?	Clear communications		
Field Notes (including observations from prior day, etc.).	Field Natas limburdina	absorvations from prior day	otc ):	
	Field Notes (including	observations from prior day, e	zic.).	
	-			

Name (Print)	Chore Rose	
	Ch Ru	Date: 11/11/13

## CH2MHILL

## 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.):				

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

MAY 2021

CH2MHILL

### 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

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TEC I Thomas, Steve		1		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 Watson, Michael  TEC II Bernard, Christopher				40		8	
TEC II Clark, Denise				40		8	
TEC II Wheeldon, David				40		8	
TEC II Norman, Jesse				40		8	
TEC II Norman, Jesse				40			
EQUIDMENT ON WAND							
EQUIPMENT ON HAND	M-1/A# 1 10	Iomuft-	F: .	ID No1	M:1. /77	ung for day (If A ==1' 11 )	
Description of Equipment	Make/Model/M	lanutacturer	Equipment	ID Number	Miles/Ho	urs for day (If Applicable)	
Rental Van	Ford 12	PX		<u> </u>		25	
Rental Van	Ford 12		2		24		
Rental Van	Ford 12		<u> </u>	3		28	
Crew Cab Pick Up	Ford 3	150	Brush		20		
Extended Cab Pick Up	Ford 1		SUXOS		45		
Open Trailer	10101		Brush T1			0	
Open Traler				sh TI		0	
Utility Vehicle				or 1		0	
Utility Vehicle				or 2		0	
Skid Steer with Cutter Head	Bobcat	320		cat 1		0	
Crew Cab Pick Up	Dodge 2			ep 1		22	
Weed Eater (16)	Stih		+	/A			
Weed Eater (4)	Hono			/A			
Chain Saw (2)	Stih			/A			
Schonstedt (18)	Shonst		+	/A			
Camera Field Digital w/GPS (3)_			1,				
Radio w/Charger (8)	Nikon Motorola						
Skid Steer with Cutter Head	Motorola  Bobcat 180		Roh	cat 2			
Skid Steel with Cutter Head	Вовсат	100	B00	cat 2			
			<u> </u>				

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

USAE Raritan PM and USAE Corp Safety/Operations will be on site Tuesday and Wednesday.

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Operations planned for Tuesday 12 Nov.

Recovery Bobcat #2 with mower deck then send it to area 1 Can notdoany additional work in area 2

Repair Bobcat #1 continue and work area 1

Deploy 3 teams to begin manual cutting of wet areas in area 12

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.

**Escort USAE PM as required** 

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CH2MHILL

# CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		019			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		11/12/13			
REVISION NUM	MBER:	1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ			
PROJECT NUM	ROJECT NUMBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor: Chris Rose			SITE HEALTH & SAFETY OFFICER:		Jonathan Wald	ron			
AM WEATHER:	Overcast, Mix of r 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
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

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

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COMMENTS (accep	tance status	s, inspection findings, etc.): None				
WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS				
Performed Work / Tes HILL, and NJ DOE ut	t for Today: ilize boat to	Daily Tailgate, PTSP, field and equipment inspection gain Access to DSA#4 island areas to determine work	ns, Aquatic DGM, Bru c plan feasibility.	sh clearing	in Area 12 and DSA#2.	USACE, CH2M
Planned Work / Test fo	or Tomorrow	v: Continue with Aquatic DGM, Vegetation/Brush rec	duction and removal.			
Planned Work / Test for	or Next Wee	k: Vegetation clearance/ reduction				
project attributable to	site and weat edule due to	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): Not delays encountered for to difficulty with vegetation reduction productivity or Dec. 2 <sup>nd</sup> 2013.	day. Equipment fun	ctioned pro	perly and without incid	], delays to the lent.
VISITORS AND DIS	CUSSIONS	S: USACE and NJDOE - See attached QC and Pro	duction Report for d	letails on sit	e visitors, discussions a	nd meeting
		QUALITY CONTRO	L REPORT			
MATERIALS DELI	VERED TO	JOB SITE				
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer		Material Lot Number	Inspection Performed By
		See Attached				
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass				
INSPECTIONS PER	FORMED					
Task/Activity Insp	pected	Inspection Performed			Findings	
Schonsted inspe	ction	Daily/Serviceability			Pass	
GPS Equipme	ent	Daily/Serviceability			Pass	
Generator		Daily/ Serviceability			Pass	
Fire Extinguish		Monthly			Pass	
First Aid Ki		Monthly			Pass	
Bob Cat / ARG		Daily/Weekly			Pass	
Field Vehicle	es	Daily/Weekly			Pass	
N.						
TESTS PERFORME				ı	<b></b>	
Task/Activity To		Test Performed			Test Results (Pass/Fail)	- Criteria
	PS equipment Function and accuracy test  QC check				Pass Pass	
Schonsted Site communication / R	Padia	Radio Check			Pass	
Site communication/ R	kauio	Tadio Check			2 400	

OUALITY IS	SUES AND RE	ESOLUTIONS: noi	ne				<u>I</u>			
		1	SUBMITTALS INS	SPECTION /						
Submittal No	o. Submitt Descript		Specification/Plan Reference		Subr	nittal A	pprove	d?	Comment/Reaso	n/Action
NA					Yes		No			
					Yes		No			
					Yes		No			
					Yes		No			
				ļ				l		
			REGULATORY CO	MPLIANCE	E REPO	RT				
PERMIT INS	SPECTIONS PI	ERFORMED: NA								
T 15	c 1.D	ı	ASTE ACCUMULATION/S'	1			1			
Inspection Per		NA		Signature o	f Inspec	tor:	NA			
Accumulation Stockpile Area		NA								
No of Containers:	NA	No of Tanks	NA	No of Roll-	Off Box	kes:	NA		No. of Drums	NA
Inspection Re	sults: NA									
			CENEDAL	COMMEN	rc					
General Come	nents (rework	directives etc.). IIC	A Environmental's PM on site	COMMENT		ith pass	game	nlan as to see	aroach for finishing	up with
			lan will be announced NLT Fr	•				pian as to app	proach for fillishing	up with
				CHMENTS						
			bmittals, meeting minutes, saf Report, Daily UXO Safety Bri							ork item list,
portions or de and last name	signate as "not agon on each complet	ly in ink. Line out a pplicable". Prepare ted daily report. The signed electronical	r signs first is form may	Jonathan					1	1/12/13
Se imod out o	continuity and	ongrica crectionical	.,,	PREPARE	R'S SIGN	ATURE				DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-228

				,							
CH2M HILI	Ĺ	CO	NTE	RACTOR PRODU	CT	ION REP	ORT			F REPORT: 11/12	/2013
W912DY-09-D-00	060			TTACH ADDITIONAL SHEE					REVISIO	ON NO: ON DATE:	
CTO NO: 003		DDOIECT NAME	/I OC	ATION: Former Beritan Are	am a 1	DI/EC			-	NO: 019	
	27046	PROJECT NAME	ME/LOCATION: Former Raritan Arsenal – RI/FS				HWOGO	T: 3.6:11	<del></del>		N. 6. 11
				SO: Jim Miller UXOQCS: Mike Malke							
AM WEATHER: Clou	idy, win	dy, snow/ cold	PM	WEATHER: Cloudy, windy / co		DEODMED #	MAX TEN	/IP: 41 F		MIN TEMP: 34 °F	
A host trip to view DS	Δ A and	DSA 6 was made with	LISAC	SUMMARY OF WORD	K PE.	RFORMED TO	ODAY				
1				•							
				ely 98% complete with just some ansects were completed: 7 A-B,				l 18 C-D. T	he following to	ransects were started:	11 A-B, 19
Underwater DGM con	tinued ii	n Area 12.									
	continue	ed in DSA2 completing	transec	(EPA Property) tts 1, 2 and 3. Approximately 80 ty) has been completed.	% of t	he surface clearan	nce of DSA 2	has been c	ompleted.		
	Was A	A Job Safety Meetin	g Helo	1 This Date?		⊠ Yes	☐ No	_		OURS ON JOB S	
		there any lost-time s, attach copy of compl				☐ Yes	⊠ No	СН2М	HILL On-Sit	e Hours	46
JOB		a Confined Space Ers, attach copy of each p		rmit Administered This Date	e?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	312
	Were	Crane/ Man-lift/ Tr	enchin	g/ Scaffold/ HV Electric/Hig	gh			Total C	n-Site Hour	rs This Date	358
\	Work	/ HAZMAT Work I	Oone?	showing inspection performed)		☐ Yes	⊠ No			Work Hours	2542
									<i>revious Repo</i> Tork Hours F		+
				Released into the Environm t and proposed action)	ent?	☐ Yes	⊠ No	Constru		ioni start or	2900
				NSPECTIONS CONDUC' Daily safety briefing; equipmen			violations,	correctiv	e instruction	s given, corrective	actions
EQUIPMENT/MATI	ERIAL	RECEIVED TODAY	то ві	E INCORPORATED IN JOB							
	OF EQU RECEI	JIPMENT/MATERIAI VED	,	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			PECTION ORMED BY	NUMBER/ V WEIG	
EQUIPMENT USED	ON JO	B SITE TODAY.						•		•	
EQUIPMEN <sup>®</sup>	T DESC	CRIPTION	EO	UIPMENT MAKE/MODEL	Sz	AFETY CHECK I	PERFORME	D BY	N	UMBER OF HOURS	S
			`						USED	IDLE	REPAIR
	GPS			Trimble Geo XH		Chris			8	8	
	ty Vehic	cle		Argo		Mike N		+	0	8	
	Frailer			Leonard Trimble Geo XH		Mike Mike M			0 8	0	
	GPS	ale				Jonathan '			10	0	
	-up True			Dodge Ram 1500 Chevrolet Silverado		Mike M			9	0	
	sup truc			Ford Edge		Chris			10	0	
	SUV			Ford Edge		Jim Ma			9	0	
	Car			Ford Fusion		Andy C			8	0	
Offi	ce Trail	er		ModSpace		Jonathan '	Waldron		10	0	
	enerator			Ingersol Rand		Jonathan '	Waldron		10	0	
Ports	able toil	et		Satellite Industries		Chris	Rose		8	0	
Porta	able toil	et		Satellite Industries		Chris	Rose		8	0	
Utili	ty Vehic	ele		Bobcat		Jonathan '	Waldron		0	8	
1	Гrailer			EZDumper		Jonathan '	Waldron		0	8	
CHANGED CONDIT				OUNTERED ( <i>List any confli</i> e.):	cts wi	ith the delivery	order [i.e.,	scope of	work and/or	drawings], delays	to the

VISITORS TO THE SITE: USACE-NY: Sandra Piettro, Allen Roos; NJDEP: Anthony Cinque, Nancy Hamill, Anne Hayton, David Van Eck; UXO Pro: Jim Pastorick

 ${\it LIST~OF~ATTACHMENTS}~(OSHA~report,~confined~space~entry~permit,~incident~reports,~etc.):$ 

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODU		1	DATE OF REPORT: 11/12/20 REVISION NO: REVISION DATE:	013		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Ars	OJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS					
	WORK PER	FORMED TODAY	•				
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS		
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10		
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	9		
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	9		
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	10		
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	8		
	INCLUDE ALL PERSONNEL WORK HOU	RS IN THE TOTAL WORK HOURS	ON JOB SITE				
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chri Ros	ş.	11/12/13			
		SUPERINTENDENT'S SIGN	ATURE	DATE	_		

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

MAY 2021

Project. RI/FS Former Rari	tan Arsenal		Date: 11/12/2	2013
LOCATION OF WORK: DSA	#1, DSA #2, Area	a 10, Area 18D		
т	ransect layout a	nd marking, Veget	ation Removal	, Surface
	Clearance, 1			
WEATHER: ☐(CLEAR)	☐(FOG)	$\boxtimes$ (P.CLOUDY)	$\boxtimes$ (RAIN)	$\square$ (WINDY)
TEMPERATURE:	MIN: <u>31</u> °F		MAX: <u>46</u> °F.	
Work completed today by sul	ocontractor:			
CH2M Hill's subcontractor USAE	completed the s	surface clearance	of Area 10 and	continued the
Surface clearance of DSA #2 an	•	dirace electronice	<u> </u>	CONTINUOU LITO
CH2M Hill's subcontractor USAE		tation removal in A	rea 12 and DS	
Visiual Site survey or DSA#4 and				<i>,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		•		
2. Work completed today by QC	c inspection staff	:		
Follow on Inspection DFOW Sur	rface Clearance			
Weekly QC teleconference,				
3. All work performed in conform	ance with Work	Plan requirements	? Yes	
If not, explain:				
4. Non-conformances/deficiencie	es reported:			
5. Comments:				
		N: I certify that the a		
		I, or my representat report and have de		
		pelief that noted wor		
	with work plans	and specifications, e		
	above.	10 -00		
	Wheh	Sam	Cham	
	4	•		

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	
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, I	LOCATION, AND LIST PERSONNEL PRESENT
Surface Clearance Area 1, Area 2, DSA #2 Michael Malko	2, DSA #1
Jonathan Waldron Jim Marshal	
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
conducted today. The area was inspected	d vegetation Removal of Area 10 and Area 18D was and no MEC and no scrap metal larger than 2"x2" inches Team recovered all surface laid blind seeds from these
	O Team process and procedures during sweep operations the proper PPE and all work was IAW the Work Plan,

F-232

11-12-2013

Date

Michaela Milko

Project QC Specialist



### CH2MHILL

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

	seJob	
tendees: Print Nar	me	Sign Name
tendees: Print Nar		Jight Name
See	stacked.	
	•	
	•	
st Tasks and verify that applicat	ole AHAs have been reviewed:	2
		m 77/0/
MECH / MANUAL	VEGENVER	MOUAL
SUPLACE CIEL	PEANCE / BOAT	TAGM
34KTACE CLASS	00,11	00"
ools/Equipment Required for Ta	asks (ladders, scaffolds, fall protect	ion, cranes/rigging, heavy equipmer
ower tools):		
*		
. 0 \ 2 -00		
24 SKID STEEK	Wouth Leads	
24 SKID STECK CHAIN/ BRUSL S	? w/cutte heads	
2 X SKID STECK CHAIN/ BRUSL S SCHONSTADT	Raws	
		cal and environmental (check all tha
otential H&S Hazards, including pply):		
otential H&S Hazards, including pply): _Chemical burns/contact	chemical, physical, safety, biologic	cal and environmental (check all that
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment	chemical, physical, safety, biologic Trench, excavations, cave-insOverexertion	Ergonomics
otential H&S Hazards, including pply): _Chemical burns/contact _Pressurized lines/equipment _Thermal burns	chemical, physical, safety, biologic	cal and environmental (check all that
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical	Trench, excavations, cave-ins OverexertionPinch points	Ergonomics Chemical splash Poisonous plants/insects
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  _Weather conditions	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment _Thermal burns _ Electrical _ Weather conditions _ Heights/fall > 6 feet	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasions	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stress
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  _Weather conditions  _Heights/fall > 6 feet  _Noise	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard
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otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment _Thermal burns _Electrical _Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation _Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cutting	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolition
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment _Thermal burns _Electrical _Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation _Confined space entry _Underground Utilities	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsManual liftingWelding/cuttingSecurity	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment _Thermal burns _Electrical _Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation _Confined space entry _Underground Utilities	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity  pe):	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolition
otential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment _Thermal burns _Electrical _Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation _Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsManual liftingWelding/cuttingSecurity	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardHeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolition

PE	es (Check All That Apply):    Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
_ Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities	memsion, sare equipment	Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		_ onderground attistible
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
	Detector tubes	Forklift/heavy equipment	Cylinders separated/uprigh
_ Adequate anchorage	Radiation	Backup alarms	Flash-back arrestors
_ Guardrail system		Mand/power tools	
_ Covered opening	Personnel sampling		No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	✓First-aid kit	Work/rest regime	✓ Traffic control
Air monitoring	✓Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	✓ Route to hospital	V Monitoring €	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Task-specific
 Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
ri i i i i i i i i i i i i i i i i i i	Incident Communications	AHA's	
Underground Utilities	Work stops until cleared by	Areviewed and approved by HSM	
Dig alert called	TM/CM	on site and current	
3 <sup>rd</sup> Party locater	Immediate calls to TM/CM	Vapplicable for this day's work	
As-builts reviewed	Client notification	Communication and incident pro	corses included?
Interview site staff	24 hour notification setup	Communication and incident pro	cesses included:
Client review	Clear communications		
_soft locate necessary?			
1 1 · · · · · · · · · · · · · · · · ·	1	1-1-1	
Field Notes (including	observations from prior day, e	PTC.):	

Name (Print): J. MARSHACL	A
Signature: Miller field	

Date: 11-12-13

### F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

0: 1	
	RSENAL Date: 11-12-13
TOPICS DISCUSSED:	
1.	
2.	
3.	
4.	
5. 6.	
7.	
1.	20 / / /
MEETING CONDUCTED BY: J. MARS H.	ALL SIGNATURE
	NG ATTENDEES
	Signature
Name/Company  1. Charles Rose CH2M Hill	
2. Mike Malko CH2M Hill	Clarin Company
3. Jim Marshall CH2M Hill	Milli
Jonathan Waldron CH2M Hill	Miller
5. Andrew Gascho CH2MHILL	1 (ACO)
6. Joseph Agner USAE	4.404
7. John Baird USAE	The same of the sa
8. Jefferson Baker USAE	The state of the s
9. Michael Bealer USAE	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10. Bart Belcher USAE	William Sil
11. Chris Bernard USAE	But 18 Ollen
12. Jacob Black USAE	The state of the s
13. Kenneth Brown USAE	
14. Capano John USAE	1×9×
15. Dee Clark USAE	Dée Clark
16. Richard Coble USAE	DELCE
17. Joseph Dalora USAE	Mala
18. George Edwards USAE	
19. Egbert Tom USAE	Jon Ca
20. Matthew Farrell USAE	Mas
21. Jody Fite USAE	(It
22. Justin Gay USAE	1/4 ton
23. Michael Golluscio USAE	1000
24. Kelan Hammond USAE	1/m71/
25. Manthey Wayne USAE	my flesh

MEETING ATTENDEES			
Name/Company	Signature		
26. Kevin Massey USAE	1-7		
27. Matter Phil USAE	All mass		
28. McCoig Jason USAE	122		
29. Morgan Robin USAE	i ha		
30. Moyer Rick USAE	Lish m		
31. Jesse Norman USAE	1. 1		
32. Palverento Angelo USAE	Christo la Variato		
33. Rogaliner Rick USAE	A C		
34. James Royalty USAE	ane Rosely		
35. Paul Schmidt USAE	Trend The Y		
*36. Christopher Stack USAE			
37. Jeffrey Sullivan USAE			
38. Steve Thomas USAE			
39. Earl R Vance USAE	Sact		
40. Jeffrey Vandervort_USAE	7800		
41. Robert Wallace USAE	1/1/1/1/1		
42. Charles Ward USAE	chairs wo Vand		
43. Michael Watson USAE	2/1/2/		
44. David Wheeldon USAE	grans.		
45. Ben Dameron NAEVA			
46. Jesse Powers NAEVA			
47. Peter Jump NAEVA			
48. Brian Herridge 3Dgeophysics			
49. Erik Kitt 3Dgeophysics			
50. Greg Sletten 3Dgeophysics	1 0		
51. ROBERT GUCWA USA	All		
52.			
53.			
54.			
55.			
56.			
57.			
58.			

# HSSE Target Zero Target Zero World-Class Performance

### CH2MHILL

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

upervisor: C.Rose	Job	
ctivity: Aquatic Dam		
ttendees: Print N	ame	Sign Name
(04)	(Fac.)	MA .
	HERRIDUC	y we
Fok	Kitt	
Pergr	JVM P	1250
Jon (	Valdra	July _
power tools):	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmer
power tools): Had Lools, Road,	DGM Egypnort, G.PS	
Potential H&S Hazards, including	DGM Egypnort, G.PS	Equipme?
Potential H&S Hazards, including apply): Chemical_burns/contact	DGM Ggu, John J. S. P.S.  Ing chemical, physical, safety, biologi  — Trench, excavations, cave-ins  — XOverexertion	ical and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment	DGM Ggu, mod , G7 PS  Ing chemical, physical, safety, biologi  — Trench, excavations, cave-ins	ical and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment	DGM Ggu, John J. S. P.S.  Ing chemical, physical, safety, biologi  — Trench, excavations, cave-ins  — XOverexertion	ical and environmental (check all that  LE Ergonomics  L Chemical splash
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	DOM Grupped, GPS  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  XOverexertion  XPinch points	ical and environmental (check all that  Legui (ma)  Le
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  Thermal burns _Electrical	Dom Grupped, GPS  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  XOverexertion  XPinch points  Cuts/abrasions	ical and environmental (check all that  Legonomics Lego
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	DOM Grupped, GPS  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  XOverexertion  XPinch points  Cuts/abrasions  Spills	ical and environmental (check all that  Legonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Dom Gaymand, GPS  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  XOverexertion  XPinch points  Cuts/abrasions  Spills  Overhead Electrical hazards	ical and environmental (check all that  Legonomics Lego
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Dom Grupped, GPS  Ing chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical	ical and environmental (check all that  Legonomics Lego
Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment  Thermal burns Electrical Weather conditionsHeights/fall > 6 feetNoise	Dom Gaymand, GPS  Ing chemical, physical, safety, biologic  Trench, excavations, cave-ins  XOverexertion  XPinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  XSlips, trip and falls	ical and environmental (check all that  Legonomics Lego
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Dom Grupped, GPS  Ing chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical	Ergonomics  Legal Chemical and environmental (check all that we be a considerable of the check all that we be a considerable of the check all that we be a considerable of the check all that the check all that we be a considerable of the check all that the check all that the check all

PE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
_ Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	∠ Competent person	Intrinsically safe equipment	Y_ Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	X Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards/	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	✓ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
	No visible dust	Proper rigging	Appropriate goggles
Tyvarining System	Other	☑ Operator qualified	- Appropriate gossies
,		Le specialis quantità	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
_ Isolation	¥ First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	ANN AND A STORY
	Demolition	Inspections:	Training
Permits			Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	_ Structure condition	Lanyards/harness	₹ Construction
Lockout/tagout	_ Isolate area/utilities	Scaffolds	X Competent person
Excavation	Competent person	X Heavy equipment	X Task-specific
Demolition	_ Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities /	Incident Communications	AHA's	
Dig alert called	∠ Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	∠on site and current	
As-builts reviewed	✓ Immediate calls to TM/CM	Papplicable for this day's work	
_Interview site staff	X_Client notification	Communication and incident pro	ocesses included?
Client review	$\frac{1}{2}$ 24 hour notification setup		
soft locate necessary?	✓ Clear communications	-	
Field Notes (including	observations from prior day, et	tc.):	

Name (Print):

Date: 11/12/13

### CH2MHILL

	Safe E	3ehavio	r Observation Form	
⊠Federal or □Commercial S	Sector (	check c	ne) ⊠Construction or ⊡Con	sulting (check one)
Project Number: 427946		Client	Program: Army Corps of Engineer	s
Project: Name: Former Raritan Arse Remedial Investigation	enal	Obser	ver: Jim Marshall	Date: 11/12/13
Position/Title of worker observed: UXO Team	membe	ers	Background Information/ comments:	
Task/Observation Surface Cle Observed:	arance	DSA 1	)	**************************************
	practice es, cond s elimina	s/acts ditions, cating/red	ontrols, and compliance that eliminate ucing hazards (do you have what you	
Actions & Behaviors	Safe	At- Risk	Observations/Com	ments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	Х		Positive Observations/Safe Work Practices:  PTSP and safety brief conducted. Team leader cond tailgate briefing at DSA 10 prior to start of sweep ops	
Properly trained/qualified/experienced	х		prescribed PPE worn. MEC precauti	ons taken.
Tools/equipment available and adequate	Х			
Proper use of tools	Х		Questionable Activity/Unsafe Con	dition Observed:
Barricades/work zone control	Х			
Housekeeping	Х			
Communication	Х			
Work Approach/Habits	Х			
Attitude	Х			
Focus/attentiveness	Х		Observer's Corrective Actions/Co	mments:
Pace	Х		250.02	
Uncomfortable/unsafe position	Х		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
Inconvenient/unsafe location	Х		12.00	
Position/Line of fire	Х		8	
Apparel (hair, loose clothing, jewelry)	х			
Repetitive motion	Х		Observed Worker's Corrective Ac	tions/Comments:

For ES Federal Sector projects please email completed forms to: CH2M HILL ES FED Safe Behavior Observation 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

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## **CH2M**HILL

# 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.):			

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CH2MHILL	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	

### SUMMARY OF WORK PERFORMED TODAY

FIELD TEAM LEADER

Edwards, George

Completed Surface Sweep of area 10

Completed Surface sweep of area 2

PROJECT MANAGER:

Completed Surface Sweep of 50% Area 1.

Continued manual cutting in area 12 approximatley 30% to date

Rob Gucwa

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 1 McCoig		50	8
TEC 1 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

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50	8
=0	
50	Sick
40	8
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	40 50 50 50 50 50 50 50 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	

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

USAE Raritan PM and USAE Corp Safety/Operations will be on site Wednesday.

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

Operations planned for Wednesday 13 Nov.

Escort USAE Staff as required
Continue Manual cutting in area 12
Complete last 5% of cutting in area 1
Complete remaining surface sweep in area 1
Begin Mechanical cutting in area 12
Begin Sweeping in area 12 as available



# CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		020			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		11/13/13			
REVISION NUM	MBER:	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 Jonathan Wal		Jonathan Wald	ron				
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, Co	ld	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

WORK FORCE - CONTRACTOR AND SUDCONTRACTOR							
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

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COMMENTS (accep	tance status	s, inspection findings, etc.): None					
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN PROGRESS					
		Daily Tailgate, PTSP, field and equipment inspection site to assess situation and devise plan for path forward	-	_			
Planned Work / Test for	or Tomorrow	v: Continue with Aquatic DGM, Vegetation/Brush rec	duction and removal.				
Planned Work / Test f	or Next Wee	k: Vegetation clearance/ reduction, Surveying, preppi	ing for DGM				
project attributable to No delays encountere Tuesday with Marsh	site and weat ed for today. Master. edule due to	Equipment functioned properly and without incide difficulty with vegetation reduction productivity is	dent. USA Environn	ental to de	nobe majority of field	•	
VISITORS AND DIS	SCUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting		
		QUALITY CONTROL					
MATERIALS DELI	VERED TO		-				
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer Material Lot Number			Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass	<u> </u>		<u> </u>		
INSPECTIONS PER	FORMED						
Task/Activity Ins	pected	Inspection Performed		Findings			
Schonsted inspe	ction	Daily/Serviceability		Pass			
GPS Equipme	ent	Daily/Serviceability			Pass		
Generator		Daily/ Serviceability		Pass			
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki	t	Monthly			Pass		
Bob Cat / ARG	GO	Daily/Weekly			Pass		
Field Vehicles Daily/Weekly				Pass			
TESTS PERFORME				•			
Task/Activity Tested Test Performed					Test Results (Pass/Fail)	- Criteria	
GPS equipme	ent	Function and accuracy test			Pass		
Schonstedt		QC check			Pass		
Site communication/	Radio	Radio Check			Pass		

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QUALITY IS	SSUES AND RE	SOLUTIONS: no	ne						
			SUBMITTALS INS	SPECTION /	REVIEV	W			
Submittal No. Submittal Specification/Plan Re			Specification/Plan Reference		Submi	ittal A <sub>l</sub>	pproved?	Comment/Reaso	on/Action
NA				Yes			No 🗌		
					Yes		No 🗌		
					Yes		No 🗌		
					Yes		No 🗌		
			REGULATORY CO	MDI IANCI	F DEDOL	DТ			
PERMIT INS	SPECTIONS PE	ERFORMED: NA	REGULATORI CO	JNII LIANCI	E KEFOR	N I			
	,12011011011	(11.1227111							
		W	ASTE ACCUMULATION/S	TOCKPILE	AREA II	NSPE	CTION		
Inspection Per	formed By:	NA		Signature of	of Inspecto	or:	NA		
Accumulation Stockpile Are		NA							
No of Containers:	NA	No of Tanks	NA	No of Roll-	-Off Boxe	es:	NA	No. of Drums	NA
Inspection Re	sults: NA		•	•			•		
			GENERAL	COMMEN	TS				
vegetation red team		ce clearence. New p	SA Environmental's PM still oplan will be announced NLT Fr						
			ATTAC	CHMENTS					
			ubmittals, meeting minutes, sat n Report, Daily UXO Safety Br						
portions or de and last name	signate as "not a on each complet	y in ink. Line out oplicable". Prepare ed daily report. The	er signs first nis form may	Jonathan	Waldron	1			11/13/13
be filled out e	ectionically and	signed electronical	шу.	PREPARE	ER'S SIGNA	TURE			DATE

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			7111211211111	-,	I ILLI OILIO					
CH2M HILL	C	NTI	RACTOR PRODU	СT	ION REP	ORT			OF REPORT: 11/13/	2013
W912DY-09-D-00	60	(ATTACH ADDITIONAL SHEETS IF NECESSARY)						REVISIO	ON NO: ON DATE:	
CTO NO: 003 PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS										
				Jim Miller UXOOCS: Mik			A-11			
			WEATHER: Clear, windy / colo	1				er	UXOQCS: Mike MIN TEMP: 27 °F	viaiko
AM WEATHER: Clear	AM WEATHER: Clear, windy / cold PM WEATHER: Clear, windy / cold MAX TEMP: 39 °F MIN TEMP: 27 °F  SUMMARY OF WORK PERFORMED TODAY									
Vegetation reduction wa	as completed in DSA.		SUMMART OF WOR	K FE.	KFUKWED I	JDA I				
		llowing to	ransects were completed: 16 A-B	, 17 A	-B,18 A-B and 17	E-F. The fo	llowing tra	nsects were st	arted: 21 A-B and 22 A	A-B.
Underwater DGM conti	nued in Area 12.									
The surface clearance o	f DSA 1 was completed.									
Land survey was compl	eted in Area 10									
			5 Dec Cellere accessed been b		4:6: 1					
			5 Dec. College personnel have b							
USAE will demob all powill arrive on Tuesday.	ersonnel except a 5 man bi	ush remo	val/surface sweep team starting to	omorro	ow. The team will	continue veg	getation red	uction and a	marsh master with cutt	ing head
	Was A Job Safety Mee	ting Hel	d This Date?		⊠ Yes	□ No			IOURS ON JOB SI	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)  ☐ Yes ☐ No CH2M HILL On-Site Hours						43				
(If Yes, attach copy of completed OSHA report)  Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)  Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High Work/ HAZMAT Work Done?  Yes No					Subcon	ractor On-S	ite Hours	320		
AF			ng/ Scaffold/ HV Electric/Hi	gh	_	_	Total O	n-Site Hou	rs This Date	363
(If Vac attach statement or checklist showing inspection performed)				Cumulative Total of Work Hours From Previous Report		2900				
	Was Hazardous Materi (If Yes, attach description		e Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No	Total W Constru		From Start of	3263
L	<u> </u>		INSPECTIONS CONDUC	TED	(Include safety	violations			ıs given corrective	actions
			Daily safety briefing; equipmen			rioiiiions,	corrective	instruction	is given, corrective	ucnons
EQUIPMENT/MATE	RIAL RECEIVED TODA	Y ТО В	E INCORPORATED IN JOB							
	F EQUIPMENT/MATER	AL	MAKE/ MODEL/		EQUIPMEN			PECTION	NUMBER/ V WEIGH	
1	RECEIVED		MANUFACTURER		NUMB	EK	PERF	ORMED BY	WEIGI	11
FOUIPMENT USED	ON JOB SITE TODAY.									
								N	NUMBER OF HOURS	
EQUIPMENT	DESCRIPTION	EQ	UIPMENT MAKE/MODEL	SA	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
(	GPS		Trimble Geo XH		Chris 1	Rose		8	0	
Utility	Vehicle		Argo		Mike N	Malko		0	8	
Ti	railer		Leonard		Mike N	<b>I</b> alko		0	8	
(	GPS		Trimble Geo XH		Mike N			8	0	
Pick-	ıp Truck		Dodge Ram 1500		Jonathan \			8	0	
	up truck		Chevrolet Silverado		Mike N			9	0	
	UV		Ford Edge		Chris			8	0	
	Con		Ford Edge		Jim Ma Andy G			9	0	
	Car e Trailer		Ford Fusion  ModSpace		Jonathan \			8	0	
	nerator		Ingersol Rand		Jonathan \	Waldron		9	0	
	ble toilet		Satellite Industries		Chris	Rose		9	0	
	ble toilet		Satellite Industries		Chris	Rose		9	0	
	Vehicle		Bobcat		Jonathan \	Waldron		0	8	
Ti	railer		EZDumper		Jonathan \	Waldron		0	8	
	ONS/DELAY/CONFLIC site and weather cond		OUNTERED (List any conflic.):	cts wi	ith the delivery	order [i.e.,	scope of v	vork and/or	drawings], delays i	to the
VISITORS TO THE S	ITE:									

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

MAY 2021

 ${\it LIST~OF~ATTACHMENTS}~(OSHA~report,~confined~space~entry~permit,~incident~reports,~etc.):$ 

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)						
CTO NO: 003	TO NO: 003 PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS REPORT NO: 020							
	WORK PERFO	ORMED TODAY						
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEI NUMBER	E TITLE/TRADE	HRS			
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	9			
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	9			
Jim Marshall	Subcontractor oversight	CH2M HILL		UXOSO	8			
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	8			
Andy Gascho	Subcontractor oversight	CH2M HILL		Project Geophysicist	9			
	INCLUDE ALL PERSONNEL WORK HOURS	S IN THE TOTAL WORK HOURS	ON JOB SITE					
SAFETY REQU	IREMENTS HAVE BEEN MET	Chris Rose	ج	11/13/13				
		SUPERINTENDENT'S SIGN	NATURE	DATE				

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Project. RI/FS Former Rarita	an Arsenal		Date: 11/13/2	2013
LOCATION OF WORK: DSA #	1. Area 10. Ar	ea 12, Area 18D		
2007.11011 01 11011111 207.11	1,71100 10,711	<u> </u>		
_				
	•	and marking, Veget	ation Removal,	Surface
DESCRIPTION OF WORK: CI	earance,			_
			<b>—</b> (=	
WEATHER: $\boxtimes$ (CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	□(RAIN)	$\square$ (WINDY)
TEMPERATURE:	MIN: <u>27</u> °F		MAX: <u>40</u> °F.	
1. Work completed today by sub-	contractor:			
CH2M Hill's subcontractor USAE	completed the	e surface clearance	DSA #1.	
CH2M Hill's subcontractor USAE	continued veg	jetation removal in A	rea 12.	
DSA #1 is awaiting QC inspection	for vegetation	n removal and Surfa	ce clearance.	
CH2M Hill's subcontractor VARG	O completed t	ransect survey of A	ea 18D and Ar	ea 10.
2. Work completed today by QC	inspection sta	iff:		
Follow on Inspection DFOW Surf	•			
Blind Seeding of Area 10.				
3. All work performed in conforma	unco with Worl	Z Plan roquiromente	? Yes	
	ince with vvon	K Flair requirements	! 165	
If not, explain:				
4 Non conformance/deficiencies				
4. Non-conformances/deficiencies	reported:			
5. Comments:				
There are two different shape files			am and survey	1
Subcontractor needs most curren	t to complete	transect layout.		_
		ON: I certify that the a		
		at I, or my representat		
		nis report and have de d belief that noted wor		
		s and specifications, e		
	above.			
	m I	Jam	16	
	" wen			

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	
Y=YES; N=NO; SEE REMARKS	
BLANK=NOT APPLICABLE	
WORK COMPLIES WITH WORK PLAN AS	Vac
APPROVED IN INITIAL PHASE	Yes
74 THOVED IN INTIMET TIME	
IDENTIFY DEFINABLE FEATURE OF WORK,	LOCATION, AND LIST PERSONNEL PRESENT
Surface Clearance DSA 1	
Michael Malko	
Jonathan Waldron	
Jim Marshal	
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
was performed today. All personnel were i	O Team process and procedures during sweep operations in the proper PPE and all work was IAW the Work Plan, ered all surface laid blind seeds from areas cleared
Michala Milkon	11-13-2013
Project QC Specialist	Date

HSSE Target LCIO
World-Class Performance

## CH2MHILL

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

ate: 11-13-13	SCAP Location: ESIS	EON NJ
upervisor: CHRIS A	Jose Job	
Attendees: Print Na	tacked	Sign Name
List Tasks and verify that applica  MECH/MANUAL  SURFACE SUR  WATER DEA	able AHAs have been reviewed:  Veg Removal  Deep of TRAINS	cers
POWER tools):  2 X SKID STE  CHAIN   BRUSH  SCHONSTADT	er w/entter,	cal and environmental (check all that
	Trench, excavations, cave-ins	Ergonomics
Chemical burns/contact	Overexertion	Chemical splash
Pressurized lines/equipment	Pinch points	Poisonous plants/insects
Thermal burns	Cuts/abrasions	Eye hazards/flying projectile
Electrical Weather conditions	2 Spills	Inhalation hazard
Heights/fall > 6 feet	Overhead Electrical hazards	Heat/cold stress
	Elevated loads	Water/drowning hazard
Noise Explosion/fire	Slips, trip and falls	Heavy equipment
Radiation	Manual lifting	Aerial lifts/platforms
	Welding/cutting	Demolition
Confined space entry	Security	
_Underground Utilities Other Potential Hazards (Descr	ibe):	Poor communications
419H 4/1°F,	WIND ZMEH	

azard Control Measure	es (Check All That Apply):	Fire Destroying	Floatrical
DE,	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	— Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	_ Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
The parties of the state of the			
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehiele/Traffic
Isolation	First-aid kit	Work/rest regime	<u> </u>
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	✓ FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	1 Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Jask-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
_ Energized work	ļ —	Cranes and rigging	Confined Space
Energiaco work	2	Utilities marked	Hazcom
	Incident Communications	AHA'_s	1
Underground Utilities	Work stops until cleared by	reviewed and approved by HSM	
Dig alert called	TM/CM		
3 <sup>rd</sup> Party locater	Immediate calls to TM/CM	on site and current applicable for this day's work	
As-builts reviewed	Client notification	Communication and incident pro	ocorror included?
Interview site staff	24 hour notification setup		oresses incinaen;
Client review	Clear communications		
_soft loçate necessary?	Cical communications		
Field Notes (including	observations from prior day, o	 etc.):	
,	*		70 gt b

Name (Print): 3, NARSHACC
Signature: Milling feel

Date: 11-13-13

F-1: CH2M HILL DAILY	SAFETY TAILG	ATE MEETING LOG
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Project. RARITAN A	ARSENALS Date: 11-13-13
	// Date: //-/3-/3
TOPICS DISCUSSED:	
1. See Daily PTS	5 P
2. 3.	
4.	
<del>1</del> . 5.	
5. 6.	
7.	
MEETING CONDUCTED BY: J, MARS	
	TING ATTENDEES
Name/Company	Signature
1. Charles Rose CH2M Hill	Chy C Per
2. Mike Malko CH2M Hill	a de la
3. Jim Marshall CH2M Hill	Markel
4. Jonathan Waldron CH2M Hill	Ch U Du
5. Andrew Gascho CH2MHILL	AGASCID
Joseph Agner USAE	2112
7. John Baird USAE	1 Mariel
8. Jefferson Baker USAE	The second secon
9. Michael Bealer USAE	Just 3-11
10. Bart Belcher USAE	But H rolen
11. Chris Bernard USAE	Language consequences
12. Jacob Black USAE	
13. Kenneth Brown USAE	17 03
14. Capano John USAE	
15. Dee Clark USAE	Was Chark
16. Richard Coble USAE	CATO LUCA -
17. Joseph Dalora USAE	The state of the s
18. George Edwards USAE	
19. Egbert Tom USAE	1.0000
20. Matthew Farrell USAE	- Jon (y)
21. Jody Fite USAE	1963
22. Justin Gay USAE	
23. Michael Golluscio USAE	- At Ath
24. Kelan Hammond USAE	1/4-7/
25. Manthey Wayne USAE	1/1/1/2
43. IVIAITUEV VVAVIE USAE	and the state of t

the state of the s	TING ATTENDEES Signature
Name/Company	Oig. Id. w. i
26. Kevin Massey USAE	100
27. Matter Phil USAE	1/V 4/0=
28. McCoig Jason USAE	Brz
29. Morgan Robin USAE	John James
30. Moyer Rick USAE	Zehlyn
31. Jesse Norman USAE	1-76
32. Palverento Angelo USAE	angolo Palverento
33. Rogaliner Rick USAE	V. S.
34. James Royalty USAE	. Rosald
35. Paul Schmidt USAE	V
36. Christopher Stack USAE	
37. Jeffrey Sullivan USAE	
38. Steve Thomas USAE	
39. Earl R Vance USAE	41Kent
40. Jeffrey Vandervort USAE	
41. Robert Wallace USAE	1111111
42. Charles Ward USAE	John Minor
43. Michael Watson USAE	calles a como
44. David Wheeldon USAE	63/45
45. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
47. Peter Jump NAEVA	1
48. Brian Herridge 3Dgeophysics	
49. Erik Kitt 3Dgeophysics	
50. Greg Sletten 3Dgeophysics	Jan
51.	7/40
52.	1
53.	
A 3'	
54.	
55.	
56.	
57.	
58.	

## **CH2M**HILL

# 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.):			

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

0	CH2MHILL
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## 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	

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Rental Van		Ford 12	DV.				25
Description of Equipment	Ma	ike/Model/M	anufacturer	Equipment	ID Number	Miles/Ho	ars for day (If Applicable)
EQUIPMENT ON HAND							·
120 11 10 11 11 11 11 11 11 11 11 11 11 11							
TEC II Norman, Jesse					56	;	8
TEC II Wheeldon, David					56	i	8
TEC II Clark, Denise					56	j	8
TEC II Bernard, Christopher					56	,	8
ΓΕC II Watson, Michael					56	j	8
TEC II Massey, Kevin					56	i	8
TEC II Coble, Richard					56	j	8
TEC II Brown, Kenneth					56	i	8
TEC II Capano, John					48	,	8
TEC II Vance, Earl					48	,	8
ΓΕC III Matter, Phillip					56	,	8
ΓEC III Ferrell, Matthew					56	5	8

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

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## CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		021			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		11/14/13	11/14/13		
REVISION NUM	MBER:	1		REVISION DATE:		10/30/13			
TASK ORDER N	NUMBER:	2: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup			SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron			
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, Co	ool	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

WORRITORED CONTRICTOR IN DECENTION			
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
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

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

WORK AND/OR TE	STS ACCO	MPLISHED 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 eams demobe.							
		v: Continue with Aquatic DGM, Vegetation/Brush red Marsh Master to be delivered to site on Tuesday.	luction and removal. I	JSA Enviro	nmental to demobilize to	eam and return	
Planned Work / Test fo	or Next Weel	k: Vegetation clearance/ reduction, Surveying, preppi	ng for DGM				
project attributable to	site and weat			_		-	
Tuesday with Marsh		Equipment functioned properly and without incident	ient. USA Environm	ental to dei	nobe majority of field s	stan and return	
Overall delays in scho Terrestrial DGM exp		difficulty with vegetation reduction productivity retrieved $2^{nd}$ 2013.	rates from USA Envi	ronmental.			
VISITORS AND DIS	CUSSIONS	: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO	JOB SITE					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp	pected	Inspection Performed		Findings			
Schonstedt inspe	ection	Daily/Serviceability		Pass			
GPS Equipme	ent	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability		Pass			
Fire Extinguish	ners	Monthly		Pass			
First Aid Ki	t	Monthly		Pass			
Bob Cat / ARG	GO	Daily/Weekly		Pass			
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	<b>ED</b>						
Task/Activity To	ested	Test Performed			Test Results (Pass/Fail)	- Criteria	
GPS equipme	ent	Function and accuracy test			Pass		
Schonstedt		QC check			Pass		
Site communication/ R	Radio	Radio Check			Pass		

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-260

QUALITY IS	SSUES AND RI	ESOLUTIONS: no	ne									
			SUBM	ITTALS INS	PECTION /	REVIE	EW					
Submittal No	o. Submit		Specification/Pla	an Reference		Subr	nittal A	al Approved?		Comment/Reason/Action		on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
DEDMIT IN	CDECTIONS D	ERFORMED: NA	REGUL	LATORY CO	MPLIANC	E REPC	ORT					
PERMIT IN	SPECTIONS P	EKFORNIED: NA										
		W	ASTE ACCUM	ULATION/S	<b>FOCKPILE</b>	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	of Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-	-Off Box	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA	•	•									•
				GENERAL	COMMEN	TS						
vegetation rec	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 clearence. New plan will be announced NLT Friday 11-15-13 per USAE PM								g up with			
Marsh Master to arrive onsite 11-19-13  ATTACHMENTS												
List of Attach	ments: (evamn	es as annlicable: si	hmittals meeting	_		minutes	COCs	weigh	t ticket	te man	ifects profiles rev	vork item list
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.												
portions or de and last name	signate as "not a on each comple	ly in ink. Line out pplicable". Prepare ted daily report. The signed electronical	r signs first is form may		Jonathan	Waldro	on					11/14/13
be filled out e	accuomicany and	signed electrollical	ıy.		PREPARI	ER'S SIGN	IATURE				·	DATE

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CH2M HILL W912DY-09-D-0060	CC	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)						REVISIO	F REPORT: 11/1 ON NO: ON DATE:	4/2013
CTO NO: 003	PROJECT NAM	E/LOC	E/LOCATION: Former Raritan Arsenal – RI/FS					REPORT	NO: 021	
PROJECT NO: 4279	46	SU	SUXOS: Chris Rose UXOSO:				Jim Mille	er	UXOQCS: Mike	Malko
AM WEATHER: Clear, b	reezy / cold	PM	WEATHER: Clear, breezy / coo	1		MAX TEN	EMP: 54 °F MIN TEMP: 32 °I		MIN TEMP: 32 °F	7
	SUMMARY OF WORK PERFORMED TODAY									
Vegetation reduction start Underwater DGM continu	ed in DSA 3. The following ed in Area 12. A snagged	ng transe	ansects were completed: 21 A-B. cts were completed: 11 A-B and cen cable forced the boat out of the total trial 15 Dec. The warehouse and	13 A- he wa	B ter					
W	as A Job Safety Meet	ing Held	1 This Date?		⊠ Yes	□ No			OURS ON JOB	
	Yere there any lost-time Yes, attach copy of com				☐ Yes	⊠ No	CH2M	HILL On-Sit	e Hours	40
	as a Confined Space I Yes, attach copy of each		ermit Administered This Date	?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	152
SAI	ork/ HAZMAT Work	Done?	g/ Scaffold/ HV Electric/Hig		☐ Yes	⊠ No		On-Site Hour utive Total of		192 3263
			t showing inspection performed)  Released into the Environm		☐ Yes	⊠ No		<i>Previous Repo</i> Vork Hours Fr		3455
(I	Yes, attach description of	f inciden	at and proposed action)			⊠ No	Constru	iction		3433
taken, and results of s	afety inspections cond	ucted):	INSPECTIONS CONDUCT Daily safety briefing; equipmen			violations,	correctiv	e instruction:	s given, correctiv	e actions
			E INCORPORATED IN JOB						NH P (DED /	VOLUME/
	EQUIPMENT/MATERIA CEIVED	AL	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION ORMED BY	NUMBER/ WEIG	
EQUIPMENT USED OF	JOB SITE TODAY.				l					
EOLUDMENT	ECCDIPTION	FO	HIDMENT MAKE MODEL	c	A FETY CHECK	DEDEODME	D DV	N	UMBER OF HOUR	RS
EQUIPMENT I	ESCRIPTION	EQ	UIPMENT MAKE/MODEL	SAFETY CHECK F		PERFORMED BY		USED	IDLE	REPAIR
GF	S		Trimble Geo XH	Chris Rose			8	0		
Utility V	ehicle e		Argo		Mike Malko			0	8	
Trai	ler		Leonard		Mike N	Malko		0	8	
GF	S		Trimble Geo XH		Mike N			8	0	
Pick-up		-	Dodge Ram 1500		Jonathan			8	0	
Pick-up		1	Chevrolet Silverado		Mike N			8	0	
SU			Ford Edge		Chris			8	0	
SU		1	Ford Edge		Jim Ma			8	0	
Ca			Ford Fusion		Jonathan			8	0	
Office '		+	ModSpace Ingersol Rand					8	0	
Gene			Satellite Industries	Jonathan Waldron Chris Rose			8	0		
Portable Portable		+	Satellite Industries		Chris	Rose		8	0	
Utility V		<del>                                     </del>	Bobcat		Jonathan	Waldron		0	8	
Trai		†	EZDumper		Jonathan	Waldron		0	8	
	NS/DELAY/CONFLIC		OUNTERED (List any confli	cts wi	ith the delivery	order [i.e.,	scope of	work and/or	drawings], delays	s to the
VISITORS TO THE SIT	E:									

CH2M HILL W912DY-09-D-0060		(ATTACH ADDITIONAL SHEETS IF NECESSARY)				13		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritar	PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS						
WORK PERFORMED TODAY								
EMPLOYEE	WORK PERFORMED		EMPLOYER	EMPLOYEI NUMBER	E TITLE/TRADE	HRS		
Chris Rose	Subcontractor oversight		CH2M HILL		SUXOS	8		
Mike Malko	Subcontractor oversight		CH2M HILL		UXOQCS	8		
Jim Marshall	Subcontractor oversight		CH2M HILL		UXOSO	8		
Jonathan Waldron	Subcontractor oversight		CH2M HILL		SSHO	8		
Andy Gascho	Subcontractor oversight		CH2M HILL		Project Geophysicist	8		
						1		
						+		
						-		
	INCLUDE ALL PERSONNEL WORK	HOURS IN THE TOT	AL WORK HOURS	ON JOB SITE				
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛		his Ros	٤	11/14/13			
SUPERINTENDENT'S SIGNATURE DATE						_		

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

Project. RI/FS Former Rarit	an Arsenal		Date: 11/14/2	2013
· · · · · · · · · · · · · · · · · · ·				
LOCATION OF WORK: DSA #	3, Area 12,			
	,			
DESCRIPTION OF WORK: TI	ransect lavout	and marking, Vege	tation Removal	
		<u> </u>		
WEATHER: ⊠(CLEAR)	□(FOG)	□(P.CLOUDY)	□(RAIN)	□(WINDY)
TEMPERATURE:	⊡(i 30) MIN: <u>31</u> °F	<u> </u>	(\cdot\cdot\cdot\cdot\cdot\cdot\cdot\cdot	(VVIIVE1)
TEIWI EIXTONE.	WIIN. <u>51</u> 1		WAX. <u>54</u> 1.	
Work completed today by sub	contractor:			
1. Work completed today by Sub	contractor.			
CH2M Hill's subcontractor USAE	continued veg	etation removal in <i>i</i>	Area 12	
CH2M Hill's subcontractor USAE				
DSA #1 is awaiting QC inspection				
Dert in the awarring QU mopocron	Tion vogotation	romovar and Cane	doo oloaranoo.	
2. Work completed today by QC	inspection stat	ff:		
Monitored work practice and prod	•		m.	
·				
3. All work performed in conforma	ance with Work	Plan requirements	? Yes	
If not, explain:		•		
·				
4. Non-conformances/deficiencies	s reported:			
5. Comments:				
<u> </u>				
None				
	CERTIFICATIO	ON: I certify that the a	bove report is co	omplete and
		t I, or my representat		
		is report and have de I belief that noted wo		•
		s and specifications,		
	above.			
	m.	Jam	16-	
	ruen			
		Project QC S	pecialist	

-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG	1
Project. RARITAN	ARSENAL Date: 11-14-13
110,000	
1. COMPLACANSY / Cam	- Penseller
1. COMPLACANSY Cam	PICIO
2.	
3.	
4.       5.	
6.	
7.	
MEETING CONDUCTED BY: J, 11/AI	CE HAI/SIGNATURE:
MEETING CONDUCTED DT. 3777/JAN	TING ATTENDEES
Name/Company	Signature
1. Charles Rose CH2M Hill	Phalle,
2. Mike Malko CH2M Hill	ma Martin
3. Jim Marshall CH2M Hill	Marin 1
4. Jonathan Waldron CH2M Hill	v/// ml
5. Andrew Gascho CH2MHILL	AGRELO
6. Joseph Agner USAE	71.40
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	The mole
21. Jody Fite USAE	A
22. Justin Gay USAE	Tan Ma
23. Michael Golluscio USAE	20-
24. Kelan Hammond USAE	The second secon
25 Manthey Wayne USAF	

	ING ATTENDEES Signature
Name/Company	Signature
26. Kevin Massey USAE	
27. Matter Phil USAE	
28. McCoig Jason USAE	
29. Morgan Robin USAE	a ch
30. Moyer Rick USAE	
31. Jesse Norman USAE	
32. Palverento Angelo USAE	
33. Rogaliner Rick USAE	
34. James Royalty USAE	sung.
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	
11. Robert Wallace USAE	
12. Charles Ward USAE	
13. Michael Watson USAE	
14. David Wheeldon USAE	
15. Ben Dameron NAEVA	
46. Jesse Powers NAEVA	
7. Peter Jump NAEVA	0-00
8. Brian Herridge 3Dgeophysics	
9. Erik Kitt 3Dgeophysics	
io. Greg Sletten 3Dgeophysics	Who have
1.	Mus
52.	
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### CH2MHILL

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

	RSENAL Location: ED	, , , , , , , , , , , , , , , , , , , ,
Supervisor: CHRIS K	ose Job	
ctivity:		
Attendees: Print N	lame	Cian Name
tttenaces.	idine.	Sign Name
ist Tasks and verify that applic	able AHAs have been revièwed:	
	7/	
SURVEY	ane veg ren	AEVAL
SURFACE CL	CARBACE	NOVAL
ools/Equipment Required for	Tasks (ladders, scaffolds, fall prote	ction, cranes/rigging, heavy equipment
power tools):		
	/	
29 SKID ST	eer w/cuiren	NEADS
	HEAWS	Nears
SCHONSTADY		
SCHONSTAD V		
SCHONSTAD V		ical and environmental (check all that
ScHo NSVAD V		ical and environmental (check all that
ScHo N SVAD V Potential H&S Hazards, includin apply):  _ Chemical burns/contact	ng chemical, physical, safety, biolog	ical and environmental (check all that
ScHo N SVAD V Potential H&S Hazards, includin apply):  _Chemical burns/contact	g chemical, physical, safety, biolog	ical and environmental (check all that ErgonomicsChemical splash
ScHo N SVAD V Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment	g chemical, physical, safety, biolog Trench, excavations, cave-insOverexertion	ical and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects
ScHo N SVAD V Potential H&S Hazards, including apply):  Chemical burns/contact Pressurized lines/equipment Thermal burns	Trench, excavations, cave-insOverexertion	Ergonomics Chemical splash Poisonous plants/insects Leve hazards/flying projectile
ScHO NOSVAD V Potential H&S Hazards, including apply):  _Chemical burns/contact Pressurized lines/equipment _Thermal burns _Electrical	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions	ical and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	Trench, excavations, cave-insOverexertion _Pinch pointsCuts/abrasions	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stress
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _Heights/fall > 6 feet	Trench, excavations, cave-insOverexertion _Pinch pointsCuts/abrasionsOverhead Electrical hazardsElevated loads	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazard
Potential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipment
Potential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _Heights/fall > 6 feet  _Noise  _Explosion/fire	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _Heights/fall > 6 feet  _Noise  _Explosion/fire  _Radiation  _Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cutting	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolition
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _Heights/fall > 6 feet  _Noise  _Explosion/fire  _Radiation  _Confined space entry  _Underground Utilities	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _Heights/fall > 6 feet  _Noise  _Explosion/fire  _Radiation  _Confined space entry  _Underground Utilities  Other Potential Hazards (Describ	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity be):	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolitionPoor communications
Potential H&S Hazards, including pply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns _Electrical  Weather conditions _Heights/fall > 6 feet _Noise _Explosion/fire _Radiation _Confined space entry _Underground Utilities Other Potential Hazards (Describer Current Comment)	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity be):	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolitionPoor communications
Potential H&S Hazards, including apply):  _Chemical burns/contact  Pressurized lines/equipment  _Thermal burns  _Electrical  _Weather conditions  _Heights/fall > 6 feet  _Noise  _Explosion/fire  _Radiation  _Confined space entry  _Underground Utilities  Other Potential Hazards (Describ	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platformsDemolitionPoor communications

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
◆Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
<u>√</u> Eye	Shoring	Fire watch	Grounded
1/Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
✓ Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
_	Other	Operator qualified	Appropriate goggles
*			
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	<u>V</u> Traffic control
Air monitoring	Eye wash	✓ Best area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
— Permit completed	Route to hospital	Monitoring	Signs
Rescue		<b>⊥</b> Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	
Excavation	Competent person	4 Heavy equipment	Competent person Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	
Energized work		Cranes and rigging	FA/CPR
Energiaco work		Utilities marked	Confined Space
			Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	_applicable for this day's work	
Interview site staff	Client notification	Communication and incident prod	cesses included?
Client review	24 hour notification setup		
_soft locate necessary?	Clear communications		
Field Notes (including o	bbservations from prior day, e	tc.):	

Name (Print): J. MARSHALL
Signature: XIII factor

Date: 11-14-13

## CH2MHILL

## 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)		
	1				
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.):					

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

CH2MHILL	SUB CONTRACTO USA Envir		
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

### SUMMARY OF WORK PERFORMED TODAY

Continued manual cutting in area 12 approximately 75% 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	64	8
TEC III Roglainer, Richard		64	8
TEC III Egbert, Robert		64	8
TEC II Morgan, Robin		64	8
TEC 1 McCoig		64	8
TEC 1 Fite, Jody		64	8
TEC 1 Gay, Justin		64	8
TEC II Capano, John		56	8
TEC II Brown, Kenneth		64	8
TEC 1 Gollusico, Michael		64	8
			_

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		l		1		
EQUIPMENT ON HAND		ı				
Description of Equipment	Make/Model/M	lanufacturer	Equipment	ID Number	Miles/Ho	urs for day (If Applicable)
1 1 1			1 1			7 11 /
Cuovy Cob Piole Un	Ford 3	50	D.,	h		29
Crew Cab Pick Up			Brush SUXOS			
Extended Cab Pick Up	Ford 1	50			87	
Open Trailer			Brus	sh T1		0
Crew Cab Pick Up	Dodge 2	2500	Swe	ep 1		26
Weed Eater (5)	Stih	1	N	/A		
Chain Saw (2)	Stih	1	N	/A		
Schonstedt (6)	Shonst	edt	N	/A		
Camera Field Digital w/GPS (1)_	Niko					
Radio w/Charger (8)	Motore					
Skid Steer with Cutter Head	Bobcat		Bob	cat 2		
	300000		230	•		

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

.



## CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		22			
CONTRACT NU	MBER:	W912DY-09-D-0060			REPORT DATE	i:	11/15/13	11/15/13		
REVISION NUM	MBER:	1			REVISION DAT	ΓE:	10/30/13	10/30/13		
TASK ORDER N	K ORDER NUMBER: 003			PROJECT NAM	IE / LOCATION:	Former Raritan Arsenal, Edison, NJ				
PROJECT NUM	ROJECT NUMBER: 427946			PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup	Senior UXO Supervisor: Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron					
AM WEATHER:			ool	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

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
Trialer for Argo (NAEVA rented piece of equipment)	Leonard	660	CH2M HILL

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

COMMENTS (accept	tance status	, inspection findings	s, etc.): None					
` •		, 1	,					
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN	PROGRESS					
Performed Work / Tes	st for Today:	Daily Tailgate, PTSF	P, field and equipment inspe	ections, Aquatic DGM,	Brush clearing	in Area 12 and DSA#3.		
Planned Work / Test f	or Tomorrow	: None- Weekend br	eak					
Planned Work / Test f	or Next Wee	k: Vegetation clearar	nce/ reduction, Surveying, p	prepring for DGM				
Trained Work / Test I	or real wee	a. Vegetation elearar	ice, reduction, but veying, p	propping for Boni				
			ENCOUNTERED (List an	y conflicts with the proj	ect [i.e., scope	of work and/or drawing	s], delays to the	
project attributable to  No delays encountered								
Equipment functions	ed properly	and without inciden	t. USA Environmental to					
Overall delays in sch Terrestrial DGM exp			etation reduction product	ivity rates from USA E	nvironmental	•		
Terrestriai Dowr exp	sected to sta	Tt Dec. 2 2013.						
VISITORS AND DIS	SCUSSIONS	: See attached QC a	and Production Report fo		, discussions	and meeting		
		TOD GYMP	QUALITY CON	TROL REPORT				
MATERIALS DELI  Quantity/Volume/	VERED TO	Description of Ma	ntarials Pacaivad	Make/Model/M	anufacturar	Material Lot	Inspection	
Weight		Description of Ma	ateriais Received	Wake/Wodel/W	anuracturei	Number	Performed By	
		See Att	ached					
COMMENTE (	4	: 6: 1:	4-)- D					
COMMENTS (accep	tance status	, inspection findings	s, etc.): Pass					
INSPECTIONS PER	RFORMED							
Task/Activity Ins			Inspection Performed			Findings		
Schonsted inspe			Daily/Serviceability			Pass		
GPS Equipme	ent		Daily/Serviceability			Pass		
Generator			Daily/ Serviceability	7		Pass		
Fire Extinguisl	hers		Monthly			Pass		
First Aid Ki			Monthly			Pass		
	Bob Cat / ARGO Daily/Weekly Pass							
Field Vehicle	es		Daily/Weekly			Pass		
TREGES DEDECTION	- D							
TESTS PERFORME Task/Activity T			Test Performed			Test Results (Pass/Fail)	- Criteria	
GPS equipme			Function and accuracy	test	+	Pass	J	
Schonsted			QC check		1	Pass		
Site communication/ F	Padio		Radio Check		+	Pass		
site communication/ F	Nau10			- 400				

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QUALITY IS	SUES AND RI	ESOLU	TIONS: no	ne								
				SUB	MITTALS INS	PECTION /	REVIE	w				
Submittal No.	Submit Descript			Specification/	Plan Reference		Subn	nittal A	pprove	d?	Comment/Reas	on/Action
NA									No			
							Yes		No			
							Yes		No			
							Yes		No			
				REGU	ULATORY CO	MPLIANCI	E REPO	RT				
PERMIT INS	PECTIONS P	ERFOI	RMED: NA									
			W	ASTE ACCUN	MULATION/ST	TOCKPILE 1	AREA	INSPE	CTIO	N		
Inspection Perf	ormed By:	NA				Signature o	of Inspec	tor:	NA			
Accumulation Stockpile Area		NA										
No of Containers:	NA	No of	f Tanks	NA		No of Roll-Off Boxes:			NA		No. of Drums	NA
Inspection Res	ılts: NA											
					GENERAL	COMMEN	ΓS					
General Comm	ents~ (rework,	directiv	ves, etc.): Ma	arsh Master to a	rrive onsite 11-1	19-13						
						CHMENTS						
											anifests, profiles, re- tractor daily reports	
NOTE: Write portions or des and last name (	gnate as "not a n each comple	pplicab ted dail	le". Prepare y report. Th	r signs first is form may		Jonathan	Waldro	n				11/15/13
be filled out ele	ctronically and	signed	electronical	ıy.		PREPARE	ER'S SIGN	ATURE			-	DATE

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-275

CH2M HILL W912DY-09-D-000		CO		RACTOR PRODU			ORT		REVISIO	F REPORT: 11/15/ ON NO: ON DATE:	/2013
CTO NO: 003		PROJECT NAME	/LOC	ATION: Former Raritan Arse	enal –	- RI/FS			REPORT	Γ NO: 022	
PROJECT NO: 427	7946		SU	XOS: Chris Rose			UXOSO:	Mike Ma	lko	UXOQCS: Mike M	Malko
AM WEATHER: Clear	/ cold		PM	WEATHER: Clear / cool			MAX TEN	ИР: 56°F		MIN TEMP: 36 °F	
				SUMMARY OF WORK	K PE	RFORMED TO	ODAY		-		
Vegetation reduction co 5(100 meters remaining) Underwater DGM has b	ontinued g), 6(20 been cor	d in DSA 3. The follow meters remaining), 7(3 impleted and the team d	ving trai 30 mete demobe	ransects were completed: 21 A-B, unsects were completed: 8, 9 and 1 ers remaining) and 10(100 meters ed.  A 1 and points 1A, 2A, 3A, 4A, 4	12. The remains	ne following transe tining). Transects 1	ects were star 1, 2, 3 and 4	ted and wil will be cut v	with the marsh	n master.	onditions:
	Was /	A Job Safety Meeting	g Held	d This Date?		⊠ Yes	☐ No	_		OURS ON JOB Sting Continuation St	
	(If Yes	there any lost-time a s, attach copy of comple	leted OS	SHA report)		☐ Yes	⊠ No	СН2М І	HILL On-Sit	te Hours	20
JOB	Was a	a Confined Space En	itry Pe permit)	ermit Administered This Date	?	Yes	⊠ No	Subcont	ractor On-Si	ite Hours	60
SAI	Work/	/ HAZMAT Work D	Oone?			☐ Yes	⊠ No			rs This Date	80
\				t showing inspection performed)  Released into the Environme			——————————————————————————————————————	From P	revious Repo		3455
	(If Yes	s, attach description of i	inciden	nt and proposed action)		Yes	⊠ No	Constru	ction		3535
				INSPECTIONS CONDUCT Daily safety briefing; equipment			violations,	corrective	instruction	s given, corrective	actions
EQUIPMENT/MATE	RIAL !	RECEIVED TODAY	то ві	E INCORPORATED IN JOB							
	F EQUI	JIPMENT/MATERIAL VED	,	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMBI			PECTION ORMED BY	NUMBER/ V WEIGI	
						1					
- OVING HERIT HEED	25/ 10	TO CAME WODAY									
EQUIPMENT USED (	JN JU	B SITE TODAY.		T					N	UMBER OF HOURS	2
EQUIPMENT	`DESC	RIPTION	EQI	UIPMENT MAKE/MODEL	SA	AFETY CHECK F	PERFORME	D BY	USED	IDLE	REPAIR
(	GPS			Trimble Geo XH		Chris l	Rose		8	0	1122.122.
	y Vehic	:le	-	Argo		Mike M	Malko		0	8	
Tı	railer			Leonard		Mike M	Malko		0	8	
(	GPS			Trimble Geo XH		Mike M	Malko		8	0	
Pick-ı	up Truc	:k		Dodge Ram 1500		Jonathan V	Waldron		0	8	
Pick-	-up trucl	k		Chevrolet Silverado		Mike M	<b>A</b> alko		10	0	
S	SUV			Ford Edge		Chris l			10	0	
Office	e Traile	er		ModSpace		Jonathan V			8	0	
	nerator			Ingersol Rand		Jonathan V			8	0	
	ble toile			Satellite Industries		Chris I			8	0	
	ble toile			Satellite Industries  Bobcat		Jonathan V			0	8	
-	y Vehic	le		EZDumper		Jonathan V			0	8	
	anci			DED unipe.							
CHANGED CONDITI				OUNTERED (List any conflic	cts wi	ith the delivery	order [i.e.,	scope of w	vork and/or	drawings], delays	to the
VISITORS TO THE S	SITE:										

CH2M HILL W912DY-09-D-0060		CONTRACTOR PRODUCTION REPORT  (ATTACH ADDITIONAL SHEETS IF NECESSARY)  DATE OF REPORT: 11/15/201 REVISION NO: REVISION DATE:		)13		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	Arsenal – RI/FS			REPORT NO: 022	
	WORK PI	ERFORMED TO	DAY			
EMPLOYEE	WORK PERFORMED		EMPLOYER	EMPLOYEI NUMBER	E TITLE/TRADE	HRS
Chris Rose	Subcontractor oversight		CH2M HILL		SUXOS	10
Mike Malko	Subcontractor oversight		CH2M HILL		UXOQCS	10
Jonathan Waldron	Subcontractor oversight		CH2M HILL		SSHO	0
	INCLUDE ALL PERSONNEL WORK HO	OURS IN THE TOT	AL WORK HOURS	ON JOB SITE		
SAFETY REQU	IREMENTS HAVE BEEN MET	(	his Ros	ی	11/15/13	
	SUPERINTENDENT'S SIGNATURE DATE					

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Project.	RI/FS	Former Rai	itan Arsenal		Date: 11/15/	2013
LOCATION	05.14/0	DK DOA	//O A 40			
LOCATION (	OF WO	RK: DSA	#3, Area 12,			
DESCRIPTION	ON OF	WORK:	Transect layout	and marking, Veget	tation Removal	
WEATHER:		(CLEAR)	□(FOG)	$\square$ (P.CLOUDY)	□(RAIN)	$\square$ (WINDY)
TEMPERATI	URE:		MIN: <u>31</u> °F		MAX: <u>54</u> °F.	
1. Work con	npleted	today by su	ıbcontractor:			
CH2M Hill's : T12-T19.	subcon	tractor USA	E continued veg	etation removal in A	Area 12 rework	ing Transect
TDSA3-5 (ex TDSA3-6 (ex TDSA3-7 (ex	ceptior ceptior ceptior exceptio	northern 1 northern 2 northern 3 n northern	00 meters require 0 meters require 0 meters require 100 meters requ	etation removal in I res Marsh Master) es Marsh Master) es Marsh Master) iires Marsh Master)	DSA #3 clearin	g transects
				ake out of Area 18D	and a portion	of DSA 1.
	•		C inspection sta	ff : etation removal teal	m.	
QC Inspection						
			ation removal.			
Blind Seeding	g of DS	A 1.				
3. All work pe		d in conforn	nance with Work	c Plan requirements	? Yes	
ii iiot, expiaii	1.					
4. Non-confo	rmance	es/deficienci	es reported:			
5. Comments	S:					
None						
				ON: I certify that the a		

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

CHSMHITT

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

Z Poor communications	ibe):	Underground Utilities cher Potential Hazards (Descr
Demolition	Welding\cutting	Confined space entry
		noiteibe8
smroltelq\sfillein9A	gniffil leuneM	Explosion/fire
Heavy equipment	sllet bne girt , tail2 🔏	Noise Applicably fire
Water\drowning hazard	Elevated loads	
Heat/cold stress	Overhead Electrical hazards	feights/fall > 6
bressed noiteledal	siliq2	Weather conditions
Eye hazards/flying projectile	≰ Cuts/abrasions	Electrical
Poisonous plants/insects	Y Pinch points	Thermal burns
Chemical splash	Noerexertion X	Fressurized lines/equipment
zzimonog13	zriench, excavations, cave-ins	Chemical burns/contact
	Tasks (ladders, scaffolds, fall protecti	wer tools):
on, cranes/rigging, heavy equipmer		wer tools):
		wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
		ols/Equipment Required for wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
	Tasks (ladders, scaffolds, fall protecti	ols/Equipment Required for wer tools):
	able AHAs have been reviewed:  Tasks (ladders, scaffolds, fall protecti	Tasks and verify that applic
	SHEET:  able AHAs have been reviewed:  Tasks (ladders, scaffolds, fall protecti	Tasks and verify that applic
on, cranes/rigging, heavy equipmer	SHEET:  able AHAs have been reviewed:  Tasks (ladders, scaffolds, fall protecti	Sac SIGN  Tasks and verify that applic  Joseph Sequired for wer tools):
on, cranes/rigging, heavy equipmer	able AHAs have been reviewed:  Tasks (ladders, scaffolds, fall protecti	Sac SIGN  Tasks and verify that applic  Joseph Sequired for wer tools):

APPENDIX F - DAILY REPORTS

Signature:\_\_\_

Name (Print): MICHAGL MALKS

Date: 11/15/2013

			10. 20. 20. 20. 20. 20. 20. 20. 20. 20. 2
	.(.ɔf	bservations from prior day, e	Field Notes (including o
		Zlear communications	Soft locate necessary?
		24 hour notification setup	weiver freeilD
Spabulari sassa	Communication and incident proc	M. Client notification	Thete stiz waivratnl
	applicable for this day's work	MD/MT of sllss ediate mm/CM	bəwəivər etliud-eA
	for site and current	MD/MT	S <sup>14</sup> Party locater
	MSH yd byvorded and approved by HSM	Work stops until cleared by	belled trale gid
	z 'AHA	Incident Communications	Underground Utilities
<b>Ж</b> нахсош	Utilities marked		
Space Sparifined Space	gniggir bne zəner)		Energized work
KA/CPR	Drill rigs/geoprobe rigs	Hazmat present	Demolition
Task-specific	🗶 Heavy equipment	Competent person	Excavation
Competent person	Scaffolds	seifilitu\eese etelosi	Lockout/tagout
Construction	Lanyards/harness	Structure condition	Space Sparifined —
Hazwaste (current)	Ladders/aerial lifts	Pre-demolition survey	Hot work
:Brining:	lusbections:	noitilomed	Permits
-	aninierT		gescne
sugis	gninotinoM	Soute to hospital	Permit completed
Flags	eldelieve sbiupid	lennozied personnel	lennosted benistT
Barricades	Rest area	Eye wash	Buinotinom niA
Traffic control	Work/rest regime	First-aid kit	noitelosi
Vehicle/Traffic	Heat/Cold Stress	Medical/ER	Confined Space Entry
	X Operator qualified	Other	
səlggog əfeirqorqqA	Proper rigging	tsub sldisiv oN	mətsyz gninseW
gnidfolo fretsrame Flame Flame	Crane with current inspection		Fixed barricades
— No cylinders in CSE	★ Hand/power tools	Personnel sampling	Bninaqo baravo2
Flash-back arrestors	X Backup alarms	noiteibeЯ	mətsys lierbreuə
Cylinders separated/upright	Forklift/heavy equipment	Detector tubes	Adequate anchorage
Cylinders secured/capped	zblołfszs/srabbsl/fill lenaA	PID/FID	Harness/lanyards
Welding & Cutting	Proper Equipment	anitotinoM tiA	noitoston lle
		noitesiliton\stim199 Vrtn3	Hard Hat
b'dl slitu bnuorgrabhU —		Daily inspections	Solveb noitstol7
Overhead line clearance		Locate buried utilities	Steflective vests
Power tools/cord inspected	rnəmqiupə əfez yllezizninful	Competent person	Ynoteriqs9A
GFCI/extension cords	Gribnod\gnibnuo12	Barricades	Hearing J
Panels covered	Mon-spark tools	Trench box	Dermal/hand
Grounded	Fire watch	Sninod2	Εγe
Lockout/tagout	Fire extinguishers	gniqol2	_Thermal\lined
Electrical	Fire Protection	Protective Systems	36
		(Check All That Apply):	lazard Control Measure:

### 25. Manthey Wayne USAE 24. Kelan Hammond USAE 23. Michael Golluscio USAE 22. Justin Gay USAE 21. Jody Fite USAE 20. Matthew Farrell USAE 19. Egbert Tom USAE 18. George Edwards USAE 17. Joseph Dalora USAE 16. Richard Coble USAE 15. Dee Clark USAE 14. Capano John USAE 13. Kenneth Brown USAE 12. Jacob Black USAE 11. Chris Bernard USAE 10. Bart Belcher USAE Michael Bealer USAE 6 Jefferson Baker USAE .8 John Baird USAE .7 Joseph Agner USAE .6 Andrew Gascho CH2MHILL ٠. Jonathan Waldron CH2M Hill .4 Jim Marshall CH2M Hill .ε Mike Malko CH2M Hill .2 Charles Rose CH2M Hill T. Name/Company Signature **MEETING ATTENDEES** SICNATURE: WEELING CONDUCTED BY: .7 .0 .6 .4 3. 2. .1 TOPICS DISCUSSED: [ |EL/FS Date: 11/15/13 Poliner Project. F-1: CH2M HILL DAILY SAFETY TAILGATE MEETING LOG

TASK ORDER #:0001

CONTRACT #: W91ZLK-05-D-0014

F-282

	.85
	.78
	.99
	.99
	.63.
	95.
	51. PHIL SCHALFFEL
	50. Greg Sletten 3Dgeophysics
	49. Erik Kitt 3Dgeophysics
	48. Brian Herridge 3Dgeophysics
	47. Peter Jump NAEVA
	46. Jesse Powers NAEVA
	45. Ben Dameron NAEVA
	44. David Wheeldon USAE
	43. Michael Watson USAE
	42. Charles Ward USAE
	41. Robert Wallace USAE
	40. Jeffrey Vandervort USAE
	39. Earl R Vance USAE
	38. Steve Thomas USAE
	37. Jeffrey Sullivan USAE
	36. Christopher Stack USAE
	35. Paul Schmidt USAE
	34. James Royalty USAE
03/	33. Rogaliner Rick USAE
	32. Palverento Angelo USAE
	31. Jesse Norman USAE
	30. Moyer Rick USAE
	29. Morgan Robin USAE
	28. McCoig Jason USAE
	Z7. Matter Phil USAE
O INTRUSIO	Name/Company 26. Kevin Massey USAE
TING ATTENDEES Signature	

CH2MHILL	SUB CONTRACTOR DAILY REPORT  USA Environmental					
CONTRACT NAME:	Raritan Brush Clearing	REPORT NO: 001				
CONTRACT NUMBER:	W912DY-09-D-0060					
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 1 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.):
COMMENTS (Issues, reador reals, rouncations eet).
Operations planned for Manday 19 Nov
Operations planned for Monday 18 Nov.
Continued manual and mechanical cutting in area 12 with one 4 man team.

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

CH2MHILL
CONTRACT NAME:
CONTRACT NUMBER:
REVISION NUMBER:
TASK ORDER NUMBER:
PROJECT NUMBER:
PROJECT MANAGER:
Senior UXO Supervisor:

## **CH2M HILL DAILY REPORT**

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		023			
CONTRACT NU	MBEK:	W912D	Y-09-D-0060		REPORT DATE:		11/18/13	11/18/13	
REVISION NUM	IBER:	1		REVISION DATE:		10/30/13			
TASK ORDER NUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ			
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron				
AM WEATHER:	Clear, cool		PM Clear, warn		rm, 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

Wester one confirmer on the second state of th			
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			

#### FOLIDMENT 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

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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 CONDIT project attributable to s None encountered for	site and weat	AY/CONFLICTS ENCOUNTERED (List any continue conditions, etc.):	flicts with the project	[i.e., scope o	of work and/or drawing	s], delays to the					
VISITORS AND DISCUSSIONS: See attached QC and Production Report for details on site visitors, discussions and meeting											
QUALITY CONTROL REPORT											
MATERIALS DELI	VERED TO	JOB SITE				_					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By					
		See Attached									
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass									
INSPECTIONS PER	FORMED										
Task/Activity Insp		Inspection Performed	Findings								
Schonsted inspec		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 Vehicle	es	Daily/Weekly	Pass								
TESTS PERFORME	ED										
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							

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

QUALITY ISSUES AND RESOLUTIONS: none												
SUBMITTALS INSPECTION / REVIEW												
Submittal No.	T			ion/Plan Reference			Submittal Approved?			Comment/Reason/Action		
	Descript	ion							_			
NA						Yes		No				
						Yes		No				
						Yes		No				
	1					Yes		No				
		L										
REGULATORY COMPLIANCE REPORT												
PERMIT INSPECTIONS PERFORMED: NA												
WASTE ACCUMULATION/STOCKPILE AREA INSPECTION												
Inspection Perfor	rmed By:	NA	Signat				of Inspector: NA					
Accumulation / Stockpile Area I	nspected:	NA										
No of Containers:	IA	No of Tanks	NA	No	o of Roll-C	coll-Off Boxes:					No. of Drums	NA
Inspection Resul	ts: 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.												
portions or desig and last name on	nate as "not a each comple	ly in ink. Line out pplicable". Prepare ted daily report. The	er signs first is form may		Jonathan V	Valdro	on				1	1/18/13
be filled out electronically and signed electronically.  PREPARER'S							ATURE					DATE

				ALL ENDIAL - DE	VIL I	INEI OINTO						
CH2M HILL W912DY-09-D-000		CO	ONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)						DATE OF REPORT: 11/18/2013 REVISION NO: REVISION DATE:			
CTO NO: 003 PROJECT NAME/LOCATION: Former Rari									REPORT NO: 023			
PROJECT NO: 427	7946		SUXOS: Chris Rose				UXOSO:	Mike Ma	ılko	o UXOQCS: Mike Malko		
AM WEATHER: Clear	/ cool		PM	WEATHER: Clear / cool			MAX TEN	ИР: 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, T30DSA5-22, 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	A Job Safety Meetii		⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SITE THE DATE (Including Continuation Sheets)						
/ \	Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)					☐ Yes	⊠ No	СН2М	24			
		Confined Space E s, attach copy of each		ermit Administered This Date?		☐ Yes	⊠ No	Subcon	40			
A J				g/ Scaffold/ HV Electric/High	1	□ v	<b>⊠</b> N-	Total On-Site Hours This Date			64	
$\lceil \rceil$		/ HAZMAT Work I		t showing inspection performed)		☐ Yes	⊠ No	Cumulative Total of Work Hours From Previous Report 3535				
				Released into the Environment and proposed action)	nt?	☐ Yes	⊠ No	Total Work Hours From Start of Construction			3599	
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/MATE	RIAL 1	RECEIVED TODAY	TO B	E INCORPORATED IN JOB								
DESCRIPTION OF EQUIPMENT/MATERIA RECEIVED			L MAKE/ MODEL/ MANUFACTURER			EQUIPMENT/ LOT NUMBER			PECTION ORMED BY		NUMBER/ VOLUME/ WEIGHT	
EQUIPMENT USED (	ON JO	B SITE TODAY.		T				-				
EQUIPMENT	DESC	RIPTION	EQUIPMENT MAKE/MODEL			SAFETY CHECK PERFORME				NUMBER OF HOUR		
	GPS		Trimble Geo XH						USED 8	IDLE 0	REPAIR	
Utility Vehicle			Argo			Mike N		0	8			
-	railer		Leonard			Mike Malko			0	8		
(	GPS		Trimble Geo XH			Mike Malko			8	0		
Pick-up Truck			Dodge Ram 1500			Jonathan \		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 1		8	0			
Utility Vehicle			Bobcat			Jonathan Waldron  Jonathan Waldron			0	8		
Trailer				EZDumper Jonatha			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 S	SITE:											
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):												

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODU		REV	DATE OF REPORT: 11/18/2013 REVISION NO: REVISION DATE:		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arse	enal – RI/FS	REPORT NO: 023			
	WORK PERI	FORMED TODAY	•			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS	
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	8	
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	8	
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	8	
	INCLUDE ALL PERSONNEL WORK HOUR	RS IN THE TOTAL WORK HOURS	ON JOB SITE			
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	(his koz SUPERINTENDENT'S SIGN		11/18/13 DATE		

Project.	RI/FS Former Ra	aritan Arsenal		Date: 11/18/2	2013
LOCATION (	OF WORK: DS.	A #3, Area 12,			
DESCRIPTION	ON OF WORK:	Transect layout	and marking, Vege	tation Removal	
WEATHER:	⊠(CLEAR)	□(FOG)	□(P.CLOUDY)	□(RAIN)	$\square$ (WINDY)
TEMPERATI	URE:	MIN: <u>51</u> °F		MAX: <u>64</u> °F.	
1. Work cor	mpleted today by	subcontractor:			
			tion removal in DSA		
CH2M Hill's	subcontractor US	AE continued veg	getation removal in	DSA #1 clearing	g transects
	npleted today by (	•	uff : etation removal tea	m.	
	on of DSA 4 veget				
· '	3				
		rmance with Wor	k Plan requirements	s? Yes	
If not, explain	n:				
4 Non confo	ormances/deficien	cias rapartad:			
4. NOH-COMC	mances/dencien	cies reported.			
5. Comments	s:				
None					
		correct and the identified on the knowledge and with work plan above.	ON: I certify that the a at I, or my representa- nis report and have de d belief that noted wo s and specifications,	tive, have inspected to the last termined to the last activities are in except as may be	ted all work best of my n compliance

Project QC Specialist



# CH2MHILL

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

ttendees: Print N	lame	Sign Name
MAMACK	O CH2MHIL	
RICK ROBALIN	EL USAE	4-40
Jason McCoig	USAE	
Brown, Kenneth	USAE	The Gr
John Capano	25A F	7.0%
Checker Co	MEAN HALL	ChorRa
Jalerida	CH2M	1/2(1.4)
ist Tasks and verify that applic	cable AHAs have been reviewed:	
(Cas statu reclusion	n Clevence	
100	70.0	
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmen
	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipmer
		tion, cranes/rigging, heavy equipmer
Tools/Equipment Required for power tools):  Hod + power tools,  Book cut w		
Hod + power tools, Book cut w/ b	GAS, 2-ver, radio onch hay attachnut.	
How tools):  How tools):  Down tools):  Potential H&S Hazards, including	GAS, 2-ver, radio onch hay attachnut.	, weed wheckers
Hod + power tools,  Took cut w/ b  Potential H&S Hazards, including	GAS, 2-ver, radio onch hay attachnut.	, weed wheckers
Potential H&S Hazards, including apply):	onsh hay attachment.	ical and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact	ing chemical, physical, safety, biologicalTrench, excavations, cave-ins	ical and environmental (check all that
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment	Trench, excavations, cave-ins  Overexertion  Pinch points	ical and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	ing chemical, physical, safety, biologicalTrench, excavations, cave-insOverexertion	ical and environmental (check all that
Potential H&S Hazards, including apply):  _ Chemical burns/contact  _ Pressurized lines/equipment  _ Electrical	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	ical and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	Trench, excavations, cave-ins Overexertion  Cuts/abrasions  Spills	ical and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment
Potential H&S Hazards, including apply):  Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation	Trench, excavations, cave-ins Overexertion  K Pinch points Cuts/abrasions  Spills Overhead Electrical hazards Elevated loads X Slips, trip and falls Manual lifting	ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment

Hazard Control Measur	res (Check All That Apply):		
PPE	Protective Systems	Fire Protection	[ #1 i - 1
		Fire extinguishers	Electrical
Thermal/lined	Sloping	Fire extinguisners	Lockout/tagout
<b>X</b> Eye	Shoring	Fire watch	Grounded
✓ Dermal/hand	Trench box	Non-spark tools	X Panels covered
X Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	X Competent person	Intrinsically safe equipment	≥ Power tools/cord inspected
★Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Naily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	✓ Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	✓ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	**Deperator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	_ Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	★ Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
— Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
	Work stops until cleared by		
Dig alert called 3 <sup>rd</sup> Party locater	TM/CM	Xreviewed and approved by HSM	
As-builts reviewed	✓ Immediate calls to TM/CM	∠on site and current	
As-builts reviewed	Client notification	applicable for this day's work	
Client review	★ 24 hour notification setup	Communication and incident prod	cesses included?
Client review soft locate necessary?	Clear communications		
sort locate necessary?	Aciesi communications		
F: 1131 / /: 1 1:		1	*
Field Notes (including	observations from prior day, e	etc.):	
	man.		

Name (Print): MANALKO
Signature: MANALKO

SUB CONTRACTOR DAILY REPORT  USA Environmental						
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			

#### SUMMARY OF WORK PERFORMED TODAY

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

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	80	8
TEC III Egbert, Robert		80	8
TEC 1 McCoig		80	8
TEC II Capano, John		72	8
TEC II Brown, Kenneth		80	8
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	
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		

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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.
one 4 man team.

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

MAY 2021

CH2MHILL
CONTRACT NAME:
CONTRACT NUMBER:
REVISION NUMBER:
TASK ORDER NUMBER:
PROJECT NUMBER:
PROJECT MANAGER:
Senior UXO Supervisor:

## **CH2M HILL DAILY REPORT**

CONTRACT NAME: Former Raritan Arsenal		REPORT NO:		024					
CONTRACT NU	JMBER:	W912DY-09-D-0060		REPORT DATE:		11/19/13			
REVISION NUM	VISION NUMBER: 1 REVISION DATE:		ГЕ:	10/30/13					
TASK ORDER N	TASK ORDER NUMBER: 003 PROJECT NAME /		IE / LOCATION:	Former Raritan Arsenal, Edison, NJ					
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inves	stigation	
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron		
AM WEATHER:	Clear, cool		PM WEATHER:	Clear, wa	rm, 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

Wester ones confirmered by the second			
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			
_			

#### FOLIDMENT 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

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WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
		Daily Tailgate, PTSP, field and equipment inspection	s. Continue with vege	tation reduc	tion and surface clearar	nce. VARGO to	
Planned Work / Test for Tomorrow: Vegetation reduction, surface sweeps, and surveying							
Planned Work / Test fo	or Next Wee	k: None- Holiday Break.					
CHANGED CONDIT project attributable to s None encountered for	site and weat	AY/CONFLICTS ENCOUNTERED (List any continue conditions, etc.):	flicts with the project	[i.e., scope o	of work and/or drawing	s], delays to the	
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	nils on site visitors, d	iscussions a	nd meeting		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO	JOB SITE				_	
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer		Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp		Inspection Performed			Findings		
Schonsted inspec		Daily/Serviceability		Pass			
GPS Equipme		Daily/Serviceability			Pass		
Generator		Daily/ Serviceability			Pass		
Fire Extinguish		Monthly			Pass		
First Aid Ki	t	Monthly			Pass		
Bob Cat / ARC	GO	Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	ED .						
Task/Activity Te		Test Performed		,	Test Results (Pass/Fail)	- Criteria	
GPS equipme		Function and accuracy test			Pass		
Schonsted		QC check			Pass		
Site communication/ R	Radio	Radio Check			Pass		
				i e			

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

MAY 2021

QUALITY ISSU	JES AND RI	ESOLUTIONS: no	ne									
			SUBI	MITTALS INSI	PECTION /	REVII	E <b>W</b>					
Submittal No.	Submit Descript		Specification/I	Plan Reference			Submittal Approved?			Comment/Reaso	on/Action	
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
	•	'							ı.			
			REGU	ULATORY COM	MPLIANCI	E REPO	ORT					
PERMIT INSP	ECTIONS P	ERFORMED: NA										
		W	ASTE ACCUM	MULATION/ST	OCKPILE	AREA	INSPE	CTIO	N			
Inspection Perfor	med By:	NA			Signature of	of Inspec	ctor:	NA				
Accumulation / Stockpile Area I	rspected:	NA										
No of Containers:	ΙA	No of Tanks	NA		No of Roll-	-Off Bo	xes:	NA			No. of Drums	NA
Inspection Resul	ts: NA		•	·								•
				GENERAL (	COMMEN	TS						
General Comme	nts~ (rework,	directives, etc.): M	arsh Master onsi	ite 11-19-13							•	•
				ATTACI	HMENTS							
List of Attachme RFIs, DCNs, pho	nts: (examp otographs, etc	les, as applicable: s .): Daily Production	ibmittals, meetii Report, Daily U	ng minutes, safe UXO Safety Brie	ty meeting 1 f, Daily PTS	minutes, SP, and	, COCs, Daily Q	weigh C Rep	t ticket ort. Sul	s, man bcontra	ifests, profiles, rev actor daily reports.	vork item list,
portions or desig and last name on	nate as "not a each comple	ly in ink. Line out pplicable". Prepare ted daily report. Th I signed electronica	r signs first is form may		Jonathan	Waldro	on				1	1/19/13
be filled out elec	nomeany and	signed electronica	ıy.		PREPARE	R'S SIGN	NATURE				·	DATE

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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



CH2M HILL W912DY-09-D-0060  CONTRACTOR PRODUC (ATTACH ADDITIONAL SHEETS I						ORT		REVISIO	PATE OF REPORT: 11/19/2013 EVISION NO: EVISION DATE:		
CTO NO: 003	PROJECT NAM	E/LOC.	ATION: Former Raritan Arso	enal –	- RI/FS			REPORT	REPORT NO: 024		
PROJECT NO: 427	946	SU	XOS: Chris Rose			UXOSO:	Mike Ma	lko	UXOQCS: Mike	Malko	
AM WEATHER: Clear,	breezy / cold	PM	WEATHER: Clear, breezy / cold	l		MAX TEN	MP: 48 °F		MIN TEMP: 42 °F		
			SUMMARY OF WORL	K PE	RFORMED TO	ODAY					
The Marsh Master arrive reduction in DSA 1 and 1.  The following points were	d on site at approximately 2 DSA 2.	10:00 Al	nsects were completed: TDSA5-M. The operator was given an ini 8, 6B, 7A & B AND 8B; DSA3: D 25 A & B.	tial sit	e and safety briefi	ing and bega	n work. The	e Marsh Master	r completed the veget	,	
,	Was A Job Safety Meeti	ng Helo	d This Date?		⊠ Yes	☐ No			OURS ON JOB S		
/ \ \	Were there any lost-time If Yes, attach copy of comp	oleted O	SHA report)		☐ Yes	⊠ No	CH2M	HILL On-Sit	e Hours	30	
	Was a Confined Space E If Yes, attach copy of each		ermit Administered This Date	?	Yes	⊠ No	Subcon	tractor On-Si	te Hours	77	
SAI	Work/ HAZMAT Work	Done?	ng/ Scaffold/ HV Electric/Hig		☐ Yes	⊠ No		<b>On-Site Hour</b> tive Total of		107 3599	
	,		t showing inspection performed)  Released into the Environm		☐ Yes	⊠ No	-	revious Repo Tork Hours F		3706	
	If Yes, attach description o		nt and proposed action)  INSPECTIONS CONDUCT	red .			Constru		s given corrective		
taken, and results of	safety inspections cond	ucted):	Daily safety briefing; equipmen			, rotations,			s giren, correcure	uctions	
	EQUIPMENT/MATERIA		E INCORPORATED IN JOB MAKE/ MODEL/		EQUIPMEN	IT/ LOT	INS	PECTION	NUMBER/ V	OLUME/	
	ECEIVED		MANUFACTURER		NUMB			ORMED BY	WEIG		
EQUIPMENT USED O	ON JOB SITE TODAY.	I					1	N	UMBER OF HOURS	7	
EQUIPMENT	DESCRIPTION	EQ	UIPMENT MAKE/MODEL	S	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR	
G	PS		Trimble Geo XH		Chris Rose		10	0	KEFAIK		
	Vehicle		Argo			Mike Malko		0	8		
	niler		Leonard		Mike Malko		0	8			
G	PS		Trimble Geo XH		Mike Malko		10	0			
Pick-u	p Truck		Dodge Ram 1500		Jonathan Waldron			10	0		
Pick-u	p truck		Chevrolet Silverado		Mike N	Malko	10		0		
SI	JV		Ford Edge		Chris			10	0		
Office	Trailer		ModSpace		Jonathan '			10	0		
	erator		Ingersol Rand		Jonathan '			10	0		
	le toilet	-	Satellite Industries		Chris Chris			10	0		
	le toilet		Satellite Industries  Bobcat		Jonathan '			0	10		
-	Vehicle niler		EZDumper		Jonathan '			0	10		
112	mei		amper					<u> </u>			
	ONS/DELAY/CONFLICT ite and weather conditi		OUNTERED ( <i>List any conflic</i> c.):	cts wi	ith the delivery	order [i.e.,	scope of v	work and/or	drawings], delays	to the	
VISITORS TO THE SI											

CH2M HILL W912DY-09-D-0060	TONIKACIOK PRODUCTION REPORT			TE OF REPORT: 11/19/2 VISION NO: VISION DATE:	2013		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsena	1 – RI/FS	RE	REPORT NO: 024			
	WORK PERFO	RMED TODAY					
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS		
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10		
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10		
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	10		
	INCLUDE ALL PERSONNEL WORK HOURS	IN THE TOTAL WORK HOURS	ON JOB SITE				
SAFETY REQUI	REMENTS HAVE BEEN MET	Chri Roz		11/19/13 DATE			

Project.	RI/FS Former I	Raritan Arsenal		Date: 11/19/	2013
LOCATION (	OF WORK: D	SA-1, DSA-2, DSA	x-3, DSA-5, Area 12	2,	
DESCRIPTION	ON OF WORK:	Transect layout	and marking, Vege	tation Remova	<u> </u>
WEATHER:	⊠(CLEAF	(FOG)	$\square$ (P.CLOUDY)	$\square$ (RAIN)	$\square$ (WINDY)
TEMPERATI	URE:	MIN: <u>41</u> °F		MAX: <u>46</u> °F.	
1. Work con	npleted today by	subcontractor:			
CH2M Hill's	subcontractor U	SAE continued veg	getation removal in I	DSA-5, DSA-1,	and DSA-2.
The Marsh M			de quick work of the		
DSA-2.					
CH2M Hill's	Subcontractor V	argo continued tra	nsect stake out in D	SA-1 DSA-2	DSA-3 and
Area 12.	odbeomiación v	argo continuca tra	riscot stake out in D	OA-1, DOA-2,	DOA-3 and
2. Work con	npleted today by	QC inspection sta	aff :		
		•	etation removal tea	m.	
	on of DSA 5 vege				_
	on of surface clea				
Blind Seedin	g of DSA 1 and	DSA 2.			
3 All work ne	erformed in conf	ormance with Wor	k Plan requirements	s? Yes	
If not, explain		omianoe with vvoi	KT Idit requirements	7: 103	
4. Non-confo	rmances/deficie	ncies reported:			
5. Comments	S:				
None					
		CERTIFICATI	ON: I certify that the a	bove report is co	omplete and
			at Lor my representat	•	•

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

Michael a Milka



#### CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet Supervisor: Reduction Print Name UDAE USAE HZM List Tasks and verify that applicable AHAs have been reviewed: Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, Chansay, Weed Wacker Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply): Chemical burns/contact Trench, excavations, cave-ins Ergonomics X Overexertion XPressurized lines/equipment Chemical splash <u>メ</u> Pinch points Thermal burns Poisonous plants/insects Electrical X Cuts/abrasions Eye hazards/flying projectile ★Weather conditions × Spills ★ Inhalation hazard Heights/fall > 6 feet Overhead Electrical hazards Heat/cold stress **∠** Noise Elevated loads X Water/drowning hazard Explosion/fire ≺ Slips, trip and falls ★ Heavy equipment Radiation ➤ Manual lifting Aerial lifts/platforms Confined space entry Welding/cutting Demolition **Underground Utilities** Security ∠ Poor communications Other Potential Hazards (Describe):

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PE	es (Check All That Apply):  Protective Systems	Fire Protection	Electrical
_Thermal/lined	Sloping	★ Fire extinguishers	Lockout/tagout
Eye	Shoring	¥ Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
_ Hearing	Barricades	Grounding/bonding	GFCI/extension cords
_ Respiratory	Competent person	Intrinsically safe equipment	K Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	➤ Daily inspections		Underground utils ID'd
_ Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
_Guardrail system	Radiation		Flash-back arrestors
Covered opening	Personnel sampling	★ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
warring system	Other	✓ Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
_ Isolation	First-aid kit	Work/rest regime	Traffic control
_ Air monitoring	₹ Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	₹ Liquids available	Flags
Permit completed	∠ Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	★ Competent person
Excavation	Competent person		∠ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	✓ Work stops until cleared by	Xreviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	Xon site and current	
As-builts reviewed	≥ Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	≥ Client notification	ZCommunication and incident pro	ocesses included?
Client review	₹24 hour notification setup		
soft locate necessary?	∠Clear communications		
Field Notes (including	observations from prior day,	etc.):	
Det mards		verting easy acce.	ss to oreas.
		)	

Name (Print):

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

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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>	% CUT	% SWEEP
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

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 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 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.

F-307

## 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 SCHAEFFEC

#### 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	(854)701-8426	\$ 9.25 HL.	9,25 HR SAME
Schaeffer, Phil	(856)701-8426 SAME		SAME
Vargo, Bob			
Vargo, Bob			

#### **VEHICLES**

D	escription	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						
1	Trailer						
V	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

DAILY REPORT - Page 1 of 2

	TOTAL STAT	TIONS	
Description	Make/ Model		, , , , , , , , , , , , , , , , , , ,
Robotic Total Station		92712509	VARGO ID #
<del></del>	Trimble / S6 Trimble / TSC2		ROBO
Data Collector	Leica / 12004	SS32C04225	ROBO
Total Station  Data Collector	Trimble / Ranger	268308 SS12A07095	JQ
Total Station	Leica / 12004	268949	JQ MP
Data Collector	Trimble / Ranger	SS12A07123	MP
Total Station	Leica / 12004	236205	
Data Collector	Trimble / Ranger	SS12A07224	XTRA
Data Collector	Tillible / Kallger	331ZAU7ZZ4	XTRA
	DIGITAL LE	VELS	
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 N	IAME:	Former I	Former Raritan Arsenal		REPORT NO	):	025			
CONTRACT	NUMBER:	W912DY-09-D-0060		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		, NJ		
PROJECT NUMBER: 42794		427946	7946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MANAGER: Mark C		Mark Ca	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Supervisor:		Chris Ro	Chris Rose			SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron		
AM WEATHER:	Clear, cold		PM WEATHER:	Clear, co	ld.	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 Piettro 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**

ARGO		CH2M HILL
16 10 101 141		CHZM HILL
ModSpace 10'x44'	291159	CH2M HILL
Ingersoll Rand G70	341125 PC-545	CH2M HILL
Motorola PR 400		CH2M HILL
Schonsted		CH2M HILL
Trimbel Geo XH 6000		CH2M HILL
Bob Cat 3400	31455	CH2M HILL
Sunbelt rentals/Dumper	186970	CH2M HILL
Leonard	660	CH2M HILL
	11 30 30 00 00 00 00 00 00 00 00 00 00 00	
	Motorola PR 400 Schonsted Trimbel Geo XH 6000 Bob Cat 3400 Sunbelt rentals/Dumper	Motorola PR 400 Schonsted Trimbel Geo XH 6000 Bob Cat 3400 31455 Sunbelt rentals/Dumper 186970

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

WODE AND/OD TES	TE ACCO	MMDI ICHED OD IN DDOCDECC			***		
		DMPLISHED OR IN PROGRESS  Deily Toilgate DTSD field and equipment investigate and equipment inve	C		THEOR		
continue surveying	Tor Today.	Daily Tailgate, PTSP, field and equipment inspection	is. Continue with vegetation redu	ction and surface clears	ince. VARGO to		
Planned Work / Test fo	г Тотоггоч	w: Vegetation reduction, surface sweeps, and surveying	ng		· · · · · · · · · · · · · · · · · · ·		
Planned Work / Test fo	r Next Wee	k: None- Holiday Break.					
CHANGED CONDIT project attributable to si None encountered for	ite and wear	LAY/CONFLICTS ENCOUNTERED (List any continuous conditions, etc.):	nflicts with the project [i.e., scope	of work and/or drawing	gs], delays to the		
VISITORS AND DISC	CUSSIONS	S: See attached QC and Production Report for det	ails on site visitors, discussions	and meeting			
***************************************	***************************************	QUALITY CONTRO					
MATERIALS DELIV	ERED TO	JOB SITE	**************************************				
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer	Material Lot Number	Inspection Performed By		
		See Attached					
		The state of the s					
				-			
COMMENTS (accept	ance status	s, inspection findings, etc.): Pass					
INSPECTIONS PERI							
Task/Activity Inspe		Inspection Performed		Findings			
Schonstedt inspec		Daily/Serviceability		Pass			
GPS Equipmen	ıt	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability		Pass			
Fire Extinguishe	ers	Monthly		Pass			
First Aid Kit	***************************************	Monthly		Pass			
Bob Cat / ARG	0	Daily/Weekly		Pass			
Field Vehicles	3	Daily/Weekly		Pass			
TESTS PERFORMEI	)						
Task/Activity Tes		Test Performed	T	T-ot D14- (D/F-11	) G.1. :		
GPS equipmen		Function and accuracy test	Test Results (Pass/Fai		) - Criteria		
Schonstedt		QC check		Pass Pass			
		Radio Check					
Site communication/ Ra	1010	Radio Circox		Pass			

					***************************************					
QUALITY IS	SSUES AND RI	ESOLUTIONS: no	one		***************************************		<b></b>			
	-	***************************************	SUB	MITTALS INSPEC	CTION / REV	EW		·	The second secon	MANUFACTOR CONTRACTOR OF THE
Submittal No	o. Submit			/Plan Reference		omittal A	pprove	d?	Comment/Reas	on/Action
NA					Yes		No			
					Yes		No		· · · · · · · · · · · · · · · · · · ·	
					Yes		No			
				The state of the s	Yes		No		***************************************	
							20130			
PERMIT IN	SPECTIONS P	ERFORMED: NA		ULATORY COMP	LIANCE REP	ORT	- and a second and a second			
		· v	VASTE ACCU	MULATION/STOC	CKPILE AREA	INSPE	CTIO	N		
Inspection Per		NA		Sig	gnature of Insp	re of Inspector: NA				
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA	No	of Roll-Off B	oxes:	NA		No. of Drums	NA
Inspection Re	sults: NA									
				GENERAL CO	MMENTS					
General Com	ments~ (rework,	directives, etc.): M	arsh Master ons	site 11-19-13						
			~~~	ATTACHM					73-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
List of Attach RFIs, DCNs,	ments: (examp photographs, etc	les, as applicable: s	ubmittals, meet n Report, Daily	ting minutes, safety in UXO Safety Brief, I	neeting minute Daily PTSP, and	s, COCs, I Daily Q	, weigh C Rep	t tickets, ort. Subo	manifests, profiles, re contractor daily reports	work item list,
portions or de and last name	signate as "not a on each comple	oly in ink. Line out applicable". Prepar tted daily report. T	er signs first his form may		Chris 1	lose				11/20/13
De Hilea out e	rectronically and	d signed electronica	шу. '		DDEDARED'S SIG	MATTIDE				DATE

PAGE 3 OF 3

				APPENDIX F -	DAII	LY REPORTS						
CH2M HIL W912DY-09-D-0	- 1	СО		RACTOR PRODU		CTION REPORT IS IF NECESSARY)				DATE OF REPORT: 11/20/2013 REVISION NO: REVISION DATE:		
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arse			enal – RI/FS			REPORT	REPORT NO: 025			
PROJECT NO: 42	27946	946 SUXOS: Chris Rose				UXOSO: Mike Malk			lko	Malko		
AM WEATHER: Clea	ır, breezy	/ cold	PM	WEATHER: Clear, breezy / col-	d		MAX TEN	/IP: 46 °F		MIN TEMP: 30 °F		
				SUMMARY OF WOR	K PE	RFORMED T	ODAY	1,000		· · · · · · · · · · · · · · · · · · ·		
The surface sweep and	l surveyi	ng in DSA 1 and DSA	2 was	completed.							***************************************	
Vegetation reduction v	was comp	oleted in DSA 3.										
The UXO surface swee	ep of DS	A 5 was started. The	UXO su	nsects were completed: TDSA5- rface sweep was completed on t	17, TI he foll	DSA5-18 and TDS lowing transects: 1	SA5-19, 12, 13, 14, 15	, 16, 17, 18	s, 19 25 and T	30-DSA 5-1.		
				B, 8A, 8B, 9A and 9B.  The site and were given a tour of the site and were given as the site and were given as the site and were given as the site and the site	ha Aw	anal aida afsha m						
Saidia Fictio and Fie		Job Safety Meetin	594909090		ne Ars	Yes	□ No			OURS ON JOB		
/ > \	Were (If Yes	there any lost-time, attach copy of comp	accide	nts this date? SHA report)		☐ Yes	⊠ No		HILL On-Si		27	
JOB	Was a (If Yes	Confined Space E	ntry Pe permit)	rmit Administered This Date	e?	☐ Yes	⊠ No	Subcon	tractor On-S	ite Hours	88	
SAI		Crane/ Man-lift/ Tr HAZMAT Work l		g/ Scaffold/ HV Electric/His	gh	☐ Yes	⊠ No			rs This Date	115	
				showing inspection performed)  Released into the Environm				From P	revious Repe	ort	3706	
	(If Yes	, attach description of	inciden	t and proposed action)		☐ Yes	⊠ No	Constru	ction	From Start of	3821	
SAFETY ACTION taken, and results of	NS TAK of safety	EN TODAY/SAF inspections condu	ETY Incted):	NSPECTIONS CONDUCTOR Daily safety briefing; equipment	TED it insp	(Include safety ections	violations,	corrective	e instruction	s given, correctiv	e actions	
				E INCORPORATED IN JOB								
DESCRIPTION OF EQUIPMENT/MATERIAL MAKE/ MODEL/ RECEIVED MANUFACTURER				EQUIPMENT/ LOT INSPECTION NUMBER PERFORMED								
***************************************												
					,-							
TOVERS OF THE PARTY OF THE PART						L						
EQUIPMENT USED	ON JOI	B SITE TODAY.										
EQUIPMEN'	T DESCI	RIPTION	EQU	EQUIPMENT MAKE/MODEL S  Trimble Geo XH		AFETY CHECK I	PERFORMED BY		NUMBER OF HOURS			
	GPS					Chris			USED 10	IDLE 0	REPAIR	
	y Vehicl	e		Argo		Mike N			0	8		
Т	Trailer			Leonard	Mike Malko			0	8			
	GPS			Trimble Geo XH	Mike Malko				10	0		
Pick-	-up Trucl	k .		Dodge Ram 1500		Jonathan Waldron		7	0			
Pick	-up truck			Chevrolet Silverado		Mike Malko		10	0			
	SUV			Ford Edge		Chris 1			10	0		
<del></del>	ce Traile	r		ModSpace		Jonathan 1			10	0		
	enerator			Ingersol Rand		Jonathan V			10	0		
***************************************	able toile			Satellite Industries	Chris Rose Chris Rose			10	0			
	able toile			Satellite Industries		Jonathan V			10	0	4	
	y Vehicl Trailer	e		Bobcat EZDumper		Jonathan V			0	10		
	IVI			<i>Descripe</i>		- Continuity			0	10		
CHANGED CONDIT	TIONS/D o site an	ELAY/CONFLICTS d weather condition	S ENCO	DUNTERED (List any conflict.):	cts wi	ith the delivery	order [i.e.,	scope of w	vork and/or	drawings], delays	to the	
VISITORS TO THE			* Company									
LIST OF ATTACHME	NTS (O.	SHA report, confir	ied spa	ce entry permit, incident re	ports,	etc.):		***************************************				

PAGE13OF 2

VISITORS TO THE SITE: USACE: Sandra Piettro, Heather Sullivan	
LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):	

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODU (ATTACH ADDITIONAL SHEE	REV	DATE OF REPORT: 11/20/2013 REVISION NO: REVISION DATE:		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arse	REP	ORT NO: 025		
	WORK PERF	ORMED TODAY	·	·	
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	7
				****	
L.	INCLUDE ALL PERSONNEL WORK HOUL	RS IN THE TOTAL WORK HOURS	S ON JOB SITE		
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Ros	يد	11/20/13	
		SUPERINTENDENT'S SIG	NATURE	DATE	

PA331242 OF 2

Project. RI/FS Former Rarita	an Arsenal		Date: 11/20/2013				
LOCATION OF WORK: DSA-1	, DSA-2, DSA	-3, DSA-5, Area 12	2				
	ansect layout earance	and marking, Veget	ation Removal	, Surface			
WEATHER: ⊠(CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	$\square$ (RAIN)	$\square$ (WINDY)			
TEMPERATURE:	MIN: <u>30</u> °F		MAX: <u>44</u> °F.				
Work completed today by sub-	contractor:						
CH2M Hill's subcontractor USAE The Marsh Master Cutter was stu- loaded on the trailer	continued veg ck in the mud	@ 15:15 and was fr	reed @ 16:15 a	and was then			
CH2M Hill's subcontractor USAE	completed the	surface clearance	of DSA-1 and I	DSA-2.			
CH2M Hill's Subcontractor Vargo	continued trai	nsect stake out in D	SA-1, DSA-2, a	and Area 12.			
Work completed today by QC Monitored work practice and procteam.	edures of veg		n and surface	clearance			
QC Inspection of DSA 1 Surface (		Anna Anna Anna Anna Anna Anna Anna Anna		***			
QC Inspection of DSA 2 Surface (Blind Seeding of DSA 1 (DGM) BI		FDSA 1 and DSA 2	(ourfoss sloor	ones)			
Billia deeding of BOA 1 (BGM) Bi	ind seeding o	DOA-1 and DOA-2	(Surface Clears	ance),			
3. All work performed in conforma	nce with Worl	c Plan requirements	? Yes				
If not, explain:							
4. Non-conformances/deficiencies	reported:						
5. Comments:							
None							
	correct and that identified on the knowledge and with work plant above.	ON: I certify that the alat I, or my representatis report and have deal belief that noted wors and specifications, e	ive, have inspectermined to the lack activities are in except as may be	ted all work best of my n compliance			

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

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

Surface Clearance Dredge Spoil Area 1	
Rose, Chris	
Malko, Michael	The state of the s
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.

Michala Melka

11-20-2013

Project QC Specialist

Date

# HSSE Target Zero World-Class Performance

## CH21VIHILL

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

ffolds, fall protec	Sign Name Sign N
FHZM SAE SAE SAE MM HIDVA PER revièwed: TIOS, NOW PER COMPANY FOODS, NOW PER COMPANY FOODS, FAIL Protect	Sign Name
FHZM SAE SAE SAE MM HIDVA PER revièwed: TIOS, NOW PER COMPANY FOODS, NOW PER COMPANY FOODS, FAIL Protect	Sign Name
SAE SAE SAE SAE MAN 1-1,2 VM DEAE TIOS. NOW CLOSE TO SE TOOS. NOW DEAE TOOS. NOW DEAE DEAE TOOS. NOW DEAE TOOS. NOW DEAE TOOS. NOW DEAE DEAE DEAE DEAE DEAE DEAE DEAE DEA	ection, cranes/rigging, heavy equipment,
SAE SAE SAE SAE MAN 1-1,2 VM DEAE TIOS. NOW CLOSE TO SE TOOS. NOW DEAE TOOS. NOW DEAE DEAE TOOS. NOW DEAE TOOS. NOW DEAE TOOS. NOW DEAE DEAE DEAE DEAE DEAE DEAE DEAE DEA	ection, cranes/rigging, heavy equipment,
SAE SAE SAE MM HJVM DSAE een revièwed: Clas. Nord E Cleerone	ection, cranes/rigging, heavy equipment,
SAE SAE SAE MM HJVM DSAE een revièwed: Clas. Nord E Cleerone	ection, cranes/rigging, heavy equipment,
SAE  MM  1-1-2 VM  2-2-4  The reviewed:  The hord  2-4  Floor, hord  Flore  Floor, hord  Floor,	ection, cranes/rigging, heavy equipment,
SAE  MM  1-1-2 VM  2-2-4  The reviewed:  The hord  2-4  Floor, hord  Flore  Floor, hord  Floor,	ection, cranes/rigging, heavy equipment,
SAE  MM  1-1-2 VM  2-2-4  The reviewed:  The hord  2-4  Floor, hord  Flore  Floor, hord  Floor,	ection, cranes/rigging, heavy equipment,
ren revièwed:  rlos, had  e Cleare	ection, cranes/rigging, heavy equipment,
en revièwed:  Thos. had  E Clearne  ffolds, fall protect	ection, cranes/rigging, heavy equipment,
ren revièwed:  The had  Le Gerone  ffolds, fall protec	ection, cranes/rigging, heavy equipment,
folds, fall protect	ection, cranes/rigging, heavy equipment,
ffolds, fall protec	ection, cranes/rigging, heavy equipment,
ffolds, fall protec	
16 persh he	oy, had & power tools
Logersh he	og, had t power took
al, safety, biolog	gical and environmental (check all that
, ,,	(0.120, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.1, 0.
vations, cave-ins	≚Ergonomics
	Chemical splash
	✓ Poisonous plants/insects
ns	
	∠ Inhalation hazard
ectrical hazards	★ Heat/cold stress
ds	
d falls	
A Plateau	Aerial lifts/platforms
5	
	Demolition
ting	Demolition
	Poor communications
-	)g

PE	Protective Systems	Fire Protection	Electrical
Thermal/lined Cold	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	✓ Fire watch	₹ Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory Dust	X Competent person	Intrinsically safe equipment	V Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
_ Flotation device	∠ Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
- Hard Hat	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
	Detector tubes	✓ Forklift/heavy equipment	Cylinders separated/upright
Adequate anchorage	Radiation	Backup alarms	
Guardrail system			Flash-back arrestors
_ Covered opening	Personnel sampling	∠ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	_Other	_XOperator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	✓ First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	X FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
— vescue			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	★ Heavy equipment	Task-specific
_ Demolition	Hazmat present	Drill rigs/geoprobe rigs	∠FA/CPR
Energized work		Cranes and rigging	Confined Space
chergized work		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by TM/CM	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	Immediate calls to TM/CM	X on site and current	
As-builts reviewed	Client notification	$\frac{X}{X}$ applicable for this day's work	
Interview site staff	X24 hour notification setup	Communication and incident pro	ocesses included?
Client review			
soft locate necessary?	★Clear communications		
		<u> </u>	
Field Notes (including	observations from prior day,	etc.):	
Morsh I leste	- aperations work	re accorde to pl	α
And the same of th			

Name (Print): Signature:

	CH2MHILL
10000	

## 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:

% CUT	% SWEEP
100	100
100	100
100	0
0	0
65	20
0	0
100	100
90	0
0	0
100	100
	100 100 100 0 65 0 100 90

#### 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 1 McCoig		98	10
TEC II Capano, John		90	10
TEC II Brown, Kenneth		98	10
			A.134

,			T
[6] 1,7(5);(1);(2);(2);(3);(3);(4);(4);(4);(4);(4);(4);(4);(4);(4);(4			
EQUIPMENT ON HAND		770 / m - m - m - m - m - m - m - m - m - m	
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 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		
		***************************************	
		M	

**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.

#### CH2MHILL

# 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	PROJET NAME / LOCATION:	Former Raritan Arsenal, Edison, NJ
PROJECT NUMBER:	427946	PROJECT DESCRIPTION:	Remedial Investigation
PROJECT MANAGER:	MIKE (IARGO	FIELD TEAM LEADER	PHIL SCHAEFFER

#### SUMMARY OF WORK PERFORMED TODAY

GAS LAYOUT AREAS 1,2 \$12

#### WORK FORCE - SUBCONTRACTOR - VARGO

lours Today	Total Hours	Cumulative Total of Work Hours From Previous Report	Contact Number/ Information	Company/Employee Name
				Constantine, Ed
				Kinsey, Tara
	7.777.40.00			Lawyer, Lori
				Ledden, Al
***************************************	***************************************			Panichelli, Mike
40	9 HR	35.75	(856) 701-8426	Quirin, Jim
	9HR	43.75	(856) 701-8426 SAME	Schaeffer, Phil
·/C	FIFE			Vargo, Bob
				Vargo, Bob

#### **VEHICLES**

D	escription	Make/Model	Tag #	VIN#	Mileage/Hour START	Mileage/Hour END	VARGO ID#
	Truck	Ford F-150	XP-637D	1FTPW14548FA34055			8
V	Truck	Ford F-150	XG323C	1FTPW14546KC78907	235053		6
	Truck	Ford F-150	XJ874T	1FTPX14V66NB84703			7
	Truck	Sprinter Van	XF-665V	WD0PD644555850985			Sprinter
	Trailer						Sprinter
1	Trailer						<del>                                     </del>
V	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

DAILY REPORT - Page 1 of 2

F-321

		· · · · · · · · · · · · · · · · · · ·		
	TOTAL STA	TIONS		
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	1Q	
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 LE	N/E/ C		
Description	Make/ Model			
Digital Levels	Leica / Sprinter 250M	Serial # 2211072	VARGO ID #	
Digital Levels			Truck 7	
Digital Levels Leica / Sprinter 250M		2211074 2100476	Truck 6	
Digital Levels	Leica / Sprinter 13000	2100476	Truck 8	
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	32200034		
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	
			WIF	



# CH2M HILL DAILY REPORT

CONTRACT N	IAME:	Former Raritan Arsenal			REPORT NO:		026		
CONTRACT	NUMBER:	W912DY-09-D-0060		REPORT DATE:		11/21/13			
REVISION NU	MBER:	1		REVISION DATE:		10/30/13			
TASK ORDER	NUMBER:	IUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUI	PROJECT NUMBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MA	DJECT MANAGER: Mark Callaghan			UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Su	JXO Supervisor: Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron				
AM WEATHER:	Clear, cold	- I - I - I - I - I - I - I - I - I - I	PM WEATHER:	Clear, co	ol.	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

Cumulative Total of Work Hours From Previous Report	Total Hours Today on site	
See attached	20	
	Hours From Previous Report	Hours From Previous on site Report on site

#### **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
		****	

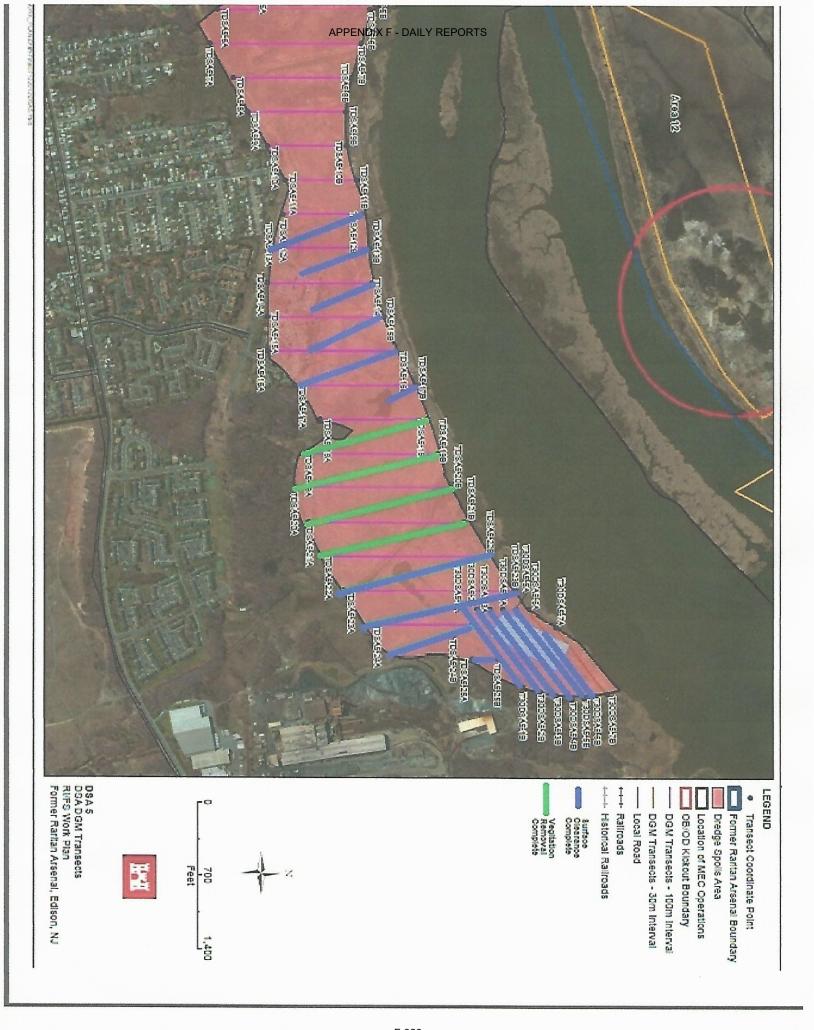
PAGE25OF 4

COMPANDAMO (	-	ALL ENDIAL - DAIL	T INCI ON 15						
COMMENTS (accep	tance status	s, inspection findings, etc.): None							
						TOTAL VISITAL OF THE COMMENT OF THE			
		MPLISHED OR IN PROGRESS							
Performed Work / Tes continue surveying	t for Today:	Daily Tailgate, PTSP, field and equipment inspection	ons. Continue with veg	etation reduc	tion and surface clearar	nce. VARGO to			
Planned Work / Test for	or Tomorrov	v: Vegetation reduction, surface sweeps.			Vietne Aville all III	TO BE VEHICLE AND THE PARTY OF			
Planned Work / Test for	or Next Wee	k: None- Holiday Break.							
CHANGED CONDIT project attributable to s None encountered for	site and weat	AY/CONFLICTS ENCOUNTERED (List any cother conditions, etc.): .	onflicts with the projec	t [i.e., scope o	of work and/or drawing	s], delays to the			
MICKEODG AND DIG	CHICALONIC								
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for de		discussions a	nd meeting				
MATERIALS DELIV	VERED TO	QUALITY CONTRO JOB SITE	OL REPORT		THE STORE LAND				
Quantity/Volume/		Description of Materials Received	Make/Model/Mar	nufacturer	Material Lot	Inspection			
Weight		See Attached			Number	Performed By			
	****	350 / Kladilot							
	****								
COMMENTS (accept	tance status	, inspection findings, etc.): Pass				<u> </u>			
INSPECTIONS PER	FORMED								
Task/Activity Insp		Inspection Performed		Findings					
Schonstedt inspe		Daily/Serviceability		Pass					
GPS Equipme	nt	Daily/Serviceability	The state of the s	Pass					
Generator		Daily/ Serviceability		Pass					
Fire Extinguish	ers	Monthly		Pass					
First Aid Kit	t	Monthly		Pass					
Bob Cat / ARC		Daily/Weekly		Pass					
Field Vehicles Daily/Weekly			Pass						
				ļ					
				<u> </u>					
TESTS PERFORME		Total Dark		T					
Task/Activity Tested Test Performed  GPS equipment Function and accuracy tes			Test Results (Pass/Fail) - Criteria						
		QC check		Pass Pass					
		Radio Check				Pass			
Site communication/ R	auto	Kauro Circa			rass				
				<b>-</b>		-			

P4GE24 OF 4

P				APPENDIX F - DAILY RE	PORTS					
										***************************************
									<del></del>	
QUALITY I	SSUES AND R	ESOLUTIONS: n	one				1			
			SU	BMITTALS INSPECTION	/ REVI	EW				
Submittal N	o. Submi Descrip		Specification	n/Plan Reference	Sub	mittal A	pprove	ed?	Comment/Reas	on/Action
NA					Yes		No			
			-		Yes		No			
					Yes		No			· · · · · · · · · · · · · · · · · · ·
					Yes		No		,	
			REC	GULATORY COMPLIANO	E REPO	ORT		***		
PERMIT IN	SPECTIONS P	PERFORMED: NA	_						The same of the sa	
	****	V	VASTE ACCU	JMULATION/STOCKPILI	EAREA	INSPE	CTIO	N		
Inspection Pe	rformed By:	NA		Signature	of Inspe	ctor:	NA		77400000	
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA	No of Rol	l-Off Bo	xes:	NA		No. of Drums	NA
Inspection Re	sults: NA			<del></del>			٠		***************************************	<del></del>
				GENERAL COMMEN	TS					
General Compresentation	ments~ (rework,	, directives, etc.): H	ector Mosley	of the USACE visited the	project	site to	take	video for	a USACE Public A	Affairs
				ATTACHMENTS				-		
List of Attach RFIs, DCNs,	ments: (examp photographs, etc	oles, as applicable: s c.): Daily Productio	ubmittals, mee n Report, Daily	ting minutes, safety meeting VUXO Safety Brief, Daily PT	minutes, SP, and	COCs, Daily Q	weigh C Rep	t tickets, i	manifests, profiles, rev ontractor daily reports.	vork item list,
portions or de and last name	signate as "not a on each comple	oly in ink. Line out applicable". Prepar eted daily report. The d signed electronica	er signs first his form may	Chi	is R	000			]	1/21/13
of inter out o	and and and	a signed electronica	my.	PRFPAR	ER'S SIGN	ATTIRE				DATE

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				APPENDIX F -	DAIL	Y REPORTS						
CH2M HIL W912DY-09-D-0		CONTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NE					PORT		REVISIO	DATE OF REPORT: 11/21/2013 REVISION NO: REVISION DATE:		
CTO NO: 003		PROJECT NAME	/LOC	ATION: Former Raritan Arse	enal –	al – RI/FS			REPORT NO: 026			
PROJECT NO: 42	27946		SU	XOS: Chris Rose		UXOSO: Mike Mall			alko UXOQCS: Mike Mall		Malko	
AM WEATHER: Clea	ar / cold		PM	WEATHER: Clear / cool			MAX TEN	⁄IP: 50 °F		MIN TEMP: 34 °F		
SUMMARY OF WORK PERFORMED TODAY												
The UXO surface swe 5 and portions of T30- Land surveying was co	ep of DS DSA 5- ompleted	SA 5 continued The U 6 I in DSA 3 and Area 12	XO sui 2.	nsects were completed: TDSA5- face sweep was completed on the	e follo	owing transects:	5-22 and TDS 22, 23, 24 and	SA5-23, 1 T30-DSA	\ 5-2, T30-DSA	5-3, T30-DSA 5-4,	T30-DSA 5-	
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?  Yes No DATE (Including Continual C												
		there any lost-time			3000 148	☐ Yes	⊠ No		HILL On-Site		20	
JOB	Was a		try Pe	ermit Administered This Date	?	☐ Yes	⊠ No	Subcontractor On-Site Hours			90	
JC	Were	Crane/ Man-lift/ Tre	enching/ Scaffold/ HV Electric/High					Total (	On-Site Hour	s This Date	110	
Work/ HAZMAT Work Do				showing inspection performed)		☐ Yes	⊠ No	Cumul From 1	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)  ☐ Yes ☑ No						⊠ No	Total V Constr	Vork Hours Fruction	om Start of	3931	
SAFETY ACTION taken, and results of	NS TAI	KEN TODAY/SAF y inspections condu	ETY I	INSPECTIONS CONDUCT Daily safety briefing; equipmen	ΓED (	(Include safety	violations,	correcti	e instructions	given, correctiv	e actions	
EQUIPMENT/MAT	ERIAL	RECEIVED TODAY	то в	E INCORPORATED IN JOB								
DESCRIPTION OF EQUIPMENT/MATERIAL MAKE/ MODEL/ RECEIVED MANUFACTURER				EQUIPMEN NUME			SPECTION FORMED BY	NUMBER/ WEIG				
EQUIPMENT USED	ON JO	B SITE TODAY.										
EQUIPMEN	T DESC	CRIPTION	EQUIPMENT MAKE/MODEL SA		SAFETY CHECK PERI		K PERFORMED BY		N	JMBER OF HOUR	S	
	ana			T: 11 C 777	-	<i>a</i> :	_		USED 10	IDLE	REPAIR	
Tiell	GPS	1.		Trimble Geo XH			Rose			8		
	ty Vehic Trailer	ile .		Argo Mike Leonard Mike					0	8		
	GPS			Trimble Geo XH	Mike Malko			10	0			
Pick	-up Truc	ck		Dodge Ram 1500	Jonathan	0		10				
****	c-up truc			Chevrolet Silverado		Mike Malko			10	0		
	SUV			Ford Edge	Chris Rose			10	0			
Offi	ce Traile	er		ModSpace		Jonathan	Waldron	10		0	*	
G	enerator			Ingersol Rand		Jonathan	Waldron		10	0		
Port	able toil	et		Satellite Industries		Chris	Rose		10	0		
Port	able toil	et		Satellite Industries		Chris	Rose		10	0		
CHANGED CONDIT	TIONS/I	DELAY/CONFLICTS nd weather conditio	s ENC	OUNTERED (List any conflic 2.):	cts wi	th the delivery	order [i.e.,	scope of	work and/or a	drawings], delays	to the	
		JSACE: Sandra Piettro		S. W. establish								
LIST OF ATTACHMI	ENTS (C	OSHA report, confin	ed spe	ace entry permit, incident re	ports.	etc.):	777					

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	APPENDIX F	- DAILY REPORTS			
CH2M HILL W912DY-09-D-0060	CONTRACTOR PROD (ATTACH ADDITIONAL SHE	DATE OF REPORT: 11/21/2013 DEVISION NO: DEVISION DATE:			
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Ar:	senal – RI/FS	R	EPORT NO: 026	
	WORK PER	FORMED TODAY			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10
			<u> </u>	<del> </del>	
				<del> </del>	-
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	The state of the s				
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	The second secon				
				ļ	
			-		
	INCLUDE ALL PERSONNEL WORK HOU	RS IN THE TOTAL WORK HOURS	ON JOB SITE	1.	
SAFETY REQUIR	EMENTS HAVE BEEN MET 🛛	Chair Rose	\$	11/21/13	
		SUPERINTENDENT'S SIGN		DATE	_

# HSSE Target Zero World-Class Performance

#### CH2MHILL

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

ITEGITATION TRANSECT CACIS Print No TRILLE TRANSECT TRANS	N REMOUAL LAY OUT & SURVE	EY and
TRANSECT Chris F Indees: Print Na	LAY OUT + SURUE	EV ange
ndees: Print Na	-3-	(W)
/ .	120	1 2 - / WW NO
T.//- /	ame J	Sign Name
		Theyman
KGRT EHRHA		Jany her
Jason McCo	4	
Boan, Kem		
Jon Esbert	VIV.	Bn C
MAMA	LTC	morning
File Roc		4350
Tasks and verify that applica	able AHAs have been reviewed:	
HA'S REUIE	WED	
ECITATION Y		
URFACE CL	ERANCE	
AND TOOLS		TK TOTAL STATE
ential H&S Hazards, includin ly):	g chemical, physical, safety, biologic	cal and environmental (check all that
hemical burns/contact	Trench, excavations, cave-ins	Ergonomics
ressurized lines/equipment	<b>∠</b> Overexertion	Chemical splash
hermal burns	Pinch points	Poisonous plants/insects
lectrical	Luts/abrasions	Eye hazards/flying projectile
Veather conditions	<b>↓</b> Spills	Inhalation hazard
leights/fall > 6 feet	Overhead Electrical hazards	LHeat/cold stress
loise	Elevated loads	Water/drowning hazard
	Slips, trip and falls	∠Heavy equipment
xplosion/fire		
xplosion/fire tadiation	Manual lifting	Aerial lifts/platforms
	Manual lifting Welding/cutting	Aerial lifts/platforms Demolition
adiation		
ressurized lines/equipment hermal burns lectrical Veather conditions leights/fall > 6 feet	Overexertion  Pinch points  Luts/abrasions  Aspills  Overhead Electrical hazards	-  -       

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
<b>●</b> Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
■ Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	● Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue .		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	● Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	■ Competent person
Excavation	Competent person	Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
Energized work		Cranes and rigging	Confined Space
- Energized work		Utilities marked	Hazcom
			Mazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	●Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	●Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	■24 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including	observations from prior day,	etc.):	

Name (Print): MAMALKS
Signature:

Date: 21 Nov 13

Project.	RI/FS Former Rarit	an Arsenal		Date: 11/21/2	2013
LOCATION (	OF WORK: DSA-3	3, DSA-5, Area	a 12,		
DESCRIPTION		ransect layout learance	and marking, Vege	tation Removal	, Surface
WEATHER: TEMPERATU  1. Work con	⊠(CLEAR) JRE: npleted today by sub	☐(FOG) MIN: <u>34</u> °F	□(P.CLOUDY)	∏(RAIN) MAX: <u>50</u> °F.	□(WINDY)
	subcontractor USAE				
	Subcontractor Vargo			****	12
Monitored wo team.	npleted today by QC ork practice and prod	cedures of vege	etation removal tea	m and surface o	clearance
	n of DSA 3 Transec				
QC Inspectio	n of Area 12 Transe	ect/Boundary S	take Out		
Blind Seeding	g of Area 12 and DS	A 3 (DGM) Blir	nd seeding of DSA-	5 (surface clear	ance),
3. All work pe If not, explain	erformed in conforma	ance with Work	Plan requirements	? Yes	
4. Non-confo	rmances/deficiencie	s reported:			
5. Comments	:				
None					are described by the second
		correct and that identified on this knowledge and with work plans above.	DN: I certify that the a t I, or my representat is report and have de belief that noted work and specifications, e	ive, have inspect termined to the b k activities are in except as may be	ed all work est of my compliance

Project QC Specialist

	CH2MHILL
-	William Fit Story Transcriving and Denice and Control

### 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:

AREA	% CUT	% SWEEP
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 1 McCoig		108	10
TEC II Capano, John		100	10
TEC II Brown, Kenneth		108	10
, , , , , , , , , , , , , , , , , , , ,			A. A. C.
			Alpha C. C.

/Model/Manufacturer  Dodge 2500  Ford 350  Bobcat 180	Equipment ID Number  Lead TL  Team 1  Bobcat 2  Brush Tl	Miles/Hours for day (If Applicable) 65 40
Dodge 2500 Ford 350	Lead TL Team 1 Bobcat 2	Applicable) 65
Dodge 2500 Ford 350	Lead TL Team 1 Bobcat 2	Applicable) 65
Dodge 2500 Ford 350	Lead TL Team 1 Bobcat 2	Applicable) 65
Ford 350	Team 1 Bobcat 2	
	Bobcat 2	40
Bobcat 180		
	Bruch TI	
	Brush TI	
A RECOGNICATION CONTRACTOR OF THE PARTY OF T	Diusii II	
Stihl	N/A	
Stihl	N/A	
Shonstedt	N/A	
Nikon	, , , , , , , , , , , , , , , , , , ,	
Motorola		
	Nikon	Nikon

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

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.

Have begun 10 hour workdays as of 19 Nov 2013.

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.

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.

O CH	2MHILL		A	CH2	M HILL	TALL ON						
- CH2	FIAILIIFF		DA	ILY	REPOR	RT						
CONTRACT NA	AME:	Former Raritan	Arsenal		REPOR	T NO:			028			
CONTRACT N	UMBER:	W912DY-09-D	<b>)</b> -0060		REPOR	T DATE	:		12/02/13			
REVISION NU	MBER:	1			REVISI	ION DAT	ГЕ:		10/30/13			
TASK ORDER	NUMBER:	003		PROJECT NA			IE / LOC	CATION:	Former Rar	itan Arsenal, Edisor	n, NJ	
PROJECT NUM	MBER:	427946			PROJE	CT DESC	CRIPTIC	N:	Remedial Investigation			
PROJECT MAI	NAGER:	Mark Callaghar	n		UXO Q	UALITY	MANA	GER:	Mike Malk	Mike Malko		
Senior UXO Suj	pervisor:	Chris Rose	SITE HEALTH & SAFETY OFFICER:		Jonathan W	aldron aldron						
AM WEATHER:	overcast, cold	PM Over WEATHER:			east, cool		MAX (F):	ТЕМР	52	MIN TEMP (F):	39	
			SUMMAI	RY OF	WORK PER	FORME	ED TOD	AY				
VARGO began	ace sweep of DSA in surveying in DSA rive on site 12/3/13	A 5	ed and the U	UXO sı	urface sweep	p of Are	a 12 wa	is started.				
			HE	ALTH	AND SAFE	ΓΥ REP	ORT					
	OPICS: Cold weather			l falls, v	working in w	et areas	and exp	osure, hou	sekeeping			
			OPER/	ATION	S / PRODUC	CTION R	REPORT	Γ				
WORK FORCE	E – CONTRACTOR	R AND SUBCON	TRACTOR	ł								
Company					Cumulative Total of Work Hours From Previous Report			Total	al Hours Today on site			
CH2M HILL					See	See attached			30			
See Attached for	r Subcontractor opera	tions and product	tion report									
EQUIPMENT	ON HAND											
Do	escription of Equipme	ent	Make/M	odel/Ma	anufacturer	Equ	uipment	ID Numbe	r	Inspection Perfor	med By	
Job Trailer (Mod	dspace rental)		ModSp	ace 10'x	κ44'		29115	59		CH2M HII	L	
Generator (Sunb	pelt Rental)		Ingersol	ll Rand	G70		341125	PC-545		CH2M HIL	L	
2-Way Radios (	(7)		Mo	torola P	R 400					CH2M HIL	L	
Metal detector				Schonst	ted					CH2M HIL	L	
GPS Equipment	·		Trimb	el Geo 2	XH 6000					CH2M HIL	L	
Bob Cat UTV (S	Sunbelt Rental)		В	ob Cat 3	3400		314	155		CH2M HIL	L	
Double axel trai	ler for UTV (Sunbelt	Rental)	Sunbel	t rentals	s/Dumper		186	970		CH2M HIL	L	
						CH2M HII	Ţ					

 $\label{lem:comments} \textbf{COMMENTS} \ (\textbf{acceptance status, inspection findings, etc.}): \ \textbf{None}$ 

WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
		Daily Tailgate, PTSP, field and equipment inspection	s. Continue with surfa	ice clearance	e. VARGO to continue	surveying	
Planned Work / Test fo	or Tomorrow	v: Surface sweeps, Island vegetation reduction and cle	earance, NAEVA to ar	rive onsite a	and set up IVS and begi	n DGM.	
Planned Work / Test fo	or Next Wee	k: DGM					
CHANGED CONDIT project attributable to a None encountered for	site and weat	AY/CONFLICTS ENCOUNTERED (List any continue conditions, etc.):	flicts with the project	[i.e., scope (	of work and/or drawing	s], delays to the	
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, di	iscussions a	nd meeting		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO	JOB SITE					
Quantity/Volume/ Weight		Description of Materials Received	als Received Make/Model/Manufacturer		Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp		Inspection Performed			Findings		
Schonsted inspec		Daily/Serviceability			Pass		
GPS Equipme		Daily/Serviceability			Pass		
Generator		Daily/ Serviceability			Pass		
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki	t	Monthly	Pass		Pass		
Bob Cat / ARC	GO	Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	'D						
		Test Performed		,	Test Results (Pass/Fail)	- Criteria	
Task/Activity Tested Test Performed Test Results (Pass/Fail) - Criteria  GPS equipment Function and accuracy test  Pass							
	GPS equipment Function and accuracy test Pass  Schonsted QC check Pass						
Schonsted  Site communication/ R	adio	Radio Check			Pass		

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

QUALITY ISS	UES AND RI	ESOLUTIONS: no	ne								
	CLIDATEDE AL C. INCODE CONTANTANTA										
Submittal No.	Submittal No. Submittal Specification/Plan Reference Submittal Approved? Comment/Reason/Action									on/Action	
Submittal 110.	Descript		Specification	r iun reference		Buoi	111111111111	pprove	u.	Commony reaso	on retion
NA						Yes		No			
						Yes		No			
						Yes		No			
	1					Yes		No			
		l									
			REGU	ULATORY CO	MPLIANC	E REPO	ORT				
PERMIT INSP	ECTIONS P	ERFORMED: NA									
		W	ASTE ACCUN	MULATION/ST	OCKPILE	AREA	INSPE	CTIO	N		
Inspection Performance	rmed By:	NA			Signature of	of Inspec	ctor:	NA			
Accumulation / Stockpile Area I	nspected:	NA									
No of Containers:	IA	No of Tanks	NA		No of Roll-	-Off Bo	xes:	NA		No. of Drums	NA
Inspection Resul	ts: 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.											
portions or desig and last name on	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 illied out elec	be filled out electronically and signed electronically.  PREPARER'S SIGNATURE  DATE										

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APPENDIX F - DAILY REPORTS												
CH2M HILI W912DY-09-D-00		СО		RACTOR PRODU			ORT		REVISI		DRT: 12/2/2	2013
CTO NO: 003		PROJECT NAME	E/LOC	ATION: Former Raritan Arse	enal -	- RI/FS				T NO: 02		
PROJECT NO: 42												
AM WEATHER: Clou		d	-	WEATHER: Cloudy / cool			MAX TEN				EMP: 39 °F	
		-		SUMMARY OF WORK	C PE	REORMED TO						
The UXO surface swee	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											
Surveying was stanted		A Job Safety Meetin		-	, 11,	Yes	□ No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)				
		there any lost-time s, attach copy of comp				☐ Yes	⊠ No	СН2М	HILL On-Si	te Hours	3	30
JOB		a Confined Space E s, attach copy of each		ermit Administered This Date	?	☐ Yes	⊠ No	Subcon	ntractor On-S	lite Hour	'S	70
AF				g/ Scaffold/ HV Electric/Hig	;h	_	_	Total (	On-Site Hou	rs This l	Date	100
		/ HAZMAT Work I s, attach statement or c		showing inspection performed)		☐ Yes	⊠ No	Cumulo From F	ative Total o Previous Rep	f Work H ort	lours	4057
				Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No	Total W Constru	Vork Hours luction	From Sta	rt of	4157
				INSPECTIONS CONDUCT Daily safety briefing; equipmen			violations,	correctiv	e instruction	ns given,	corrective	actions
		•		E INCORPORATED IN JOB	г							
		JIPMENT/MATERIA		MAKE/ MODEL/		EQUIPMEN	IT/ LOT	INS	SPECTION	N	NUMBER/ V	
	RECEI	VED		MANUFACTURER		NUMBER		PERFORMED BY			WEIGHT	
EQUIPMENT USED	ON JO	B SITE TODAY.		1				ı				
EQUIPMEN	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	S	AFETY CHECK	PERFORME	D BY	USED		OF HOURS	REPAIR
	GPS			Trimble Geo XH		Chris	Rose		10		0	
Utili	ty Vehic	ele		Argo		Mike N	Malko		0		8	
1	Γrailer			Leonard Mil		Mike I	Mike Malko		0		8	
	GPS			Trimble Geo XH Mike M		ke Malko		0		10		
Pick	-up Tru	ck		Dodge Ram 1500 Jona		Jonathan Waldron		10		0		
	-up truc	ck		Chevrolet Silverado		Mike Malko		10		0		
	SUV			Ford Edge		Chris Rose Jonathan Waldron		10		0		
	ce Trail			ModSpace		Jonathan			10		0	
	enerator			Ingersol Rand		Chris			10		0	
	able toil			Satellite Industries Satellite Industries		Chris			10		0	
Port	able toil	et		Sateme moustres							0	
CHANGED CONDIT				OUNTERED ( <i>List any conflic</i> c.):	cts wi	ith the delivery	order [i.e.,	scope of	work and/oi	· drawing	gs], delays	to the
VISITORS TO THE												
LIST OF ATTACHMI	LIST OF ATTACHMENTS (OSHA report, confined space entry permit, incident reports, etc.):											

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO	RE	ATE OF REPORT: 12/2/20 EVISION NO: EVISION DATE:	)13		
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	Arsenal – RI/FS	RE	REPORT NO: 028		
EMPLOYEE	WORK PERFORMED	ERFORMED TODAY  EMPLOYER	EMPLOYEE NUMBER	TITLE/TR ADE	HRS	
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10	
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10	
Jonathan Waldron	Subcontractor oversight	CH2M HILL		SSHO	10	
		!				
		!	l <u></u>			
				-		
					+	
					-	
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		<del></del>			-	
			<del>                                     </del>		-	
		<del></del>				
		<del></del>			_	
					+	
	INCLUDE ALL PERSONNEL WORK H	OURS IN THE TOTAL WORK HOURS	ON JOB SITE			
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Ross	<u> </u>	12/2/13		
	_	SUPERINTENDENT'S SIGN.	ATURE	DATE	—	

Project. RI/FS Former Raritan Arsen	al	Date: 12/02/2	013
LOCATION OF WORK: DSA-5, DSA-3			
DESCRIPTION OF WORK: Transect la	ayout and marking,, Surfa	ce Clearance	
WEATHER: ☐(CLEAR) ☐(FO	G) ⊠(P.CLOUDY)	□(RAIN)	$\square$ (WINDY)
TEMPERATURE: MIN: 3	<u>9</u> °F	MAX: <u>52</u> °F.	
·	_	<del></del>	
1. Work completed today by subcontractor	or:		
CH2M Hill's subcontractor USAE began th	un surface clearance of A	roa 12	
CH2M Hill's subcontractor USAE complete			
O. Wash associated to device O. Samueli			
<ol><li>Work completed today by QC inspection Monitored work practice and procedures of</li></ol>		team and trans	ect survey
team.		todin dna trano	
QC Inspection of DSA 3 Surface Clearance	е		
Blind seeding of DSA-5 (terrestrial DGM),			
Blind seeding of DSA-3 (surface clearance	e),		
3. All work performed in conformance with	Work Plan requirements	? Yes	
If not, explain:	•		
4. Non-conformances/deficiencies reporte	d:		
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	
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	RMED TEST
UXOQC Monitored work practice and procedur Work Plan APP and SOP	res of the Surface Clearance Team to insure compliance with
All Shonstedts were tested for a response on a	an ISO seed item prior to use.
	nsects TDSA3-1 thru TDSA3-13 by the UXOQC. No
All surface blind seeds place in the area were	recovered, accounted for, and returned to the UXOQC.
m. L. lamik	12-02-2013

F-340

Date

Project QC Specialist



#### CH2MHILL

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

ate:02 DEC 13	2 rraw Location: Ep	
upervisor: CHR13	ROSE Job	
ctivity: MUNITIONS	ROSE Job RESPONSE INV	ESTIGATION
ttendees: Print Na	ame	Sign Name
ttenuees.	anie	Signivaline
Jom Enhart		James
Brown Kenneth		0/200
John Capano		Mil
Jason McCois		
Caris Dese		(11)
RICK ROBALI	NF6Z_	
	able AHAs have been reviewed:	aus
	CLEARANCE	
TRANSECT S		
	7/1	
11. 1 1	the land	auballa
	11-	T NOVIE I NOVE WE I
,	Tasks (ladders, scaffolds, fall protect	cion, cranes/rigging, heavy equipmen
ower tools): Potential H&S Hazards, including		cion, cranes/rigging, heavy equipmen
Potential H&S Hazards, includin	ng chemical, physical, safety, biologic	cal and environmental (check all that
ower tools):  Potential H&S Hazards, including pply):  _ Chemical burns/contact	ng chemical, physical, safety, biologicTrench, excavations, cave-ins	cal and environmental (check all that
ower tools):  otential H&S Hazards, includin pply):  _Chemical burns/contact _Pressurized lines/equipment	g chemical, physical, safety, biologic Trench, excavations, cave-insOverexertion	cal and environmental (check all that Ergonomics Chemical splash
ower tools):  otential H&S Hazards, includin pply):  _Chemical burns/contact  _Pressurized lines/equipment _Thermal burns	g chemical, physical, safety, biologic  Trench, excavations, cave-ins Overexertion Pinch points	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
ower tools):  otential H&S Hazards, includin pply):  _Chemical burns/contact  _Pressurized lines/equipment  _Thermal burns _ Electrical	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasions	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  XEye hazards/flying projectile
ower tools):  otential H&S Hazards, includin pply):  _ Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical  Weather conditions	g chemical, physical, safety, biologic  Trench, excavations, cave-ins Overexertion Pinch points	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
Potential H&S Hazards, including apply):  _Chemical burns/contact  _Pressurized lines/equipment  _Thermal burns  _Electrical  _Weather conditions  _ Heights/fall > 6 feet	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insectsXEye hazards/flying projectileXInhalation hazard Heat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loads	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  XEye hazards/flying projectile Inhalation hazard Heat/cold stress  X Water/drowning hazard
Potential H&S Hazards, including pply):  _ Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical  _ Weather conditions  _ Heights/fall > 6 feet  _ Noise  _ Explosion/fire	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and falls	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insectsXEye hazards/flying projectileXInhalation hazard Heat/cold stressXWater/drowning hazard' Heavy equipment
over tools):  otential H&S Hazards, includin pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and fallsXManual lifting	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  XEye hazards/flying projectile X Inhalation hazard Heat/cold stress X Water/drowning hazard' Heavy equipment Aerial lifts/platforms
ower tools):  otential H&S Hazards, includin pply):  _Chemical burns/contact  _Pressurized lines/equipment  _Thermal burns  _Electrical  Weather conditions  _ Heights/fall > 6 feet  _ Noise  Explosion/fire  _ Radiation  _ Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and fallsWelding/cutting	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  XEye hazards/flying projectile  Inhalation hazard Heat/cold stress  X Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  Other Potential Hazards (Descri	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security ibe):	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects  XEye hazards/flying projectile XInhalation hazardHeat/cold stress XWater/drowning hazard'Heavy equipmentAerial lifts/platformsDemolitionPoor communications
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectricalXWeather conditionsHeights/fall > 6 feetNoiseKexplosion/fireRadiationConfined space entryUnderground Utilities Other Potential Hazards (Descri	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  XEye hazards/flying projectile  Inhalation hazard Heat/cold stress  X Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition

MIKE PANICHELL. VAREU CONTRACT: W912DY-09-D-0060/TO: 003 MAY 2021

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

Name (Print): MA MALKO
Signature: MAMM

Date: 12 - 2 - 13

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>	% SWEEP
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 1 McCoig		128	10
TEC II Capano, John		120	10
TEC II Brown, Kenneth		128	10

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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 NA	ME:	Former Raritan Arsenal		REPORT NO:		029			
CONTRACT NU	JMBER:	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 NUM	PROJECT NUMBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor:		Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron		
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

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 fo	or Next Wee	k: 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 DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting						
		QUALITY CONTRO	L REPORT								
MATERIALS DELI	VERED TO	JOB SITE									
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By					
		See Attached									
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass									
INSPECTIONS PER	FORMED										
Task/Activity Insp	pected	Inspection Performed		Findings							
Schonsted inspec	ction	Daily/Serviceability		Pass							
GPS Equipme	ent	Daily/Serviceability			Pass						
Generator		Daily/ Serviceability			Pass						
Fire Extinguish	ners	Monthly			Pass						
First Aid Ki	t	Monthly			Pass						
Bob Cat / ARC	GO	Daily/Weekly			Pass						
Field Vehicle	es	Daily/Weekly			Pass						
TESTS PERFORME		Took Df J			Toot Doorlto (D/E-'1)	Critorio					
Task/Activity Te		Test Performed			Test Results (Pass/Fail) Pass	- Списна					
GPS equipme	m	Function and accuracy test  QC check			Pass						
Schonsted		Radio Check									
Site communication/ R	Ladio	кашо Спеск			Pass						

QUALITY I	SSUES AND RI	ESOLUTIONS: n	one									
			SUB	BMITTALS INS	PECTION /	REVIE	EW					
Submittal N	o. Submit Descrip		Specification	Plan Reference		Subr	nittal A <sub>l</sub>	prove	d?		Comment/Reaso	on/Action
NA						Yes		No				
						Yes		No				
						Yes		No				
						Yes		No				
	•	,										
	REGULATORY COMPLIANCE REPORT											
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		V	VASTE ACCU	MULATION/ST	<b>FOCKPILE</b>	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of	of Inspec	ctor:	NA				
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-	-Off Box	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA	•										•
				GENERAL	COMMEN	TS						
General Com	ments~ (rework,	directives, etc.): C	ontinuing with o	daily operations a	and await ans	swer on	DSA 4 a	and DS	A 6.			
					HMENTS							
List of Attach RFIs, DCNs,	ments: (examp photographs, etc	les, as applicable: s :.): Daily Production	submittals, meet n Report, Daily	ing minutes, safe UXO Safety Brid	ety meeting i ef, Daily PTS	minutes, SP, and	COCs, Daily Q	weight C Repo	ticket ort. Su	ts, mai bcontr	nifests, profiles, rev ractor daily reports.	vork item list,
portions or de and last name	esignate as "not a on each comple	oly in ink. Line out applicable". Prepar ted daily report. T	er signs first his form may		Jonathan	Waldro	n				1	2/03/13
be filled out e	electronically and	l signed electronica	ıııy.		DDEDADI	D'S SIGN	ATIDE					DATE

			APPENDIX F - D	AILY	REPORTS					
CH2M HILL W912DY-09-D-0060	CON	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)							F REPORT: 12/3/2 ON NO: ON DATE:	013
CTO NO: 003	PROJECT NAME/	/LOC	ATION: Former Raritan Arso		REPORT NO: 029					
PROJECT NO: 42794	6	SUZ	XOS: Chris Rose			UXOSO:	Mike Mal	lko UXOQCS: Mike Malko		
AM WEATHER: Cloudy /	cold	PM	WEATHER: Cloudy / cool			MAX TEN	1P: 54°F		MIN TEMP: 37°F	
SUMMARY OF WORK PERFORMED TODAY										
The UXO surface sweep of	Area 12 continued. The fo	llowin	g transects were completed: 4, 6	, 7, 8,	9, 15, 16, 17, 18,	19, 20, 21, 2	2, 11 C-D, 1	12 C-D, 13 E-	F, 14 C-D and a portion	on of 5.
The UXO surface sweep of	DSA 4 was started. The fo	ollowin	g transects were completed: 13,	14, 15	. and 16.					
Vegetation reduction of DS	Δ A was started completing	a tranc	ects 13, 14, 15, 16 and part of 17	,						
The DGM IVS was comple		guans	cets 13, 14, 13, 10 and part of 17	•						
The DGM of DSA 2 was st	arted, The following transe	ects we	ere completed: 1, 2 and 3.							
Wa	as A Job Safety Meeting	g Helo	1 This Date?		⊠ Yes	□ No			OURS ON JOB Sing Continuation S	
We (if	ere there any lost-time a Yes, attach copy of comple				☐ Yes	⊠ No	СН2М Н	HILL On-Sit	e Hours	49
	as a Confined Space En Yes, attach copy of each pe		rmit Administered This Date	?	☐ Yes	⊠ No	Subconti	ractor On-Si	ite Hours	115
We We			g/ Scaffold/ HV Electric/Hig	gh	_		Total O	On-Site Hours This Date 151		
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)				Yes				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)					☐ Yes	⊠ No	Total Wo		rom Start of	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/MATERIA	L RECEIVED TODAY	TO BI	E INCORPORATED IN JOB							
	QUIPMENT/MATERIAL EIVED	1	MAKE/ MODEL/ MANUFACTURER				PECTION DRMED BY	NUMBER/ V WEIGI		
EQUIPMENT USED ON	JOB SITE TODAY.						1			
EQUIPMENT DE	ESCRIPTION	EQ	UIPMENT MAKE/MODEL	SA	AFETY CHECK F	PERFORME	D BY		UMBER OF HOURS	
CDC			Trimble Coo VII		Charic 1	Daga		USED 13	IDLE	REPAIR
GPS Utility Ve			Trimble Geo XH		Chris I Mike M			0	10	
Traile			Argo Leonard		Mike M			0	10	
GPS			Trimble Geo XH		Mike M			0	10	
Pick-up T			Dodge Ram 2500		Jonathan V			13	0	
-			Dodge Ram 1500		Mike M			13	0	
Pick-up truck SUV			Ford Edge		Chris l	Rose		13	0	
			ModSpace		Jonathan V	Waldron		13	0	
Generator			Ingersol Rand		Jonathan V	Waldron		13	0	
Portable t	oilet		Satellite Industries		Chris l	Rose		13	0	
Portable toilet			Satellite Industries		Chris l	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.

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

CTO NO: 003	(ATTACH ADDITIONAL SHEETS	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)							
	PROJECT NAME/LOCATION: Former Raritan Arsenal	I	REPORT NO: 029						
	WORK PERFOR	RMED TODAY							
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	E TITLE/TRADE	HRS				
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	13				
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	13				
Jonathaan Waldron	Subcontractor oversight	CH2M HILL		SSHO	13				
Andy Gascho	Subcontractor oversight	CH2M HILL		Geophysicist	10				
					<del> </del>				
	INCLUDE ALL PERSONNEL WORK HOURS L	N THE TOTAL WORK HOURS	ON JOB SITE						
SAFETY REQUIR	REMENTS HAVE BEEN MET	Chris Ros	ــــــــــــــــــــــــــــــــــــــ	12/3/13					

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

Project. RI/FS Former Raritan Arsenal	Date: <u>12/03/2013</u>
LOCATION OF WORK: DSA-4, DSA-2 Area 12	
DESCRIPTION OF WORK: Transect layout and marking,, Su	ırface Clearance
WEATHER: $\square$ (CLEAR) $\square$ (FOG) $\square$ (P.CLOUDY)	$\square$ (RAIN) $\square$ (WINDY)
TEMPERATURE: MIN: 39 °F	MAX: <u>57</u> °F.
Work completed today by subcontractor:	
CH2M Hill's subcontractor USAE began the continued surface cl	earance of Area 12.
CH2M Hill's subcontractor USAE attempted vegetation removal	on DSA 4.
CH2M Hill's subcontractor NAEVA established an Instrument Ve began collection data on transects DSA2-1, 2 and 3	rification Strip in DSA 2 and
2. Work completed today by QC inspection staff : Monitored work practice and procedures of UXO surface clearan team.	ce team and transect survey
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 requirement	nts? Yes
If not, explain:	
4. New year forms are a state of the state o	
4. Non-conformances/deficiencies reported:	
None	
5. Comments:	
Vegetation removal and surface clearance of DSA-4 was attemp At high tide the ground surface was submerged under three feet and the Marsh Master became stuck in mud at low tide. Walking impossible feat and safety hazard due to the mud and semi liquid	of water. Both the safety boat on the island is a near

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

Michala Milko



### **CH2MHILL**

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

Project: Former Ront Date: 12/3/13	n Arsera Location: 6315	son NJ
Supervisor: CRUSE	loh	
Activity: (XV Investgation	Job	
activity. Colo minos 1-70 (1-1		
	4.000	
Attendees: Print N	lame	Sign Name
See attalo		
so affactes	^	
8		
List Tasks and varify that applie	cable AHAs have been reviewed:	
Λ		-1 1 1 1 1
Morshmotes, DG	M Setyp, Surface (	Jeronce, brush cutting
		·
		•
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipment,
power tools):	1	
Morshmarter (5)	PS , hard took , Power.	tale DGM Comment
1		Copy of
Potential H&S Hazards, includi	ng chemical, physical, safety, biologi	ical and environmental (check all that
apply):	ng one mean, projectar, surecy, sholegi	real and environmental (eneck all that
Chemical burns/contact	Trench, excavations, cave-ins	Ergonomics
X Pressurized lines/equipment	✓ Overexertion	Chemical splash
L Thermal burns	✓ Pinch points	Poisonous plants/insects
Electrical	∠ Cuts/abrasions	✓ Eye hazards/flying projectile
Weather conditions	Spills	✓ Inhalation hazard
Heights/fall > 6 feet	Overhead Electrical hazards	→ Heat/cold stress
/ Noise	Elevated loads	Transfer of the Control of the Contr
*		∠ Water/drowning hazard
∠ Explosion/fire	✓ Slips, trip and falls	
Radiation	✓ Manual lifting	Aerial lifts/platforms
Confined space entry	Welding/cutting	Demolition
Underground Utilities	Security	> Poor communications
Other Potential Hazards (Descr	ibe):	
UXO / MEC		
/		

lazard Control Measure	es (Check All That Apply):		
PE	Protective Systems	Fire Protection	Electrical
_ Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	✓ Fire watch	<u>⊀</u> Grounded
<u>≮</u> Dermal/hand	Trench box	Non-spark tools	× Panels covered
<b>∦</b> Hearing	Barricades	Grounding/bonding	★ GFCI/extension cords
Respiratory	∠ Competent person	Intrinsically safe equipment	≠ Power tools/cord inspected
	Locate buried utilities		Overhead line clearance
ZFlotation device	★ Daily inspections		Underground utils ID'd
— Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	✓ Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	⊀ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
— AN GILIILIR SASTELLI	Other	Operator qualified	
		_ sperator quantum	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	⊀First-aid kit	Work/rest regime	Traffic control
Air monitoring	<u>⊀</u> Eye wash	Rest area	Barricades
Trained personnel	✓ FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed	⊀ Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person		Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	<u></u> <u></u> ★FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	
The december of the first and	Incident Communications	AHA's	
Underground Utilities	Average and the second		
Dig alert called	<u>X</u> Work stops until cleared by TM/CM	✓ reviewed and approved by HSM  ✓ on site and current	
3 <sup>rd</sup> Party locater	Immediate calls to TM/CM		
As-builts reviewed	Client notification	∠applicable for this day's work	indust- 40
Interview site staff	×24 hour notification setup	∠Communication and incident pro	ocesses included?
Client review			
	★Clear communications		
soft locate necessary?			
soft locate necessary?			
soft locate necessary?	observations from prior day, o	etc.):	
soft locate necessary?		etc.):	
soft locate necessary?		etc.):	

Name (Print): In Jaly 100
Signature:

Date: 12/3/13

Former Raritan Arsenal	Health	and	Safety	Daily	Sign-in	Sheet
Former Raritan Arsenal	Today's	s Dat	te: 12	13/	13	

Nomerinted)	Signature	Company
Josep Milois		USAE
John Capeno	1m	USAE
Jam Espart	Jan 1	USAE
Boun Remeth	120m	USAE
Jessie Powers	Juni 2 Powers	NAEVA
Dan Honnessy	On Y	NAEVA
KURT EHRHART	Lift Will	IMM, INC.
Tyles Casson	Jedi Maria	I IMM IN
MAMALKO	Worldelle	FMM INC CHIZMHILL
his Rose	Chris R	CHEM HILL
ZILL ROGALINER	The state of the s	MILLERS
GARY, BALKTII	Say Belette	MILLERS
Jow hin Walden	100	- TCKZMH
		<u> </u>
	/	*

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>	% SWEEP
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 1 McCoig		138	10
TEC II Capano, John		130	10
TEC II Brown, Kenneth		138	10

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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 Wednesday 04 Dec 2013. Surface sweeps to resume in Area 12 and cutting and surface sweeps in DSA 5.

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.

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.

CH2MHILL

## CH2M HILL DAILY REPORT

CONTRACT NA	ME:	Former Raritan Arsenal			REPORT NO:		030			
CONTRACT NU	MBER:	W912DY-09-D-0060			REPORT DATE	B:	12/04/13			
REVISION NUM	MBER:	1 REVISION DATE:			ГЕ:	10/30/13				
TASK ORDER N	NUMBER:	003			PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUM	BER:	427946			PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron			
AM WEATHER:	Overcast, cold		PM WEATHER:	Overcast,	t, 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
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									
		Daily Tailgate, PTSP, field and equipment inspection 2 and starts DGM in Area 3.	ns. Continue with surf	ace clearanc	e and vegetation reducti	on of DSA 5 and			
Planned Work / Test for NAEVA to continue		v: Discuss path forward with USA Environmental for	DSA 4 and DSA 6 re	garding brus	sh cutting and surface cl	earance.			
Planned Work / Test f	or Next Wee	k: DGM							
project attributable to  Meeting scheduled  NAEVA had equip	site and weat for 12-5-1 ment failu arrive on 1	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.):  3 regarding path forward on island areas. re with DGM unit and data needs to be QC'(2-5-13 with replacement parts. NAEVA with	d to ensure data w	as not com	npromised. Towed a	rray is down			
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	and meeting				
		QUALITY CONTRO	L REPORT						
MATERIALS DELI	VERED TO	JOB SITE							
Quantity/Volume/ Weight		Description of Materials Received	Description of Materials Received Make/Model/Manufacturer						
		See Attached							
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass	1			1			
INSPECTIONS PER	FORMED								
Task/Activity Ins	pected	Inspection Performed			Findings				
Schonsted inspe	ction	Daily/Serviceability		Pass					
GPS Equipme	ent	Daily/Serviceability			Pass				
Generator		Daily/ Serviceability			Pass				
Fire Extinguish	ners	Monthly			Pass				
First Aid Ki	t	Monthly			Pass				
Bob Cat / ARG	GO	Daily/Weekly		Pass					
Field Vehicle	es	Daily/Weekly			Pass				
TESTS PERFORME									
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				

PAGE 2 OF 3 F-357

QUALITY IS	SSUES AND 1	RESOL	UTIONS: no	ne									
				SUBN	MITTALS INS	PECTION /	REVIE	<b>W</b>					
Submittal No	o. Subn Descri		Specification/Plan Reference Submittal Approved? Comment/Reason/Action									n/Action	
NA							Yes		No				
							Yes		No				
							Yes		No				
							Yes		No				
										I.			
				REGU	LATORY CO	MPLIANCI	E REPO	RT					
PERMIT IN	SPECTIONS	PERFO	ORMED: NA										
			W	ASTE ACCUM	IULATION/ST	OCKPILE	AREA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA				Signature of	of Inspec	tor:	NA				
Accumulation Stockpile Are		NA											
No of Containers:	NA	No	of Tanks	NA		No of Roll-	Off Box	kes:	NA			No. of Drums	NA
Inspection Re	sults: NA				•								
					GENERAL	COMMEN	ΓS						
General Comments~ (rework, directives, etc.): Continuing with daily operations and await answer on DSA 4 and DSA 6.													
ATTACHMENTS													
												ifests, profiles, rew actor daily reports.	ork item list,
portions or de and last name	e all entries leg signate as "no on each comp	applica leted da	ble". Prepare ily report. Th	r signs first is form may		Jonathan	Waldro	n				1	2/04/13
be filled out e	e filled out electronically and signed electronically.  PREPARER'S SIGNATURE  DATE											DATE	

PAGE 3 OF 3 F-358

CH2M HILL W912DY-09-D-0060		CO	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)						REVISIO	DATE OF REPORT: 12/4/2013 REVISION NO:		
CTTO NO. 002			·						REVISION DATE:			
			/LOCATION: Former Raritan Arsenal – RI/FS						REPORT NO: 030			
PROJECT NO: 427946			SUXOS: Chris Rose				Mike Ma	lko				
AM WEATHER: Cloudy / cold			PM WEATHER: Cloudy / cool			MAX TEMP: 50°F				MIN TEMP: 39°F		
The UXO surface swee	p of Ar	ea 12 was completed.		SUMMARY OF WORK I	PEF	RFORMED TO	ODAY					
Vegetation reduction of	f DSA 5	5 continued on transect	s T30-I	OSA5-7.								
The DGM of DSA 2 wa	as comp	pleted.										
The DGM of DSA 3 wa and a portion of the tran				ere completed: 1, 3, 4, 5, 6, 7, 8, 9, 1	10, 1	11, 12 and 13. An	electrical pr	T				
		A Job Safety Meetin				□ No	TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)					
	(If Yes	there any lost-time s, attach copy of compl	eted O	OSHA report)		☐ Yes	⊠ No	CH2M HILL On-Site Hours			38	
JOB		a Confined Space Entry Permit Administered This Date? es, attach copy of each permit)				Yes	⊠ No	Subcontractor On-Site Hours			70 108	
J	Work	/ HAZMAT Work I	Oone?			☐ Yes	⊠ No			ve Total of Work Hours		
		Yes, attach statement or checklist showing inspection performed)						From Previous Report 4311 Total Work Hours From Start of			4311	
	(If Yes	as Hazardous Material/Waste Released into the Environment? Yes, attach description of incident and proposed action)				☐ Yes	⊠ No	Constru	4419			
				INSPECTIONS CONDUCTE Daily safety briefing; equipment in			violations,	corrective	e instruction	s given, correctiv	e actions	
-				E INCORPORATED IN JOB					What En / Works and			
DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED			,	MAKE/ MODEL/ MANUFACTURER		EQUIPMENT/ LOT NUMBER		INSPECTION PERFORMED BY			NUMBER/ VOLUME/ WEIGHT	
EQUIPMENT USED	ON JO	B SITE TODAY.										
EQUIPMENT	Γ DESC	CRIPTION	EQUIPMENT MAKE/MODEL S		SA	SAFETY CHECK PERFORMED		D BY	USED	IUMBER OF HOUF IDLE	REPAIR	
1	GPS			Trimble Geo XH		Chris Rose			10	0		
Utilit	y Vehic	ele	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 Miles N		10	0			
	-up truc	·k	Dodge Ram 1500			Mike Malko Chris Rose			10	0		
SUV			Ford Edge ModSpace			Jonathan Waldron			10	0		
Office Trailer			Ingersol Rand			Jonathan Waldron			10	0		
Generator  Portable toilet			Satellite Industries			Chris Rose			10	0		
Portable toilet			Satellite Industries			Chris Rose			10	0		
CHANGED CONDIT project attributable to				OUNTERED (List any conflicts	s wii	th the delivery	order [i.e.,	scope of v	vork and/or	drawings], delays	s to the	
VISITORS TO THE S	SITE: S	Sandra Piettro: USACE	-New `	York								
				ace entry permit, incident repo								

PAGE 1 OF 2 F-359

CH2M HILL W912DY-09-D-0060	CONTRACTOR PROD (ATTACH ADDITIONAL SHE	DATE OF REPORT: 12/4/2013 REVISION NO: REVISION DATE:										
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Ar	REPO	REPORT NO: 030									
WORK PERFORMED TODAY												
EMPLOYEE	WORK PERFORMED		EMPLOYEE NUMBER		TITLE/TRADE	HRS						
Chris Rose	Subcontractor oversight		CH2M HILL			SUXOS	10					
Mike Malko	Subcontractor oversight		CH2M HILL			UXOQCS	10					
Jonathaan Waldron	Subcontractor oversight		CH2M HILL			SSHO	10					
Andy Gascho	Subcontractor oversight		CH2M HILL			Geophysicist	8					
		+			_							
					_							
					$\perp$							
					$\perp$							
				ļ								
				ļ								
	INCLUDE ALL PERSONNEL WORK HOL	URS IN THE TOTA	AL WORK HOURS	ON JOB SIT	E							
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Rose				12/4/13						
		SUPERIN	TENDENT'S SIGN		DATE							

PAGE 2 OF 2 F-360

Project.	RI/FS Form	er Rarita	n Arsenal		Date:	12/04/2	013
LOCATION (	OF WORK:	DSA-5,	DSA-2 Area	12			
DESCRIPTION	ON OF WOR	K: Tei	restrial DGM	Surveys, Surface C	Clearan	ce,	
WEATHER:	⊠(CLE	EAR)	☐(FOG)	$\square$ (P.CLOUDY)	□(R <i>A</i>	AIN)	$\square$ (WINDY)
TEMPERATI	JRE:		MIN: <u>44</u> °F		MAX:	<u>57</u> °F.	
1. Work con	npleted today	by subc	ontractor:				
CH2M Hill's	subcontracto	r USAE c	completed sui	face clearance of A	rea 12.		
CH2M Hill's	subcontracto	r USAE c	ontinued veg	etation removal on	DSA 5.		
CH2M Hill's s		r in comp	leted DGM s	urvey of DSA 2 and	compe	ted 85%	of DSA 3
2. Work con Monitored wo team.				ff : ) surface clearance	team a	nd trans	ect survey
Blind seeding	g of DSA-12	(surface	clearance),				
Monitored wo	ork practice a	and proce	dures of DGI	M subcontractor.			_
3. All work per lf not, explain		onformar	nce with Work	Requirements	? Yes	3	
4. Non-confo	rmances/def	iciencies	reported:				
None							
5. Comments	3:						
Equipment f	ailure of the l	Marsh Ma	aster prevent	ed mechanical vege	tation r	emoval i	n 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

F-361

CH2MHILL Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet Project: Former Rorita Arsenal Location: Edison NJ Supervisor: C. Rose Activity: Brush why Dam + Lane/Surface Claurace Attendees: Print Name Sign Name List Tasks and verify that applicable AHAs have been reviewed: DGM of Areas, contine Brok cutting not lone Cherroce Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools): GM + GPS Equent, Argo UTV, Morsh Master, had + Power-took Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that Chemical burns/contact Trench, excavations, cave-ins Ergonomics Pressurized lines/equipment Overexertion Chemical splash Pinch points ★ Thermal burns Poisonous plants/insects X Cuts/abrasions \_\_ Electrical ★ Eye hazards/flying projectile ≥ Inhalation hazard → ↓ Heights/fall > 6 feet Overhead Electrical hazards Heat/cold stress Elevated loads Noise ¥ Slips, trip and falls Heavy equipment Explosion/fire ▲ Manual lifting \_Aerial lifts/platforms Radiation Welding/cutting Demolition Confined space entry Security ✗ Poor communications **Underground Utilities** Other Potential Hazards (Describe): LKD-MEC

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

Name (Print):	June	th	8	1	Nakhra
Signature:	1/2	1	4		

Date: /2/4/13

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: $\frac{12}{4}/3$						
Mone vintad)						
	Signature	Company				
Brown, Kenneth	200	UJAE				
Jason McCois		USAE				
John Capano	Men	USAE				
Dom Espert	Jan (1)	USAE				
KURT EHRHAR,	Total tillo	TMM, INC.				
ANDY SASCHS	A CREAD	CHEMHOU				
Da Horne 154	Uh & =	NAEUH				
Jessie Powers	Jamie & Carrers	NAEVA				
Chris Rose	Thus Rice	CHZM				
RICK ROGALINER	- Dung	USAE				
MAMACHC	Markelle	CHAM				
yes Carlon	Talk Gan -	Thi				
whather Walden	1/2/1 July	C 42 00				
		CAZIVI				
В						

### CH2MHILL

### F-3: SAFE BEHAVIOR OBSERVATION FORM

	Safe Behavior Observation Form							
Federal or Commercial Sector	(check one)		□Construction or □Co	☐Construction or ☐Consulting (check one)				
Project Number: 423946		Client/Pro		g (anom eno)				
Project Name: Former Roriton A	(Seral	Observer	: J. Waldra	Date: 12/4/13				
Position/Title of worker NAEVA			Background Information/ Geophysical Scomments:	curvey (DGM)				
Task/Observation Observed:	olas avi	DG	M					
<ul> <li>Identify and reinforce safe work practices/behavildentify and improve on at-risk practices/acts</li> <li>Identify and improve on practices, conditions, co</li> <li>Proactive PM support facilitates eliminating/redu</li> <li>Positive, corrective, cooperative, collaborative fe</li> </ul>	ontrols, and co	(do you hav	e what you need?)					
Actions & Behaviors	Safe	At-Risk	Observations/0	comments				
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	X		Positive Observations/Safe Work F	Practices:				
Properly trained/qualified/experienced	×		So Regendenal Speeds					
Tools/equipment available and adequate	×							
Proper use of tools	X		Questionable Activity/Unsafe Cond	lition Observed:				
Barricades/work zone control	X		No Seat bett in Ri	ar arap Seat				
Housekeeping	X.			0				
Communication	×							
Work Approach/Habits	X							
Attitude	X							
Focus/attentiveness	X		Observer's Corrective Actions/Con	nments:				
Pace	~		Scat belt not optional					
Uncomfortable/unsafe position								
Inconvenient/unsafe location			Stow page during or to prevent 185005 (occ.)	1 million and locations				
Position/Line of fire			10000 (88003 CCC)	dats				
Apparel (hair, loose clothing, jewelry)	X							
Repetitive motion	×		Observed Worker's Corrective Action	ons/Comments:				
Other			The state of the s	one, comments.				

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			

Resumed and completed surface sweep operations in Area 12, resumed mechanical and hand brush cutting operations in DSA 5.

SUMMARY OF WORK PERFORMED TODAY

#### Progress to Date:

<u>AREA</u>	<u>% CUT</u>	% SWEEP
DSA 1	100	100
DSA 2	<mark>100</mark>	<mark>100</mark>
DSA 3	<mark>100</mark>	<mark>100</mark>
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 1 McCoig		148	10
TEC II Capano, John		140	10
TEC II Brown, Kenneth		148	10

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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		

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

Operations planned to continue on Thursday 05 Dec 2013. Surface sweeps and hand cutting to be continued in DSA 5.

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.

F-367



## 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

		1							
CONTRACT NA	CONTRACT NAME: Former Raritan Arsenal		REPORT NO:	REPORT NO: 031					
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	i:	12/05/13		
REVISION NUMBER: 1		REVISION DAT	REVISION DATE: 10/30/13						
TASK ORDER N	NUMBER:	003	003 PROJECT NAME / LOCATIO		IE / LOCATION:	Former Raritan Arsenal, Edison, NJ		NJ	
PROJECT NUMBER:		427946			PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER: Mike Malko				
Senior UXO Supervisor:		Chris R	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
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 Piettro 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 AN	D 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

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

MAY 2021

COMMENTS (acceptance status, inspection findings, etc.): None							
WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
Performed Work / Tes NAEVA completes Do	t for Today: GM of Area	Daily Tailgate, PTSP, field and equipment inspection 10 and made repairs to towed array.	s. Continue with surf	ace clearanc	e and vegetation reduction	on of DSA 5 and	
Planned Work / Test for NAEVA to continue v		v: Work on plan and path forward with USA Environ	mental for DSA 4 and	DSA 6 rega	rding brush cutting and	surface clearance.	
Planned Work / Test fo	or Next Wee	k: DGM					
CHANGED CONDIT	FIONS/DEI site and weat	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): Working through issues for I	flicts with the project DSA4 and DSA 6 for	[i.e., scope access and	of work and/or drawings health and safety conce	], delays to the erns.	
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting		
		QUALITY CONTRO					
MATERIALS DELI	VERED TO	JOB SITE					
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer		Material Lot Number	Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp	pected	Inspection Performed		Findings			
Schonsted inspe	ction	Daily/Serviceability		Pass			
GPS Equipme	ent	Daily/Serviceability		Pass			
Generator		Daily/ Serviceability		Pass			
Fire Extinguish	ners	Monthly		Pass			
First Aid Ki	t	Monthly			Pass		
Bob Cat UT		Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME				1			
Task/Activity Tested Test Performed				Test Results (Pass/Fail)	- Criteria		
		Function and accuracy test			Pass		
Schonsted		QC check			Pass		
Site communication/ R	Radio	Radio Check			Pass		
				I			

QUALITY I	SSUES AND RI	ESOLUTIONS: no	one									
			CIID	BMITTALS INSI	DECTION / D	EV/II	7 <b>X</b> X/					
Submittal N	o. Submit			Plan Reference	FECTION/ R	Submittal Approved?				Comment/Reas	on/Action	
NA						Yes		No				
					,	Yes		No				
					,	Yes		No				
					,	Yes		No				
	•	•			l .			I	ı			
				ULATORY CO	MPLIANCE I	REPO	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		v	ASTE ACCU	MULATION/ST	OCKPILE A	REA	INSPE	CTIO	N			
Inspection Performed By: NA Signature of			Signature of I	e of Inspector: NA								
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-O	ff Bo	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA			_								
				GENERAL	COMMENTS							
General Com	ments~ (rework,	directives, etc.): Co	ontinuing with o	daily operations a	nd await answ	er on	DSA 4	and D	SA 6.			
				ATTAC	HMENTS							
		les, as applicable: s e.): Daily Production										
portions or de and last name	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.											
Je mied out c	and	ciccuonica	<i>j</i> •		PREPARER'	S SIGN	IATURE					DATE

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CH2M HILL W912DY-09-D-006	50	CO		RACTOR PRODU			PORT		REVISIO		/2013
GTO NO 002										ON DATE:	
CTO NO: 003		PROJECT NAME	1	ATION: Former Raritan Arse	enal –	· RI/FS	T		REPORT NO: 031		
PROJECT NO: 427			1	XOS: Chris Rose				Mike Ma	lko	UXOQCS: Mike	Malko
AM WEATHER: Cloudy	y / colo	1	PM	WEATHER: Cloudy / cool			MAX TEN	MP: 50°F		MIN TEMP: 49°F	
				SUMMARY OF WORK		RFORMED TO	ODAY				
The UXO surface sweep	of DS	A 5 continued. The fo	llowing	transects were completed: 5, 6 a	and 7.						
Vegetation reduction of I	DSA 5	continued trimming a	nd clea	ning up transects.							
The DGM of Area 10 wa	as com	pleted.									
Repair parts for the 3-me	eter EN	1-61 coil arrived and r	epairs v	were made. The EM-61 was run of	over th	e IVS and all pro	blems appea	r to be corr	ected.		
Sandra Piettro of the USA	ACE-N	NY visited Area 10 du	ing DC	M operations.							
		A Job Safety Meetin				⊠ Yes	☐ No			OURS ON JOB S	
	Were (If Yes	there any lost-time, attach copy of compl	accide eted O	nts this date? SHA report)		☐ Yes	⊠ No	CH2M	HILL On-Sit	e Hours	30
		Confined Space En		ermit Administered This Date	?	Yes	⊠ No	Subcon	tractor On-Si	te Hours	70
/ LA		Crane/ Man-lift/ Tr ' HAZMAT Work I		g/ Scaffold/ HV Electric/Hig	gh	□ v	<b>⊠</b> Nτ₋			rs This Date	100
				showing inspection performed)		☐ Yes	⊠ No		tive Total of revious Repo	Work Hours	4419
				Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No		ork Hours F		4519
				INSPECTIONS CONDUCT Daily safety briefing; equipmen			violations,	correctiv	e instruction	s given, correctiv	e actions
				E INCORPORATED IN JOB		EOLUDAEN	IT/I OT	TNIC	DECTION	NUMBER/	VOLUME/
	ECEIV	IPMENT/MATERIAI VED	,	MAKE/ MODEL/ MANUFACTURER					PECTION ORMED BY	WEIG	
EQUIPMENT USED O	)N JO	B SITE TODAY.						•		•	
EQUIPMENT I	DESC	RIPTION	EO	UIPMENT MAKE/MODEL	SA	AFETY CHECK I	PERFORME	D BY	N	UMBER OF HOUR	LS.
		-							USED 10	IDLE	REPAIR
	PS			Trimble Geo XH	Chris Ro				0	0	
	PS	,		Trimble Geo XH		Mike Monathan			10	0	
Pick-up Pick-u				Nissan Frontier  Dodge Ram 1500		Mike M			10	0	
	UV	Λ.		Ford Explorer		Chris			10	0	
Office		er		ModSpace		Jonathan			10	0	
Gene	erator			Ingersol Rand		Jonathan	Waldron		10	0	
Portab	le toile	et		Satellite Industries		Chris	Rose		10	0	
Portab	le toile	et		Satellite Industries		Chris	Rose		10	0	
								İ			
CHANGED CONDITIO				OUNTERED (List any conflict):	cts wi	th the delivery	order [i.e.,	scope of	work and/or	drawings], delays	to the
VICITORS TO THE ST	me c	andra Distress TIGA CT	N	Words							
VISITORS TO THE SI	ile: S	andra Piettro: USACE	-inew '	IUIK							
LIST OF ATTACHMEN	TS (O	SHA report, confi	ied spa	ace entry permit, incident re	ports.	etc.):					

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCTION REPORT				DATE OF REVISION		13
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan A	REPORT	NO: 031				
	WORK PE	RFORMED TO	DAY	•			
EMPLOYEE	WORK PERFORMED	EE R	TITLE/TRADE	HRS			
Chris Rose	Subcontractor oversight		CH2M HILL			SUXOS	10
Mike Malko	Subcontractor oversight		CH2M HILL			UXOQCS	10
Jonathaan Waldron	Subcontractor oversight		CH2M HILL			SSHO	10
						<u> </u>	
	INCLUDE ALL PERSONNEL WORK HO	OURS IN THE TOT	AL WORK HOURS	ON JOB SITE	E		
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	(	hii Ros	s.		12/5/13	
		SUPERI	NTENDENT'S SIGN	IATURE		DATE	

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Project.	ect. RI/FS Former Raritan Arsenal				2013
LOCATION (	OF WORK: DSA	a-5, DSA-2 Area	12		
DESCRIPTION	ON OF WORK:	Terrestrial DGM	Surveys, Surface (	Clearance,	
WEATHER: TEMPERATI	□(CLEAR) JRE:	□(FOG) MIN: <u>46</u> °F	⊠(P.CLOUDY)	□(RAIN) MAX: <u>64</u> °F.	□(WINDY)
1. Work con	npleted today by s	ubcontractor:			
CH2M Hill's	subcontractor USA	E completed sur	face clearance trar	nsects TDSA5-5	5. 6. 7.
		•	etation removal on		, , , , , ,
CH2M Hill's	subcontractor NAE	VA completed D	GM survey of Area	10.	
CH2M Hill's	subcontractor Varç	go continued tran	sect layout and ma	rking of DSA-5	
	npleted today by Cork practice and pr	•	ff : ) surface clearance	e team and tran	sect survey
		moval and surfac	e clearance of DSA	A-5 transects TI	OSA5-21 thru
Monitored wo	ork practice and pr	ocedures of surv	ey subcontractor d	uring transect la	ayout and
3. All work pe If not, explain		mance with Work	Plan requirements	s? Yes	
4 Non-confo	rmances/deficienc	ies reported:			
None					
5. Comments	S:				
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

Michala Melkon

#### 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	RMED 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.					
	O Team process and procedures during sweep operations n the proper PPE and all work was IAW the Work Plan,				
Michala Milka	12-05-2013				

Date

Project QC Specialist

# 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	
V VEC. N. NO. OFF DEMARKO	
<ul> <li>Y=YES; N=NO; SEE REMARKS BLANK=NOT APPLICABLE</li> </ul>	
	. Was
WORK COMPLIES WITH WORK PLAN AS APPROVED IN INITIAL PHASE	Yes
ALLIKOVED IN INITIAET HAGE	
IDENTIFY DEFINABLE FEATURE OF WORK,	LOCATION, AND LIST PERSONNEL PRESENT
Transact Layout and marking DSAE	
Transect Layout and marking DSA5, Michael Malko	-
Jonathan Waldron	
Chris Rose	
Phil Schaeffer	
Mike Panichelli	
INSPECTIONS PERFORMED & WHO PERFORMED	RMED TEST
QC inspection of the Transect layout and r	marking of DSA5. CH2m Hills subcontractor VARGO has
	with the exception of transects T30DSA5-6 and 7, TDSA5-1
thru 4. These transect have not been clear	red of vegetation. Transects TDSA5 24 and 25 require RTS
location due to the tree canopy and blocking	ng of satellites,
	n process and procedures during Transect layout and
	el were in the proper PPE and all work was IAW the Work
Plan, HASP, and AHA's.	
2.2 1 12 20211	
Michala Milla	12-05-2013
•	
Project QC Specialist	Date

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-377

HSSE Target ZCTO
World-Class Performance

#### CH2MHILL

MAY 2021

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet Project: Former Ror to Arsend Location: Edison, NJ Date: 12 5 13 Supervisor: CROSE DGM+ Neg Clair Surface Cleaner Print Name Sign Name Attendees: A MALKO Tessie Powers List Tasks and verify that applicable AHAs have been reviewed: DGM+ Vea + Surface Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment, power tools): GM equipment, GPS, Nord+Power tools, Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply): Chemical burns/contact Trench, excavations, cave-ins Ergonomics Overexertion Pressurized lines/equipment Chemical splash × Pinch points Thermal burns Poisonous plants/insects Cuts/abrasions Electrical Eye hazards/flying projectile ✓ Weather conditions X Spills Inhalation hazard Overhead Electrical hazards Heights/fall > 6 feet ★ Heat/cold stress Elevated loads ★ Water/drowning hazard X Noise Slips, trip and falls > Heavy equipment Explosion/fire Radiation X Manual lifting Aerial lifts/platforms Welding/cutting Confined space entry Demolition Underground Utilities Security **№**Poor communications Other Potential Hazards (Describe): PAIL SCHAEFFER CONTRACT: W912DY-09-D-0060 / TO: 003

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	X Fire extinguishers	Lockout/tagout
<b>∠</b> Eye	Shoring	Fire watch	∠ Grounded
≥ Dermal/hand	Trench box	Non-spark tools	Panels covered
✓ Hearing	Barricades	Grounding/bonding	<u>★</u> GFCI/extension cords
Respiratory	<u>★</u> Competent person	Intrinsically safe equipment	→ Power tools/cord inspected
✓ Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	∠ Daily inspections ∠		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	∠ Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	★ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	<u>⊶</u> Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	¥ First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue	1 10000 10 1100110	Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts .	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	<u>≺</u> Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	∠ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	<u>N</u> Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	✓ Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	24 hour notification setup	V	
_soft locate necessary?			
Field Notes (including	observations from prior day,	etc.):	

Name (Print):	Jan Walley	1
Signature:	17.00	

Date: 12/5/13

CH2MHILL	SUB CONTRACTOR DAILY REPORT  USA Environmental					
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

Resumed brush & chainsaw cutting touchup of trees, logs & reeds in transects 8, 9 & 11, surface sweeps of transects 5, 6, &7 in DSA 5.

Progress to Date:

<u>AREA</u>	% CUT	% SWEEP
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

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.

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# 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

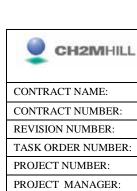
Company/ Employee Name	Contact Number/ Information	Cumulative Total of Work Hours From Previous Report	Total Hours Today
NAEVA/ DANIEL HENNESSY	434.806.5526/ GEO	0	10.5
NAEVA/JESSIE POWERS	434.989.4879/ GEO	0	10.5
EQUIPMENT ON HAND			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	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	

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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.):			

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.

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### **CH2M HILL DAILY REPORT**

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		032		
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	B:	12/06/13		
REVISION NUM	IBER:	1			REVISION DA	ГЕ:	10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Investigation		
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH & SAFETY OFFICER:		Jonathan Waldron			
AM WEATHER:	Overcast, cold, rai	n	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

WORK FORCE CONTRACTOR AND SUBCOMERACTOR

#### 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

	1		1
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

WORK AND/OR TESTS ACCOMPLISHED OR IN PROGRESS  Performed Work / Test for Today: Daily Taligate, 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 Tomorrow: break for weekend  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  Performed By  See Attached  Inspection Findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected  Inspection Performed  Findings Schonsted inspection  Daily/Serviceability  Pass
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/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached Make/Model/Manufacturer Material Lot Number Performed By  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
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/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached Make/Model/Manufacturer Number Performed By  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
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/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached Inspection fundings, etc.): Pass  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
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/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached Performed By  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
Project attributable to site and weather conditions, etc.): Working through issues for DSA 4 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/ Description of Materials Received Make/Model/Manufacturer Material Lot Inspection Performed By  See Attached See Attached  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
MATERIALS DELIVERED TO JOB SITE  Quantity/Volume/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
MATERIALS DELIVERED TO JOB SITE  Quantity/Volume/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
MATERIALS DELIVERED TO JOB SITE  Quantity/Volume/ Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
Quantity/Volume/ Weight Description of Materials Received Make/Model/Manufacturer Material Lot Number Performed By  See Attached COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
See Attached  COMMENTS (acceptance status, inspection findings, etc.): Pass  INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
INSPECTIONS PERFORMED  Task/Activity Inspected Inspection Performed Findings
Task/Activity Inspected Inspection Performed Findings
Schonsted inspection Daily/Serviceability Pass
Daily Bettietenity 1 ass
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
Task/Activity Tested Test Performed Test Results (Pass/Fail) - Criteria
GPS equipment Function and accuracy test Pass  Function and accuracy test Pass  Function and accuracy test Pass
GPS equipment Function and accuracy test Pass

QUALITY I	SSUES AND RI	ESOLUTIONS: no	one								
			SUBM	IITTALS INSPECT	ION / REVI	EW					
Submittal N	o. Submit		Specification/P	lan Reference	Sub	mittal A	pprove	ed?		Comment/Reaso	on/Action
NA					Yes		No				
					Yes		No				
					Yes		No				
					Yes		No				
	•	•			•						
				LATORY COMPLI	ANCE REPO	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA									
		v	VASTE ACCUM	ULATION/STOCK	PILE AREA	INSPE	CTIO	N			
Inspection Performed By: NA Signature of Inspector: NA											
Accumulation / NA Stockpile Area Inspected:											
No of Containers:	NA	No of Tanks	NA	No of	f Roll-Off Bo	xes:	NA			No. of Drums	NA
Inspection Re	esults: NA										
				GENERAL COM	MENTS						
General Com	ments~ (rework,	directives, etc.): C	ontinuing with dai	ily operations and awa	ait on approa	ch for D	SA 4 a	and DS	SA 6.		
				ATTACHME	NTS						
				g minutes, safety med XO Safety Brief, Dai							
portions or de and last name	esignate as "not a on each comple	ly in ink. Line out pplicable". Prepar ted daily report. T I signed electronica	er signs first nis form may	Jor	athan Waldro	on				1	2/06/13
oc inica out t	accomeany and	a signed electronica	шу.	PR	EPARER'S SIG	NATURE					DATE

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CH2M HILL W912DY-09-D-0060  CONTRACTOR PRODUCTI (ATTACH ADDITIONAL SHEETS IF NO					ORT		REVISI	OF REPORT: 12/6/ ON NO: ON DATE:	2013		
CTO NO: 003		PROJECT NAME	Z/LOC	ATION: Former Raritan Ars	enal_	RI/FS			_	T NO: 032	
PROJECT NO: 427946 SUXOS: Chris Rose UXOSO: Mike Malko UXOQCS: Mike						Malko					
AM WEATHER: Rain			1	WEATHER: Rain / cold				TEMP: 62°F MIN TEMP: 44°F			
	-,		1	SUMMARY OF WORL	к ре	RFORMED TO					
Vegetation reduction a	and surfa	ace clearance of DSA 5	contin	ued Transect T30-DSA5-7 was							
The DGM of Area 18I	O (EPA)	was completed.			•						
	Was	A Job Safety Meetin	ng Helo	1 This Date?		⊠ Yes	☐ No			HOURS ON JOB S ding Continuation S	
Were there any lost-time a (If Yes, attach copy of comple Was a Confined Space En (If Yes, attach copy of each p			leted O	SHA report)		☐ Yes	⊠ No	СН2М	HILL On-S	ite Hours	28
Was a Confined Space Entry (If Yes, attach copy of completed Was a Confined Space Entry (If Yes, attach copy of each perm Were Crane/ Man-lift/ Trenc Work/ HAZMAT Work Don				ermit Administered This Date	e?	☐ Yes	⊠ No	Subcon	tractor On-S	Site Hours	66
				g/ Scaffold/ HV Electric/Hig	gh		N N	Total (	On-Site Hou	ırs This Date	94
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist sl				t showing inspection performed)				ative Total o Previous Rep	f Work Hours oort	4519	
Was Hazardous Material/Waste Released into the Entitle (If Yes, attach description of incident and proposed action)					ent?	☐ Yes	⊠ No	Total Work Hours From Start of Construction 4613			4613
				INSPECTIONS CONDUCTOR Daily safety briefing; equipmen			violations,	correctiv	e instructio	ns given, corrective	actions
-				E INCORPORATED IN JOB		1				ı	
`				MAKE/ MODEL/ MANUFACTURER	`			SPECTION ORMED BY			
EQUIPMENT USED	ON JO	OB SITE TODAY.						I		NUMBER OF HOUR	9
EQUIPMEN	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	Sz	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR
	GPS			Trimble Geo XH		Chris	Rose		10	0	
	GPS			Trimble Geo XH	Mike N		ke Malko		0	10	
Pick	-up Tru	ck		Nissan Frontier		Jonathan \	Waldron		8	2	
Picl	k-up truc	ck		Dodge Ram 1500		Mike N			10	0	
	SUV			Ford Explorer		Chris			10	0	
Offi	ice Trail	er		ModSpace			n Waldron		10	0	
	enerator			Ingersol Rand		Jonathan Waldron Chris Rose			10	0	
	able toil			Satellite Industries		Chris Rose  Chris Rose			10	0	
Port	able toil	let		Satellite Industries		Ciris	Rose		10	0	
CHANGED CONDIC				OUNTERED ( <i>List any confli</i> c.):	cts wi	ith the delivery	order [i.e.,	scope of	work and/oi	r drawings], delays	to the
VISITORS TO THE	SITE:										
LIST OF ATTACHM	ENTS (C	OSHA report, confi	ned spe	ace entry permit, incident re	ports	, etc.):					

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PRO	DATE OF REPORT: 12/6/2013 REVISION NO: REVISION DATE:			
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan	n Arsenal – RI/FS		REPORT NO: 032	
	WORK I	PERFORMED TODAY			
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	E TITLE/TRADE	HRS
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	10
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10
Jonathaan Waldron	Subcontractor oversight	CH2M HILL		SSHO	8
					+
				1	$\top$
	INCLUDE ALL DEDCONNEL WORK	HOURS IN THE TOTAL WORK HOL	URS ON TOR SITE		
	INCLUDE ALL PERSONNEL WORK F	OURS IN THE TOTAL WORK HOU	KS ON JOB SITE		
SAFETY REQUI	REMENTS HAVE BEEN MET □ □ -	SUPERINTENDENT'S S	IGNATURE	12/6/13  DATE	_

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Project.	RI/FS Former Rarita	an Arsenal		Date: 12/06/2	2013		
LOCATION (	OF WORK: DSA-5	, Area 12, Area	a 18D (EPA)				
			, ,				
DESCRIPTION	ON OF WORK: Te	errestrial DGM	Surveys, Surface C	learance,			
WEATHER:	☐(CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	$\boxtimes$ (RAIN)	$\square$ (WINDY)		
TEMPERATI	JRE:	MIN: <u>44</u> °F		MAX: <u>58</u> °F.			
1. Work con	npleted today by sub	contractor:					
CH2M Hill's s T30DSA5-7.	subcontractor USAE	completed veg	gitation removal and	surface cleara	ance transect		
CH2M Hill's	subcontractor USAE	continued veg	etation removal on	DSA 5.			
CH2M Hill's	subcontractor NAEVA	A completed D	GM survey of Area	18D (EPA prop	perty).		
2. Work con	npleted today by QC	inspection stat	it:				
Monitored wo	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	า:						
4. Non-confo	rmances/deficiencies	s 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 Michala Milka

Project QC Specialist

#### FOLLOW-UP PHASE INSPECTION CHECKLIST

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

Date:	12-05-2013	
Contracto	r: CH2M Hill	
Project:	RI/FS Former Raritan Arsenal	
	•	
	Y=YES; N=NO; SEE REMARKS NOT APPLICABLE	
	COMPLIES WITH WORK PLAN AS VED IN INITIAL PHASE	Yes

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

Surface Clearance DSA5,
/lichael Malko
onathan Waldron
Chris Rose
Rick Rogaliner, Jim Gilbert, Brian Kenneth
ason 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.

Michala Milke	12-05-2013
Project QC Specialist	Date



### **CH2MHILL**

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

Date: 12/6/13	Location: 60	100,100
Supervisor: C. Rose	Job	
Supervisor: CROSE Activity: DGM Orush	+ Surface Clarence	
Attendees: Print N		Sign Name
J950	Capeno On M CCOIS	The state of the s
Brown	Kenneth	
RICH	ROBALINER	
Jom 6	bert	Jan 2
Jessi		Juni 2 6 avers
- Wan H	e Ang F S	In Street
ist Tasks and varify that applie	cable AHAs have been reviewed:	00
ist rasks and verify that applic		Ŧ.
Dang 1 Moscola	Surface + Brish Cle	rave, bende
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protec	tion cranes/rigging books aguinment
power tools):	, , , , , , , , , , , , , , , , , , , ,	tion, cranes/rigging, neavy equipment
power tools):	•	tion, cranes/rigging, neavy equipment
power tools):	+ Pourcitob, Argo	tion, cranes/rigging, neavy equipment
power tools):	•	tion, cranes/rigging, neavy equipment
BGM, G75, Mond	fourtob, tras	
Potential H&S Hazards, includi	fourtob, tras	cal and environmental (check all that
Potential H&S Hazards, including apply):	fourtob, tras	
Potential H&S Hazards, includi	ng chemical, physical, safety, biologicalTrench, excavations, cave-ins	
Potential H&S Hazards, including pply):	Howe tab, they	cal and environmental (check all that
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	ng chemical, physical, safety, biologicalTrench, excavations, cave-ins	cal and environmental (check all that
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	Trench, excavations, cave-ins  ✓ Overexertion	cal and environmental (check all that  Ergonomics Chemical splash
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  ✓ Overexertion  ✓ Pinch points	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Power-tools, theye  Ing chemical, physical, safety, biologic  — Trench, excavations, cave-ins  ✓ Overexertion  ✓ Pinch points  — **Cuts/abrasions**	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins  ✓ Overexertion  ✓ Pinch points  ✓ Cuts/abrasions  — Spills	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burns ElectricalWeather conditionsHeights/fall > 6 feetNoise	Trench, excavations, cave-ins Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burns ElectricalWeather conditionsHeights/fall > 6 feetNoise	Trench, excavations, cave-ins Trench, excavations, cave-ins OverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loads	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress Y Water/drowning hazard
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Y Heat/cold stress X Water/drowning hazard Heavy equipment
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Trench, excavations, cave-ins  ✓ Overexertion  ✓ Pinch points  ✓ Cuts/abrasions  — Spills  — Overhead Electrical hazards  — Elevated loads  X Slips, trip and falls  ✓ Manual lifting	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress Y Water/drowning hazard Aerial lifts/platforms Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Trench, excavations, cave-ins Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads X Slips, trip and falls Manual lifting Welding/cutting Security	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Y Heat/cold stress X Water/drowning hazard Aerial lifts/platforms
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  Other Potential Hazards (Descriptions)	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  X Slips, trip and falls  Manual lifting  Welding/cutting  Security  ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress Y Water/drowning hazard Aerial lifts/platforms Demolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  Other Potential Hazards (Describer 1988):	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  X Slips, trip and falls  Manual lifting  Welding/cutting  Security  ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress Y Water/drowning hazard Aerial lifts/platforms Demolition
Potential H&S Hazards, including ply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  Other Potential Hazards (Descriptions)	Trench, excavations, cave-ins Trench, excavations, cave-ins Overexertion Pinch points Spills Overhead Electrical hazards Elevated loads X Slips, trip and falls Manual lifting Welding/cutting Security  ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects Y Eye hazards/flying projectile Inhalation hazard Heat/cold stress Y Water/drowning hazard Aerial lifts/platforms Demolition

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	✓ Fire extinguishers	Lockout/tagout
<b>∡</b> Eye	Shoring	Fire watch	★ Grounded
∠ Dermal/hand	Trench box	Non-spark tools	× Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	★ Competent person	Intrinsically safe equipment	Power tools/cord inspected
★ Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	∠ Daily inspections ∠		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	<b>≮</b> Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
		VICE-149 XV 521	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	<u> </u>	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	∠ Competent person
Excavation	Competent person	Heavy equipment	✓ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	X FA/CPR
Energized work		Cranes and rigging	Confined Space
_ Energized work		Utilities marked	∠ Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	cesses included?
Client review	24 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including o	bservations from prior day, e	tc.):	
Freda (1 20		eus	
	1		

Name (Print): John John Signature:

Date: 12/6/B

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>	% CUT	% SWEEP
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

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		
CONFIDENCE A LA VI NA LA	1		I.

**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.

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# 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	_

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

MAY 2021

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.

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MAY 2021



### CH2M HILL DAILY REPORT

CONTRACT NA	JAME: Former Raritan Arsenal		REPORT NO:		033				
CONTRACT NU	NUMBER: W912DY-09-D-0060		REPORT DATE:		12/09/13				
REVISION NUM	EVISION NUMBER: 1 REVISION DATE:		10/30/13						
TASK ORDER N	TASK ORDER NUMBER: 003 PROJECT NAME / LO		IE / LOCATION:	Former Raritan Arsenal, Edison, NJ					
PROJECT NUM	PROJECT NUMBER: 427946 PROJECT D		PROJECT DESCRIPTION: Remedial Investigation		stigation				
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	Senior UXO Supervisor: Chris Rose		ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
AM WEATHER:	Overcast, cold, rai	n	PM WEATHER:	Overcast,	ast, 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

ctortod

#### 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

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WORK AND/OP TE	STS ACCO	MDI ISHED OD IN DDOCDESS							
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									
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	Planned Work / Test for Tomorrow: Winter Weather Advisory. Snow and poor working conditions expected. No work will take place on 12-10-13								
Dlannad Work / Tast f	or Nevt Wee	k: DGM and prep for close out of phase 1 activities.							
Trained Work / Test is	or real wee	R. DOW and prep for cross out of phase 1 activities.							
		AY/CONFLICTS ENCOUNTERED (List any contituent conditions, etc.): None encountered for today		[i.e., scope o	of work and/or drawings	s], delays to the			
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta		iscussions a	nd meeting				
		QUALITY CONTRO	L REPORT						
MATERIALS DELI	VERED TO			0 .		T .			
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	ufacturer	Material Lot Number	Inspection Performed By			
		See Attached							
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass							
INSPECTIONS PER	FORMED								
Task/Activity Insp	pected	Inspection Performed		Findings					
Schonsted inspe	ction	Daily/Serviceability			Pass				
GPS Equipme	ent	Daily/Serviceability			Pass				
Generator		Daily/ Serviceability			Pass				
Fire Extinguish		Monthly			Pass				
First Aid Ki		Monthly			Pass				
Bob Cat UT	V	Daily/Weekly			Pass				
Field Vehicle	es	Daily/Weekly			Pass				
TESTS PERFORME	Z <b>D</b>			<u> </u>					
Task/Activity To	ested	Test Performed		,	Test Results (Pass/Fail)	- Criteria			
GPS equipment Function and accuracy test Pass									
Schonsted		QC check			Pass				
Site communication/ R	adio	Radio Check			Pass				

QUALITY I	SSUES AND RI	ESOLUTIONS: no	one									
SUBMITTALS INSPECTION / REVIEW												
Submittal N	o. Submit		Specification/Plan Reference			Submittal Approved?				Comment/Reas	on/Action	
NA					Y	es		No				
					Y	es		No				
					Y	es		No				
					Y	es .		No				
	•	l e			\ 			I	ı			
				ULATORY COM	MPLIANCE R	EPC	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		V	ASTE ACCU	MULATION/ST	OCKPILE AF	REA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of Ir	ispec	ctor:	NA	L			
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-Of	f Box	xes:	NA			No. of Drums	NA
Inspection Re	sults: NA											
				GENERAL (	COMMENTS							
General Com	ments~ (rework,	directives, etc.): Co	ontinuing with o	daily operations a	nd await on app	roac	h for I	OSA 4	and DS	SA 6.		
				ATTACI	HMENTS							
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.												
portions or de and last name	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.											
Jo Illiou out c	and		<i>y</i> •		PREPARER'S	SIGN	IATURE					DATE

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CH2M HILI W912DY-09-D-00		CO		RACTOR PRODU			PORT		REVISIO		2013
CTO NO: 003		PROJECT NAME/LOCATION: Former Raritan Arsenal – RI/FS							ON DATE: T NO: 033		
	7046	PROJECT NAME									N. # 11
PROJECT NO: 42							UXOQCS: Mike I	Malko			
AM WEATHER: Rain	/ cold		PM	WEATHER: Rain / cold			<u> </u>	ИР: 37°F		MIN TEMP: 34°F	
				SUMMARY OF WORK	PE	RFORMED TO	ODAY				
The DGM of DSA 3 w	of DSA	5 continued. The followed	wing tra	rere completed: 18, 19, 20, 21, 22,							
	Was A	A Job Safety Meetin	g Held	1 This Date?		⊠ Yes	□ No			OURS ON JOB S ing Continuation S	
/ \	(If Yes	there any lost-time as, attach copy of compl	eted O	SHA report)	0	☐ Yes	⊠ No	CH2M	HILL On-Sit	te Hours	33
JOB	(If Yes	s, attach copy of each p	ermit)	ermit Administered This Date		Yes	⊠ No	-	ractor On-Si		92
SA	Work	/ HAZMAT Work I	Oone?	g/ Scaffold/ HV Electric/High t showing inspection performed)	h	☐ Yes	⊠ No	Cumula		Work Hours	125 4613
				Released into the Environment and proposed action)	ent?	☐ Yes	⊠ No		ork Hours F	rom Start of	4738
				NSPECTIONS CONDUCT Daily safety briefing; equipment			violations,	corrective	instruction	s given, corrective	actions
-				E INCORPORATED IN JOB				1		1	
	OF EQU RECEI	JIPMENT/MATERIAL VED	,	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB		INSPECTION NUMBER/ VOLUME/ PERFORMED BY WEIGHT			
EQUIPMENT USED	ON IO	DR SITE TODAY									
EQUITMENT USED	ON JO	B SITE TODAT.		Ī					N	UMBER OF HOURS	3
EQUIPMEN'	T DESC	CRIPTION	EQ	UIPMENT MAKE/MODEL	SAFETY CHECK PERF		PERFORMED BY		USED	IDLE	REPAIR
	GPS			Trimble Geo XH	Chris Rose			10	0		
	GPS			Trimble Geo XH		Mike N	Malko		10	0	
Pick	-up Tru	ck		Ford F-250		Jonathan '	Waldron		10	0	
Pick	-up truc	ck		Dodge Ram 1500		Mike N	Malko		10	0	
	SUV			Ford Explorer		Chris			10	0	
Offic	ce Trail	er		ModSpace		Jonathan '			10	0	
Ge	enerator			Ingersol Rand		Jonathan '			10	0	
Porta	able toil	et		Satellite Industries		Chris			10	0	
Porta	able toil	et		Satellite Industries		Chris	Rose		10	0	
				OUNTERED (List any conflice.): Field work for tomorrow.							to the
VISITORS TO THE											
LIST OF ATTACHME	ENTS (C	OSHA report, confin	ied spe	ace entry permit, incident rep	orts,	etc.):					

PAGE 1 OF 2 F-400

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODUCT (ATTACH ADDITIONAL SHEETS IF	DATE OF REPORT: 12/9/20 REVISION NO: REVISION DATE:	13						
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsenal –	REPORT NO: 033							
	WORK PERFORMED TODAY								
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS				
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	11				
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	11				
Jonathaan Waldron	Subcontractor oversight	CH2M HILL		SSHO	11				
			+						
	INCLUDE ALL PERSONNEL WORK HOURS IN	THE TOTAL WORK HOURS	ON JOB SITE						
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chri Ros	2	12/9/13					
		SUPERINTENDENT'S SIGN	NATURE	DATE					

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Project. RI/FS	Former Raritan Arsenal	Dat	te: 12/09/2013
LOCATION OF WC	DRK: DSA-5, Area 12, DSA	<b>4-3</b>	
			-
DESCRIPTION OF	WORK: Terrestrial DGM	Surveys, Surface Clea	rance,
	7(0) 515)		
_	☐(CLEAR) ☐(FOG)		$ (RAIN)  \qquad  (WINDY) $
TEMPERATURE:	MIN: <u>44</u> °F	M	AX: <u>58</u> °F.
Work completed	I today by subcontractor:		
clearance transect	tractor USAE completed veg T30DSA5-6. Surface cleara could not gain access due to	nce was attempted in tr	ansects TDSA5-1 thru 3
	tractor NAEVA completed D	•	
CH2M Hill's subcon	tractor NAEVA completed D	GM survey of 30% of A	rea 12
2. Work completed	I today by QC inspection sta	ff:	
Monitored work pra	ctice and procedures of UXC	O surface clearance tea	m.
Monitored work pra	ctice and procedures of Geo	physics survey team. (I	DGM)
3. All work performed If not, explain:	ed in conformance with Work	Plan requirements?	Yes
ii not, explain.			
4. Non-conformance	es/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

Michala Milko

#### CH2IVIHILL



Jate 12/9 13	Arseral Location: Edit	sin, NJ
		1
Activity Brush Clearer	Job	
Chash Clean	e + DGM	
Attendees: Print N	Name	Sign Name
See Attecher		Sign Name
THE ALTERNACE		
in Trake and a life at a life		
ist tasks and verify that applic	cable AHAs have been reviewed:	
Crush Cheony o	n In wetlood oreas, DG	on of traceite
V.		THE STATE OF THE S
Tools/Equipment Required for	Tasks fladders scaffolds fall protect	
Tools/Equipment Required for power tools):	Tasks (ladders, scaffolds, fall protec	tion, cranes/rigging, heavy equipmen
petici tooisj.		
petici tooisj.	Tasks (ladders, scaffolds, fall protect	
petici tooisj.		
EMGI, GPS, Morsh	Muster, hard + Pains	-tools, Boot
EMGI, GPS, Morsh	Muster, hard + Pains	
Potential H&S Hazards, including	Muster, hard + Pains	cal and environmental (check all that
Potential H&S Hazards, including apply):	ng chemical, physical, safety, biologi	cal and environmental (check all that
Potential H&S Hazards, including apply): Chemical_burns/contact	ng chemical, physical, safety, biologi Trench, excavations, cave-ins	cal and environmental (check all that ErgonomicsChemical splash
Potential H&S Hazards, including apply):  _ Chemical burns/contact  _ Pressurized lines/equipment _ Thermal burns	ng chemical, physical, safety, biologi Trench, excavations, cave-ins Overexertion	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects
Potential H&S Hazards, including apply): Chemical_burns/contactPressurized lines/equipmentThermal burnsElectrical	mg chemical, physical, safety, biologi Trench, excavations, cave-ins Yoverexertion Yench points	cal and environmental (check all that ErgonomicsChemical splash
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	mg chemical, physical, safety, biologi Trench, excavations, cave-ins  ★ Overexertion  ★ Pinch points  ★ Cuts/abrasions	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical p	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazardHeat/cold stress
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	mg chemical, physical, safety, biologi Trench, excavations, cave-ins Overexertion Yench points Spills Overhead Electrical hazards	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	mg chemical, physical, safety, biologi Trench, excavations, cave-ins Yoverexertion Yench points Spills Overhead Electrical hazards Elevated loads	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insectsKeye hazards/flying projectileInhalation hazard _Ket Heat/cold stress _Ket Water/drowning hazard _Ket Heavy equipment
Potential H&S Hazards, including apply):  _ Chemical burns/contact _ Pressurized lines/equipment _ Thermal burns  & Electrical & Weather conditions _ Heights/fall > 6 feet & Noise & Explosion/fire _ Radiation	mg chemical, physical, safety, biologi Trench, excavations, cave-ins Overexertion Yench points Yench points Spills Overhead Electrical hazards Elevated loads Slips, trip and falls	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard Heavy equipmentAerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burns ElectricalWeather conditionsHeights/fall > 6 feetNoiseExplosion/fireRadiationConfined space entry	mg chemical, physical, safety, biologi Trench, excavations, cave-ins Overexertion Yench points Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard Heavy equipmentAerial lifts/platformsDemolition
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard Heavy equipmentAerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burns ElectricalWeather conditionsHeights/fall > 6 feetNoiseExplosion/fireRadiationConfined space entryUnderground Utilities Other Potential Hazards (Descriptions)	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard Heavy equipmentAerial lifts/platformsDemolition
Potential H&S Hazards, including pply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	cal and environmental (check all that ErgonomicsChemical splashPoisonous plants/insects Eye hazards/flying projectileInhalation hazard Heat/cold stressWater/drowning hazard Heavy equipmentAerial lifts/platformsDemolition

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

Name (Print): De Valdra
Signature: Albour

Date: 12/9/13

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: 12-9-13

	17 13	
8 u		
Name (printed)		
	Signature	Company
Jam Egbart	Jomes Le	USAE
Jaron M CCo.;	Time	USAE
John Capano	Min	USAE
Brown, Kenneth	Tolo	USAE
Jen Waldra	Chel Dall	C42M
RICK ROCALINER	tie	USAE
V/65 (05/60	1-dock	IMM
KURT EHRHART	Cal With	IMM
Un Homerso	0/2	
Jessie Powers	Juni 2 Povers	NAEVA
MAMALHO	MAZOVAMALL	
Chris Rose	The Real Property	CHZM
GARY BALETT!	San Balotto	Millers
	sand become	Millers
<u> </u>		

### Generated by CamScanner

CH2MHILL	SUB CONTRACTOR DAILY REPORT  USA Environmental				
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

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.

#### Progress to Date:

<u>AREA</u>	<u>% CUT</u>	% SWEEP
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 1 McCoig, Jason		178	10

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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.

F-407



### 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

 $1700\text{-}1800\text{: disassemble towed array platform, re-pack trailer, retrieve RTK base station from Area\ 12-gate}$ 

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		

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.

F-409



#### **CH2M HILL DAILY REPORT**

		1					1		
CONTRACT NA	AME:	Former	Raritan Arsenal		REPORT NO:		034		
CONTRACT NU	JMBER:	W912D	Y-09-D-0060		REPORT DATE:		12/11/13	12/11/13	
REVISION NUM	MBER:	1			REVISION DAT	ГЕ:	10/30/13		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritan	n Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko	Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron		
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

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

	1		1
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

WORK AND/OR TE	STS ACCO	MPLISHED OR IN PROGRESS					
DSA 5.		Daily Tailgate, PTSP, field and equipment inspection d continues in Area 12	s. Continue with surfa	ace clearance	e and vegetation reducti	on of DSA 4 and	
Planned Work / Test fo	or Tomorrow	v: Continue with DGM and surface sweeping of transp	pects.				
Planned Work / Test fo	or Next Wee	k: Prep for close out of phase 1 activities.					
project attributable to	site and weat	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): None encountered for today.				s], delays to the	
VISITORS AND DIS	CUSSIONS	S: See attached QC and Production Report for deta		iscussions a	nd meeting		
		QUALITY CONTROL	L REPORT				
MATERIALS DELI	VERED TO						
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Manufacturer Material Lot Number			Inspection Performed By	
		See Attached					
COMMENTS (accep	tance status	, inspection findings, etc.): Pass					
INSPECTIONS PER	FORMED						
Task/Activity Insp	pected	Inspection Performed			Findings		
Schonsted inspe	ction	Daily/Serviceability			Pass		
GPS Equipme	ent	Daily/Serviceability			Pass		
Generator		Daily/ Serviceability			Pass		
Fire Extinguish	ners	Monthly			Pass		
First Aid Ki		Monthly			Pass		
Bob Cat UT		Daily/Weekly			Pass		
Field Vehicle	es	Daily/Weekly			Pass		
TESTS PERFORME	<b>D</b>						
Task/Activity Tested Test Performed			Test Results (Pass/Fail) - Criteria				
GPS equipment Function and accuracy test			Pass				
Schonsted QC check			Pass				
Site communication/ R	Radio	Radio Check			Pass		

QUALITY ISSUES AND RESOLUTIONS: none										
			SUB	MITTALS INSPECTION	/ REVIE	W				
Submittal No	ubmittal No. Submittal Specification/I		Plan Reference	Subn	nittal A	pprove	d?	Comment/Reaso	n/Action	
NA				Yes		No				
					Yes		No			
					Yes		No			
					Yes		No			
			REGU	ULATORY COMPLIANC	E REPO	RT				
PERMIT IN	SPECTIONS P	ERFORMED: NA								
		v	ASTE ACCUM	MULATION/STOCKPILE	AREA	INSPE	CTIO	N		
Inspection Performed By: NA			Signature of	of Inspec	tor:	NA				
Accumulation Stockpile Are		NA								
No of Containers:	NA	No of Tanks	NA	No of Roll	o of Roll-Off Boxes:		NA		No. of Drums	NA
Inspection Re	sults: 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.										
portions or de and last name	signate as "not a on each comple	ly in ink. Line out pplicable". Preparted daily report. The signed electronical	er signs first nis form may	Jonathar	Waldro	n			1	2/11/13
oc mica out e	e filled out electronically and signed electronically.  PREPARER'S SIGNATURE  DATE									

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CH2M HILL W912DY-09-D-0		CO	NTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECESSARY)				REVISIO	DATE OF REPORT: 12/11/2013 REVISION NO: REVISION DATE:		
CTO NO: 003		PROJECT NAME	/LOC	ATION: Former Raritan Arsenal	– RI/FS			REPORT	NO: 034	
PROJECT NO: 42	27946		SU	XOS: Chris Rose		UXOSO:	Mike Ma	alko	UXOQCS: Mike	Malko
AM WEATHER: Clea	ır / cold		PM	WEATHER: Clear / cold		MAX TEN	MP: 34°F		MIN TEMP: 23°F	
				SUMMARY OF WORK PE	CRFORMED TO	ODAY				
	of DSA vas starte	4 continued. 4 transect d. The following trans	ects we	swept. re completed: 1, 2, 3, 4, 5, 6 and 7. re completed: 6, 11, 12, 13 E-F, 14 C-	C, 15, 16, 17 and a	a portion of 1	2.			
	Was A	A Job Safety Meetin	ng Helo	1 This Date?	⊠ Yes	☐ No			OURS ON JOB S	
/ >	(If Yes	there any lost-time s, attach copy of comp	leted O	SHA report)	☐ Yes	⊠ No	СН2М	CH2M HILL On-Site Hours 29		
JOB		Confined Space En		rmit Administered This Date?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	80
SAI	Work	e Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High st/ HAZMAT Work Done? es, attach statement or checklist showing inspection performed)			☐ Yes	⊠ No	Cumulative Total of Work Hours		109 4738	
				Released into the Environment? t and proposed action)			ork Hours From Start of		4847	
taken, and results o	of safety	v inspections condu	cted):	NSPECTIONS CONDUCTED  Daily safety briefing; equipment insp		violations,	correctiv	e instruction	s given, correctiv	e actions
		IPMENT/MATERIAI		E INCORPORATED IN JOB  MAKE/ MODEL/ MANUFACTURER	EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ WEIG	
EQUIPMENT USED	ON IO	R SITE TODAY								
EQUIPMEN			EQ	UIPMENT MAKE/MODEL S	AFETY CHECK	PERFORME	D BY	N USED	UMBER OF HOUR	S REPAIR
	GPS			Trimble Geo XH	Chris	Rose		10	0	KEFAIK
	GPS			Trimble Geo XH	Mike Malko			10	0	
Pick	-up Truc	ck .		Ford F-250	Jonathan Waldron			10	0	
Pick	k-up truc	k		Dodge Ram 1500	Mike Malko			10	0	
	SUV			Ford Explorer	Chris Rose			1	9	
Offi	ce Traile	er		ModSpace	Jonathan Waldron			10	0	
G	enerator			Ingersol Rand	Jonathan Waldron			10	0	
Port	able toil	et		Satellite Industries	Chris			10	0	
Port	able toil	et		Satellite Industries	Chris	Rose		10	0	
	TIONS/	DELAY/CONFLICT	S ENC	OUNTERED (List any conflicts w	rith the delivery	order [i.e.,	scope of	work and/or	drawings], delays	to the
CHANGED CONDIT					·					

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CH2M HILL W912DY-09-D-0060	CONTRACTOR PROD (ATTACH ADDITIONAL SI		R	DATE OF REPORT: 12/11/2013 REVISION NO: REVISION DATE:			
CTO NO: 003 PROJECT NAME/LOCATION: Form		Arsenal – RI/FS	R	EPORT NO: 034			
	WORK PI	ERFORMED TODAY					
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEE NUMBER	TITLE/TRADE	HRS		
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	1		
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	10		
Jonathaan Waldron	Subcontractor oversight	CH2M HILL		SSHO	10		
	INCLUDE ALL PERSONNEL WORK HO	OURS IN THE TOTAL WORK HOURS	ON JOB SITE	•	•		
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Ros	۶.	12/11/13			
	_	SUPERINTENDENT'S SIGN	NATURE	DATE			

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Project. RI/FS Former Raritan Arsenal	Date: <u>12/11/2013</u>					
LOCATION OF WORK: DSA-5, Area 12, DSA-1, DSA-6	<b>S</b>					
DESCRIPTION OF WORK: Terrestrial DGM Surveys,	Surface Clearance,					
WEATHER: $\square$ (CLEAR) $\square$ (FOG) $\square$ (P.CLOTEMPERATURE: MIN: $32^{\circ}$ F	OUDY) □(RAIN) □(WINDY)  MAX: <u>34</u> °F.					
Work completed today by subcontractor:						
CH2M Hill's subcontractor USAE completed surface clears but deep channels filled with water surround the area an						
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 survertransects T3DSA5-1 thru 15. These are one meter transect EM61 coil.						
CH2M Hill's subcontractor NAEVA completed DGM surve complete.	y of 30% of Area 12 for a total of 60%					
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 requ	uirements? 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

F-416



#### CH2MHILL

Pre-Task Safety Plan (PTSP) and Safety Meeting Sign-in Sheet Project: Former Ronforfrenal Location: Edison, NJ Date: 12/16/13 Supervisor: C. Rose Attendees: Print Name Sign Name 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): Arago, GPS, March Moster, John board, Ponton best, Jet boat Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply): Chemical burns/contact Trench, excavations, cave-ins X Ergonomics Pressurized lines/equipment ✓ Overexertion Chemical splash Thermal burns Pinch points Poisonous plants/insects Electrical ∠ Cuts/abrasions Eye hazards/flying projectile Weather conditions \_\_ Spills Inhalation hazard Heights/fall > 6 feet Overhead Electrical hazards Heat/cold stress Noise Elevated loads Water/drowning hazard Explosion/fire  $\stackrel{\textstyle imes}{\scriptstyle imes}$  Slips, trip and falls ∠Heavy equipment Radiation Aerial lifts/platforms Confined space entry \_\_ Welding/cutting Demolition Underground Utilities Security Poor communications Other Potential Hazards (Describe):

F-417

(Check All That Apply): Protective Systems Sloping Shoring Trench box Barricades Competent person Locate buried utilities	Fire Protection  Fire extinguishers  Fire watch  Non-spark tools  Grounding/bonding	Electrical  _ Lockout/tagout  ✓ Grounded  ∠ Panels covered
SlopingShoringTrench boxBarricades \$\frac{1}{2}\$ Competent person	Fire watch Non-spark tools Grounding/bonding	✓ Grounded ✓ Panels covered
Shoring Trench box Barricades 兌 Competent person	Non-spark tools Grounding/bonding	≥ Panels covered
Trench box Barricades ♪_Competent person	Grounding/bonding	100000000000000000000000000000000000000
Barricades \$\frac{1}{2}\$Competent person	Grounding/bonding	
★ Competent person		★ GFCI/extension cords
	_ Intrinsically safe equipment	✓ Power tools/cord inspected
		Overhead line clearance
✓ Daily inspections		Underground utils ID'd
	Proper Fauinment	Welding & Cutting
■.		Cylinders secured/capped
		Cylinders separated/upright
		Flash-back arrestors
	The second secon	No cylinders in CSE
		Flame retardant clothing
		Appropriate goggles
	1 —	— Appropriate Roggies
Other	/ Operator qualified	
31/FD	Heat/Cold Stress	Vehicle/Traffic
	E contract to the contract to	Traffic control
l <del></del>		Barricades
		Flags
		Signs
Route to nospital		
Demolition	Inspections:	Training:
Mark the second	Ladders/aerial lifts	Hazwaste (current)
	Lanyards/harness	Construction
	Scaffolds	∠ Competent person
	Heavy equipment	★ Task-specific
		¥ FA/CPR
Hazinat present	1 —	Confined Space
		Hazcom
		1-
	1.000000	- Needs Approva
	on site and current	29 - Hround at all son
	T	
1	Communication and incident pr	ocesses included?
∠ Clear communications		
m 12/10/13,	som + toe	ingrad today
Joshaldon	Data: 12	11113
	unter water a	Air Monitoring PID/FID Detector tubes Radiation Personnel sampling LEL/O2 No visible dust Other  Medical/ER First-aid kit Eye wash FA-CPR trained personnel Route to hospital  Demolition Pre-demolitions Isolate area/utilities Competent person Hazmat present  Incident Communications  Work Mand Advisore Accommunications Care and incident processors of the survey Clear communications  Aerial lift/ladders/scaffolds Forklift/heavy equipment Aerial lift/heavy equipment  Medical/ER Heat/Cold Stress Work/rest regime Rest area FLiquids available Monitoring Training  Inspections: Ladders/aerial lifts Lanyards/harness Scaffolds Heavy equipment Drill rigs/geoprobe rigs Cranes and rigging Utilities marked  AHA's  Freviewed and approved by HSM Con site and current Sapplicable for this day's work Communication and incident processors  Observations from prior day, etc.):  Competent person prior day, etc.):  Competent person prior day, etc.):  Communication and incident processors  Deservations from prior day, etc.):

## Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date: /2-/0-/3

Name (printed)	Signature	Company
John Capano Jason Melois	/Khr	
Jason Melai		USAE
Kenneth Brown	502 B	
Dom Ebrt RICK ROBALINER	Jna	USAE
RICK ROBALINER	4 wil	USAE
MAMALLIC	MXXMIGE	GFAM
Kuet EHRHART	Jan Marie	IMM
- Wannersy	Q1 2	NABUH
Vessie Powers	Disgi, L Pavers	NAEVA
/a Walcera	1/10	CHZM
	L	
t.		

SUB CONTRACTOR DAILY REPORT  USA Environmental							
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

Resumed and completed with Marsh Master transport support the sweeps of transects in DSA5, resumed sweeps of transects at DSA 4 (island).

#### Progress to Date:

AREA	% CUT	% SWEEP
DSA 1	100	100
DSA 2	100	100
DSA 3	100	100
DSA 4 (Island) DSA 5	100 100	50 100
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 1 McCoig, Jason		188	10

F-420

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 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 neccessary) 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.

The Mudder footwear supplied by USAE failed in this type of terrain today, due to inadequate weight displacement for personnel.

Saturday 14 Dec 2013 is projected for another inclement weather snowstorm to hit the area.

F-421



### 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	

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.

F-423



#### **CH2M HILL DAILY REPORT**

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		035			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		12/12/13			
REVISION NUM	MBER:	1		REVISION DATE:		10/30/13			
TASK ORDER N	RDER NUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ		
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark C	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	upervisor: Chris Rose SITE HEALTH & SAFETY OFFICER:		& SAFETY	Jonathan Wald	ron				
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 locaiton 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	
C	

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 (accep	tance status	s, inspection findings, etc.): None						
WORK AND/OR TE	ESTS ACCO	MPLISHED OR IN PROGRESS						
Performed Work / Tes NAEVA DGM's all of	-	Daily Tailgate, PTSP, field and equipment inspection continues in Area 12.	s. Continue with surf	ace clearance	e of DSA 4.			
Planned Work / Test fo	or Tomorrow	v: Continue with DGM. Finish DGM in Area 12 and s	start DGM in DSA 5					
Planned Work / Test for	Planned Work / Test for Next Week: Prep for close out of phase 1 activities.							
project attributable to s Island area. Crew w	site and weat as rescued	AY/CONFLICTS ENCOUNTERED (List any conther conditions, etc.): Transect sweep team becam after falling into mud up to their waist area and to boat to remove wet clothing and head back to	ne stuck in mud flat getting wet. Crew	area while were pulled	walking between trand I from mud using a sa	nsects on DSA4 fety rope, exited		
VISITORS AND DIS	CUSSIONS	: See attached QC and Production Report for deta	ails on site visitors, d	iscussions a	nd meeting			
		QUALITY CONTRO	L REPORT					
MATERIALS DELI	VERED TO							
Quantity/Volume/ Weight		Description of Materials Received	Make/Model/Man	nufacturer Material Lot Inspection Number Performed				
		See Attached						
COMMENTS (accep	tance status	s, inspection findings, etc.): Pass						
INSPECTIONS PER	FORMED							
Task/Activity Ins		Inspection Performed		Findings				
Schonstedt inspe	ection	Daily/Serviceability			Pass			
GPS Equipme	ent	Daily/Serviceability			Pass			
Generator		Daily/ Serviceability			Pass			
Fire Extinguish	ners	Monthly			Pass			
First Aid Ki	t	Monthly			Pass			
Bob Cat UT	V	Daily/Weekly			Pass			
Field Vehicle	es	Daily/Weekly			Pass			
TESTS PERFORME				1				
Task/Activity To		Test Performed			Test Results (Pass/Fail)	- Criteria		
GPS equipme	ent	Function and accuracy test			Pass			
Schonstedt		QC check			Pass			
Site communication/ R	Radio	Radio Check			Pass			

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

MAY 2021

QUALITY I	SSUES AND RI	ESOLUTIONS: no	one									
			CIIB	MITTALS INSI	PECTION / DI	ZVII	7W/					
Submittal N			Plan Reference	T	Submittal Approved?					Comment/Reas	on/Action	
NA			Y		es		No					
					Y	es .		No				
					Y	es .		No				
					7	es .		No				
	<b>.</b>	l						I				
				ULATORY CO	MPLIANCE R	EPC	ORT					
PERMIT IN	SPECTIONS P	ERFORMED: NA										
		V	ASTE ACCU	MULATION/ST	OCKPILE AF	REA	INSPE	CTIO	N			
Inspection Pe	rformed By:	NA			Signature of In	e of Inspector: NA						
Accumulation Stockpile Are		NA										
No of Containers:	NA	No of Tanks	NA		No of Roll-Of	f Box	xes:	NA	•		No. of Drums	NA
Inspection Re	sults: NA											
				GENERAL (	COMMENTS							
General Com	ments~ (rework,	directives, etc.): D	SA4 and DSA6	activities cancelle	ed until further	notio	ce due t	o acce	ss and s	safety	issues.	
				ATTACI	HMENTS							
		les, as applicable: s .): Daily Production										
portions or de and last name	signate as "not a on each comple	ly in ink. Line out applicable". Preparted daily report. The I signed electronica	er signs first nis form may		Jonathan W							12/12/13
Jo Illion out c	and	o Ciccuomea	<i>y</i> •		PREPARER'S	SIGN	IATURE					DATE

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CH2M HILL	CO	NTI	RACTOR PRODU	СТ	ION REP	ORT			OF REPORT: 12/12/	2013	
W912DY-09-D-0060			ATTACH ADDITIONAL SHEE						ON NO:		
CTTO NO. 002	DD CALCUMATA A	7.7.00	I TO						ON DATE:		
CTO NO: 003		1	ATION: Former Raritan Arso	enal –	- RI/FS				T NO: 035		
PROJECT NO: 4279	• •	-	XOS: Chris Rose			UXOSO:		alko			
AM WEATHER: Clear / c	old	PM	WEATHER: Clear / cold			MAX TEN	MP: 27°F		MIN TEMP: 20°F		
			SUMMARY OF WORK	K PE	RFORMED TO	ODAY					
The surface clearance of D	SA 4 continued. Transect	s 1, 2, 3	, 4, 5, 6, were swept.								
			hrough T3DSA1-15 were completed:		anata 16 A D and	17 A D		mlata Amaa 12			
			•			I / A-D Ieilia	ani to com	piete Afea 12.			
VARGO onsite to confirm	stake location in Area 10	and sur	vey transects T30-06, T30-07, 24	1 and 2	25 in DSA 5						
USAE packed up and ship	ped off equipment for der	nob.					TOTAL	I WODY I	TOTING ON TON G		
W	as A Job Safety Meeti	ng Hele	d This Date?		⊠ Yes	☐ No			HOURS ON JOB SI ding Continuation Sh		
\ \ \ \	ere there any lost-time Yes, attach copy of comp				☐ Yes	⊠ No	CH2M	HILL On-S	ite Hours	33	
JOB	as a Confined Space E Yes, attach copy of each		ermit Administered This Date	e?	☐ Yes	⊠ No	Subcor	ntractor On-S	Site Hours	62	
	ere Crane/ Man-lift/ T ork/ HAZMAT Work		ng/ Scaffold/ HV Electric/Hig	gh	☐ Yes	Yes No Cumulative Total of Work Hours			95		
(II	Yes, attach statement or	checklis	t showing inspection performed)				From Previous Report 484			4847	
	Was Hazardous Material/Waste Released into the Environment?  (If Yes, attach description of incident and proposed action)  Yes No Total Work Hours From Start of Construction				4942						
			INSPECTIONS CONDUCT			violations,	correctiv	e instructio	ns given, corrective	actions	
	-		Daily safety briefing; equipment the surface sweep of the island of			aadad ta ba r	uillad out	The sween too	am mambar act thair alc	thing wat	
			ather. After this trip it was decide					The sweep tea	un member got then ele	ninig wet	
EQUIPMENT/MATERI	AL RECEIVED TODAY	TO B	E INCORPORATED IN JOB								
	QUIPMENT/MATERIA CEIVED	L	MAKE/ MODEL/ MANUFACTURER		EQUIPMEN NUMB			SPECTION FORMED BY	NUMBER/ VO WEIGH		
KE	CEIVED		MANUTACTURER		NOMB	LK	TEKI	OKMED B1	WEIGI		
EQUIPMENT USED ON	IOR SITE TODAY										
EQUITMENT CSED OF	JOB SITE TODAT.							]	NUMBER OF HOURS		
EQUIPMENT D	ESCRIPTION	EQ	UIPMENT MAKE/MODEL	S	AFETY CHECK I	PERFORME	D BY	USED	IDLE	REPAIR	
GP	S		Trimble Geo XH		Mike N	Malko		11	0		
Pick-up	Truck		Ford F-250		Jonathan '	Waldron		11	0		
Pick-up	truck		Dodge Ram 1500		Mike N	Malko		11	0		
SU	V		Ford Explorer		Chris			11	0		
Office T	railer		ModSpace		Jonathan '			11	0		
Gener	ator		Ingersol Rand		Jonathan '			11	0		
Portable			Satellite Industries		Chris			11	0		
Portable	toilet		Satellite Industries		Chris	Kose		11	0		
			OUNTERED ( <i>List any conflic.</i> ): Work on the islands of I								
Three trips to islands h	ive been made and all		sulted in equipment being st								
to be extricated from m											
VISITORS TO THE SIT	c:										

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 ${\it LIST~OF~ATTACHMENTS}~(OSHA~report,~confined~space~entry~permit,~incident~reports,~etc.):$ 

CH2M HILL W912DY-09-D-0060	CONTRACTOR PRODU  (ATTACH ADDITIONAL SHEET		DATE OF REPORT: 12/12/201 REVISION NO: REVISION DATE:	.3						
CTO NO: 003	PROJECT NAME/LOCATION: Former Raritan Arsen	nal – RI/FS		REPORT NO: 035						
WORK PERFORMED TODAY										
EMPLOYEE	WORK PERFORMED	EMPLOYER	EMPLOYEI NUMBER		HRS					
Chris Rose	Subcontractor oversight	CH2M HILL		SUXOS	11					
Mike Malko	Subcontractor oversight	CH2M HILL		UXOQCS	11					
Jonathaan Waldron	Subcontractor oversight	CH2M HILL		SSHO	11					
	INCLUDE ALL PERSONNEL WORK HOURS	S IN THE TOTAL WORK HOURS	ON JOB SITE	;						
SAFETY REQUI	REMENTS HAVE BEEN MET 🛛	Chris Ros	2	12/12/13						
		SUPERINTENDENT'S SIGN	IATURE	DATE						

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Project. RI/FS Former Rarit	an Arsenal	Date: 12/12/2	2013
LOCATION OF WORK: DSA-5	, Area 12, DSA-1, DSA	-4	
	errestrial DGM Surveys, nd survey	, Surface Clearance, Tran	nsect lay out
WEATHER: ⊠(CLEAR) TEMPERATURE:  1. Work completed today by sub	MIN: <u>17</u> °F	LOUDY) □(RAIN) MAX: <u>27</u> °F.	□(WINDY)
CH2M Hill's subcontractor USAE semi liquid ground surface slower worker sank in the mud and was provided Grid sheets to documen	d progress of the sweep soaked with water in fre	team. Operations susper ezing temperatures. USA	nded when a
CH2M Hill's subcontractor NAEV	A completed DGM surve	ey of DSA-1	
CH2M Hill's subcontractor NAEV complete.			a total of 90%
<ol> <li>Work completed today by QC</li> <li>Monitored work practice and prod</li> </ol>	·	clearance team.	
Monitored work practice and proc	edures of Geophysics s		
Escorted the survey team while n	narking transects		
3. All work performed in conformation in the second	ance with Work Plan rec	quirements? Yes	
4. Non-conformances/deficiencies	s reported:		
None			
5. Comments:			
The wet and tidal conditions of D	SA 4 hinder the ability o	f the workers to maneuve	er the area.
		y that the above report is co	

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

MAY 2021



#### CH2MHILL

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

Date: 12 - 12 - 13		in NJ
Supervisor: Ca Rose	loh	
Supervisor: C. ROSE Activity: DGM, TSh	d Archintes, Surveying	
ACTIVITY. 1911	31000113	
Attendees: Print N	lame	Sign Name
Som Hit.	1/2000	
at Mital	chment	
	·	
	cable AHAs have been reviewed:	- 1
DGM, Ourtone Clase	ver Surveying, Bout in	+ Emergining operations
		1
Fools/Fauinment Required for	Tasks (ladders scaffolds fell another	+i
power tools):	rasks (lauders, scarrolds, fall protec	tion, cranes/rigging, heavy equipment,
had + Tower tools our	reded DGM+ GPi	5 gupmy, boat John be
had + Tours tools os (	needed, DGM+ GPE	5 egupont, boat, John So
had + Tower tools as a Ponton bout.	norded, DGM+ GPi	5 egupont, boat, John ba
tontoon bout.	1	
Potential H&S Hazards, including	1	cal and environmental (check all that
Potential H&S Hazards, including	ng chemical, physical, safety, biologi	cal and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact	1	cal and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact	ng chemical, physical, safety, biologi	cal and environmental (check all that  Legendres  Chemical splash
Potential H&S Hazards, includir apply):  _Chemical burns/contact  Pressurized lines/equipment	ng chemical, physical, safety, biologi Trench, excavations, cave-insOverexertionYeinch points	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash _ Poisonous plants/insects
Potential H&S Hazards, includir apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	ng chemical, physical, safety, biologiTrench, excavations, cave-insOverexertion	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile
Potential H&S Hazards, includir apply): Chemical burns/contact  Pressurized lines/equipment Thermal burnsElectrical	Trench, excavations, cave-insOverexertionYeinch pointsCuts/abrasionsSpills	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	rig chemical, physical, safety, biologi Trench, excavations, cave-insOverexertionYeinch pointsCuts/abrasionsSpillsOverhead Electrical hazards	cal and environmental (check all that  Legonomics Chemical splash Poisonous plants/insects Lege hazards/flying projectile Inhalation hazard Legonomics Leg
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-insOverexertionYPinch pointsSpillsOverhead Electrical hazardsElevated loads	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  ∠ Water/drowning hazard
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads XSlips, trip and falls	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  ∠ Water/drowning hazard  ∠ Heavy equipment
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Trench, excavations, cave-insOverexertionYPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and fallsManual lifting	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  _ Water/drowning hazard  ∠ Heavy equipment  _ Aerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-insOverexertionYeinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and fallsManual liftingWelding/cutting	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  ∠ Water/drowning hazard  ∠ Heavy equipment  _ Aerial lifts/platforms  _ Demolition
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	Trench, excavations, cave-insOverexertionPinch pointsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  _ Water/drowning hazard  ∠ Heavy equipment  _ Aerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  ∠ Water/drowning hazard  ∠ Heavy equipment  _ Aerial lifts/platforms  _ Demolition
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Potential H&S Hazards, including apply): Chemical burns/contact  Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-insOverexertionPinch pointsOverhead Electrical hazardsElevated loadsSlips, trip and fallsManual liftingWelding/cuttingSecurity	cal and environmental (check all that  ∠ Ergonomics  _ Chemical splash  _ Poisonous plants/insects  ∠ Eye hazards/flying projectile  _ Inhalation hazard  ∠ Heat/cold stress  ∠ Water/drowning hazard  ∠ Heavy equipment  _ Aerial lifts/platforms  _ Demolition

J	(Check All That Apply):	Fire Protection	Electrical
hermal/lined ye permal/hand dearing Respiratory Reflective vests Flotation device Hard Hat	Protective Systems SlopingShoringTrench boxBarricadesCompetent personLocate buried utilitiesDaily inspectionsEntry Permits/notification  Air Monitoring	Fire Protection  Fire extinguishers Fire watch Non-spark tools Grounding/bonding Intrinsically safe equipment  Proper Equipment Aerial lift/ladders/scaffolds	Lockout/tagout Lockout/tagout Grounded Panels covered Yenels covered Yener tools/cord inspected Overhead line clearance Underground utils ID'd  Welding & Cutting Cylinders secured/capped
Harness/lanyards Adequate anchorage Guardrail system Covered opening Fixed barricades Warning system	PID/FID Detector tubes Radiation Personnel sampling LEL/O2 No visible dust Other	Forklift/heavy equipment  Backup alarms  Hand/power tools  Crane with current inspection  Proper rigging  Operator qualified	Cylinders separated/upright Flash-back arrestors No cylinders in CSE Flame retardant clothing Appropriate goggles
onfined Space Entry Isolation Air monitoring Trained personnel Permit completed Rescue	Medical/ER	Heat/Cold Stress  _ Work/rest regime  ✓ Rest area  ≼ Liquids available  _ Monitoring  ✓ Training	Vehicle/TrafficTraffic controlBarricadesFlagsSigns
Permits Hot work Confined spaceLockout/tagoutExcavationDemolitionEnergized work	Demolition  Pre-demolition survey  Structure condition  Isolate area/utilities  Competent person  Hazmat present	Inspections:  Ladders/aerial lifts  Lanyards/harness  Scaffolds  Heavy equipment  Drill rigs/geoprobe rigs  Cranes and rigging  Utilities marked	Training:  Hazwaste (current)  Construction  Competent person  Task-specific  FA/CPR  Confined Space  Hazcom
Underground Utilities Dig alert called3rd Party locaterAs-builts reviewedInterview site staffClient reviewsoft locate necessary?	Incident Communications  _Work stops until cleared by  TM/CM  _Immediate calls to TM/CM  _Client notification  _24 hour notification setup  _Clear communications	AHA's  Xreviewed and approved by HS Xon site and current 2applicable for this day's work Xcommunication and incident	

Name (Print): John Maloron Signature:

Date: 12/13

<b>Former Raritan</b>	Arsenal Health	and Saf	ety Dai	ly Sign-in Sheet
	Today	's Date:	12/12	/13

		1
	11.11111111111111111111111111111111111	
Name (printed)	Signature	Company
Brown Kenneth	200	VSAC
John Capro	M	USAE
		USAE
Jason MCCois RICH ROCALINER	The state of the s	UME
Class Rose	Chips	CHIM HILL
Dan Homess	Cu SC	NHEVA
Kery EHRHART	Just Hill	IMU
Jessie Powers	Jimis 2 Paress	NAEVA
MAMALAC	Markello	CH2117
PHIL SCHAEFFER	Tholastu for	VARGO
MIKE PONIONELLI	man	YARGO
`		
	·	
The second of th		

Former Raritan Arsenal-Marine Vessel Checklist
Today's Date: 12/12/13
Vessel Information: Anthony Miller Set Boot

Marine \	Vessel Check	dist
	Yes	N/A
Personal Flotation Devices (PFDs)		
Visual Distress Signals		
Anchor and Anchor Line		1
Sound-Producing Devices		
Navigation Lights and Shapes		
Fire Extinguishers		
Alternative Propulsion (for example, paddles)		
Overall Vessel Condition Satisfactory	V	
State Requirements		
Marine Sanitation Device		
Navigation Rules	V	
Ropes and Buoys		
First Aid Kit and Bloodborne Pathogen Kit		
Nonslip Deck		
Personnel Access Ladder		

## **CH2MHILL**

F-3: SAFE BEHAVIOR OBSERVATION FORM

Referto	, Near M	152/4148	report	for
Achtenal	details		•	

(Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)  Properly trained/qualified/experienced  Tools/equipment available and adequate  Proper use of tools  Barricades/work zone control  Housekeeping  Communication  Work Approach/Habits  Attitude  Focus/attentiveness  Pace  Uncomfortable/unsafe position  Inconvenient/unsafe location  Position/Line of fire  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Communicatic  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Communication  Charter as at enable control  Communication  Com	S	afe Beh	avior O	bservation Form		
Project Name: Rorton Arsenal Observer: J. Waldron Date: 12/12/13  Position/Title of worker ST Gruvonnertal Information/ Observed: Stand Area for Date Observed: Stand	Federal or Commercial Sector (check one) Construction or Consulting (check					
Project Name: Racrion Arsend Observer: Jualdon Date: 12/12/13  Position/Title of worker USA Environmental Observed: Surface Su	Project Number: 427946		Client/Pro	ogram: USACE Huntsville		
Position/Title of worker Surfame Surfa	Project Name: Rardon Arsenal		Observer	51.11		
Observed:  Identify and reinforce safe work practices/acts  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  Actions & Behaviors  Actions & Behaviors  At-Risk  Observations/Comments  Current & accurate Pre-Task Planning/Briefing (Project safely plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)  Properly trained/qualified/experienced  Properly trained/qualified/experienced  Tools/equipment available and adequate  Proper use of tools  Barricades/work zone control  Housekeeping  Communication  Communication  Work Approach/Habits  Attitude  Tools/equipment available and adequate  Tools/equipment available and adequate  Tools/equipment available and adequate  On Island accus. Icon and struck in product on the property of the property trained/accus. Icon and struck in product on Islands accus. Icon and struck in product on Islands and product on Islands accus. Icon and struck in product on Islands and product on Islands.  Attitude  Tools/equipment available and adequate  Observer's Corrective Actions/Comments:  Observer's Corrective Actions/Comments:  Observer's Corrective Actions/Comments:	Position/Title of worker (Sansach			Information/		
<ul> <li>Identify and improve on at-risk practices/acts</li> <li>Identify and improve on practices, conditions, controls, and compliance that eliminate or reduce hazards</li> <li>Proactive PM support facilitates eliminating/reducing hazards (do you have what you need?)</li> <li>Positive, corrective, cooperative, collaborative feedback/recommendations</li> <li>Actions &amp; Behaviors</li> <li>Safe At-Risk Observations/Comments</li> <li>Current &amp; accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)</li> <li>Property trained/qualified/experienced</li> <li>Proper use of tools</li> <li>Barricades/work zone control</li> <li>Housekeeping</li> <li>Communication</li> <li>Work Approach/Habits</li> <li>Attitude</li> <li>Focus/attentiveness</li> <li>Deserved to actions/Comments:</li> <li>Observer's Corrective Actions/Comments:</li> <li>Observer's Corrective Actions/Comments:</li> <li>Observed Worker's Corrective Actions/Comments:</li> </ul>	Task/Observation Observed:	expira	for )	metalic debris		
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)  Properly trained/qualified/experienced  Tools/equipment available and adequate  Proper use of tools  Barricades/work zone control  Housekeeping  Communication  Work Approach/Habits  Attitude  Focus/attentiveness  Pace  Uncomfortable/unsafe position  Inconvenient/unsafe location  Position/Line of fire  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Positive Observations/Safe Work Practices:  Cffective use of energy resurvers of experiency resur	<ul> <li>Identify and improve on at-risk practices/acts</li> <li>Identify and improve on practices, conditions, conditions</li> <li>Proactive PM support facilitates eliminating/reductions</li> </ul>	ntrols, and co	(do you hav	e what you need?)		
(Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)  Properly trained/qualified/experienced  Tools/equipment available and adequate  Proper use of tools  Barricades/work zone control  Housekeeping  Communication  Work Approach/Habits  Attitude  Focus/attentiveness  Pace  Uncomfortable/unsafe position  Inconvenient/unsafe location  Position/Line of fire  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Communicatic  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Communication  Charter as at enable control  Communication  Com	Actions & Behaviors	Safe	At-Risk	Observations/Comments		
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Position/Line of fire  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Observed Worker's Corrective Actions/Comments:	Pace			Crew will need additional training		
Position/Line of fire  Apparel (hair, loose clothing, jewelry)  Repetitive motion  Observed Worker's Corrective Actions/Comments:	Uncomfortable/unsafe position			and one slape on more description or lapage		
Apparel (hair, loose clothing, jewelry)  Repetitive motion  Observed Worker's Corrective Actions/Comments:	Inconvenient/unsafe location			or areas of Questionable Contitions.		
Repetitive motion Observed Worker's Corrective Actions/Comments:	Position/Line of fire					
Substitute Worker's Confective Actions/Confinents.	Apparel (hair, loose clothing, jewelry)	_				
	Repetitive motion			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

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		

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

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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:

	100
DSA 1 100	
DSA 2 100	100
DSA 3 100	100
DSA 4 (Island) 100	65
DSA 5 100	100
DSA 6 (Island) 100	0
10 <u>100</u>	100
12 <u>100</u>	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 1 McCoig, Jason		198	8
EQUIPMENT ON HAND			

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Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Miles/Hours for day (If Applicable)
Weed Eater (2)	Stihl	N/A	
Chain Saw (1)	Stihl	N/A	
Schonstedt (6)	Schonstedt	N/A	

**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.

CH2MHILL

# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	AME:	Former Raritan Arsenal		REPORT NO:		53			
CONTRACT NU	JMBER:	W912DY-09-D-0060		REPORT DATE:		1-29-14			
REVISION NUM	MBER:	1		REVISION DATE:		1-28-14			
TASK ORDER	NUMBER:	R: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ			
PROJECT NUM	MBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IANAGER: Mark Callaghan		UXO QUALITY MANAGER: Mike Malko						
Senior UXO Sup	ervisor:	r: Chris Rose			SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
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.

PAGE 1 OF 3

TAILGATE TOP	ICS: Extreme cold weather, sn	ow and safe field operations	, PPE, Hyd	ration, Sli	ps, Trips and Falls	s, Intrusive invest	tigation
SAFE BEHAVIO	R OBSERVATIONS: None for to	day.					
	Was A Job Safety Meeting Held	Γhis Date?	⊠ Yes	☐ No		OURS ON JOB SI'	
/ × \	Were there any lost-time accident (If Yes, attach copy of completed OSF		☐ Yes	⊠ No	CH2M HILL On-Si	te Hours	50
JOB	Was a Confined Space Entry Perr (If Yes, attach copy of each permit)	nit Administered This Date?	☐ Yes	⊠ No	Subcontractor On-S	ite Hours	110
JC	Were Crane/ Man-lift/ Trenching, Work/ HAZMAT Work Done?	Scaffold/ HV Electric/High	☐ Yes	⊠ No	Total On-Site Hou		160
	(If Yes, attach statement or checklist s				Cumulative Total of From Previous Repo	ort	6143
	Was Hazardous Material/Waste R (If Yes, attach description of incident a		☐ Yes	⊠ No	Total Work Hours F Construction	From Start of	6303
		OPERATIONS / PRODUC		RT			
	Employee	CH2M HIL	L		Ti41-/T1-	11	
	Employee Mike Melke	Work Performed	anai ah t		Title/Trade	Hours 10	
Io	Mike Malko onathan Waldron	QC/ Subcontractor Over Subcontractor Overs			UXOQCS SSHO	10	
30	Chris Rose	Subcontractor Overs	-		SUXOS	10	
	Andy Gascho	TEMTADS	<u> </u>		Geophysicist	10	
K	Levin Lombardo	Subcontractor Overs	ight		UXOSO	10	
		USA ENVIRONM	ENTAL				
	Employee	Work Performed			Title/Trade	Hours	
Gildea, Patrick		SUXOS		USAE		10	
Matter, Phillip Schmidt, Paul		Tech III Tech III		USAE USAE		10	
Litvjak, Andrew		Tech II		USAE USAE		10	
Coble, Richard		Tech II Tech II				10	
Massey, Kevin Bernard, Christophe	er	Tech II				10 10	
Vance, Earl		Tech II		USAE		10	
Manthey, Wayne Davis, Scott		Tech II		USAE USAE		10	
Brown, Kenneth		Tech II Tech II		USAE		10	
		EQUIPMENT ON	HAND				
Descr	ription of Equipment	Make/Model/Manufacturer	Equipme	ent ID Num	ber Ins	pection Performed By	
Job Trailer (Modsp	ace rental)	ModSpace 10'x44'	29	1159		CH2M HILL	
Generator (Sunbelt	Rental)	Ingersoll Rand G70	3411	25 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	Enter	prise Renta	l	CH2M HILL	
TEMTADS		NRL		NA		CH2M HILL	
ARGO UTV		ARGO	A	RGO 1		CH2M HILL	
		1			1		

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		TRICIDE CIPTORIC AR				
T 1/1 1 1			D TESTS PERFORMED			
Task/Activity	Inspected	Inspection Perform		,	Finding	S
Schonstedt inspection		Daily/Serviceabil	•		Pass	
GPS Equipment		Daily/Serviceabil	Function and accu	racy	Pass	
Generator		Daily/ Serviceabi	ity NA		Pass	
Fire Extinguishers		Monthly	NA		Pass	
First Aid Kit		Monthly	NA		Pass	
Field Vehicles		Daily/Weekly	NA		Pass	
TEMTADS		Daily	Function and a	ccuracy	Pass	
Site Communication / 2 Way	Radios	Daily	Radio Che	eck	Pass	
COMMENTS (acceptance s	_	WORK AND/OR TESTS AC	COMPLISHED OR IN PRO	OGRESS		
Parformed Work / Test for T		ate, PTSP, field and equipm		OKESS		
		ivestigation of anomalies in	-			
ΓEMTADS of anomalies		<u> </u>				
Planned Work / Test for Tom	norrow: Continue	with reacquisition of anoma	lies, intrusive investigation	and TEMTA	DS of DSA's	
		tion of anomalies and intrus			work and/or drawingsl.	delays to the
CHANGED CONDITIONS project attributable to site and equipment functionality als QC/QA.	S/DELAY/CONFL d weather condition so impacted by colo	tion of anomalies and intrustion of anomalies and intrustication of anomalies and anomalies and anomalies and anomalies anomalies and anomalies and anomalies anomalies and anomalies anomalies and anomalies anomalies anomalies anomalies anomalies anomalies and anomalies an	any conflicts with the projec ng battery life of TEMTAD	t [i.e., scope of v S, GPS and dat	ta tablets. Tablets and	additional
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CHANGED CONDITIONS project attributable to site and equipment functionality als QC/QA.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA	S/DELAY/CONFL d weather condition so impacted by colors:  NA NA NA NO of Tanks	ICTS ENCOUNTERED (Liss, etc.): Cold weather impact of weather. Paper dig sheets a weather. Paper dig sheets a waste ACCUMULATION/	any conflicts with the projecting battery life of TEMTAD and tablets used to track and tablets used to track and stablets used for track and stablets used for track and tablets used to track and table	t [i.e., scope of v S, GPS and dat malies investiga ECTION	ta tablets. Tablets and ated and sort through	additional entries for
CHANGED CONDITIONS project attributable to site and equipment functionality als QC/QA.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA	S/DELAY/CONFL d weather condition so impacted by colors:  NA NA NA NO of Tanks	ICTS ENCOUNTERED (Lists, etc.): Cold weather impacted weather. Paper dig sheets a weather. Paper dig sheets a waste ACCUMULATION/	any conflicts with the projecting battery life of TEMTAD and tablets used to track and tablets used to track and STOCKPILE AREA INSPIRATION OF Roll-Off Boxes:  No of Roll-Off Boxes:	t [i.e., scope of v S, GPS and dat malies investiga ECTION	ta tablets. Tablets and ated and sort through	additional entries for
CHANGED CONDITIONS project attributable to site and equipment functionality als QC/QA.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA  General Comments~ (rework	S/DELAY/CONFL d weather condition so impacted by colors:  NA  NA  NA  No of Tanks	ICTS ENCOUNTERED (Liss, etc.): Cold weather impact if weather. Paper dig sheets a weather. Paper dig sheets a waste ACCUMULATION/	any conflicts with the projecting battery life of TEMTAD and tablets used to track and tablets used to track and stablets used for track and stablets used for track and tablets used to track and table	t [i.e., scope of v S, GPS and dat malies investiga ECTION	ta tablets. Tablets and ated and sort through	additional entries for
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CHANGED CONDITIONS project attributable to site and equipment functionality als QC/QA.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected:	S/DELAY/CONFL d weather condition so impacted by colors:  NA  NA  NA  No of Tanks	ICTS ENCOUNTERED (Liss, etc.): Cold weather impact if weather. Paper dig sheets a weather. Paper dig sheets a waste ACCUMULATION/	any conflicts with the projecting battery life of TEMTAD and tablets used to track and tablets used to track and STOCKPILE AREA INSPIRATION SIGNATURE OF INSPECTOR.  No of Roll-Off Boxes:  CHMENTS	t [i.e., scope of v S, GPS and dat malies investiga ECTION	No. of Drums	additional entries for

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Project. RI/FS Former Raritan Ars	Date: 01/29/2014	
LOCATION OF WORK: DSA-2/Area	18 D (College)	
Terrestr DESCRIPTION OF WORK: (TEMTA	al Intrusive Anomaly Invest DS)	igation/Resolution
_, , _,	OG) □(P.CLOUDY) 12 °F	☐(Snow) ⊠(WINDY) MAX: 19°F.
Work completed today by subcontra  CH2M Hill's subcontractor USA Environ  application of 65 anomalian.		investigation of DSA 1 today
completing of 65 anomalies.  USAE entered the missing data for tran sheets into MRSIMS.	sects DSA-2 Transect 1 and	d Transect 2 from paper dig
CH2M Hill collected TEMTADS data on	26 targets in DSA 2.	
2. Work completed today by QC inspec	ction staff :	
Monitored work practices and procedure	es of the intrusive investigat	ion teams.
Performed QC inspection of completed 61.		
3. All work performed in conformance w	ith Work Plan requirements	? Yes
If not, explain:		
4. Non-conformances/deficiencies repo	rted:	
5. Comments:		
correc identif knowl	IFICATION: I certify that the a st and that I, or my representat ied on this report and have deedge and belief that noted wor ork plans and specifications, e	ive, have inspected all work termined to the best of my k activities are in compliance

Project QC Specialist

Michala Milko

above.



## CH2MHILL

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

Date: //29//4	Location:	
7 70 0		
	Tuesthation, TEMTADS	
Activity. 17 to 100 17	westigation, TEMTADS	
Attendees: Print N	Name	Sign Name
\$	Ottobal I	
- R	TITTOCARES	
	cable AHAs have been reviewed:	101 6.
Latrusive Investig	eth, TEMTADS, Ge	neral SHE Solety + Soun
UXO-MEC Stell	7	
T1-/C	Tasks (ladder - FF 11 5 W	
10015/Equipment Required for	lasks lianners scattoids tall protoc	tion cranas/rissis - L - ·
power tools):	rasks (ladders, scarfolds, fall protec	tion, cranes/rigging, heavy equipment
power tools):		
power tools):  Nend + Power too	S RTK GPS, W	
power tools):  Next + Power too		
hend + Power to	ds, RTK GPS, W	ShirkS XLT, TEMTAD:
Potential H&S Hazards, including	ds, RTK GPS, W	
Potential H&S Hazards, including apply):	ds, RTK GPS, W	ShirkS XLT, TEMTAD:
Potential H&S Hazards, including apply): Chemical burns/contact	ds, RTK GPS, W	ShirkS XLT, TEMTAD:
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipment	ng chemical, physical, safety, biologi	Ships XIT TEMTAD s ical and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns	ng chemical, physical, safety, biological — Trench, excavations, cave-ins	Shifes XIT TEMTAD s ical and environmental (check all that  Ergonomics
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	ng chemical, physical, safety, biologi Trench, excavations, cave-ins	Ships XII TEMTAD s ical and environmental (check all that    Ergonomics   Chemical splash
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	ical and environmental (check all that    X Ergonomics   Chemical splash   Poisonous plants/insects
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	ng chemical, physical, safety, biologi  Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions	Ical and environmental (check all that    Ergonomics   Chemical splash   Poisonous plants/insects     Eye hazards/flying projectile
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	Ical and environmental (check all that    Legonomics   Chemical splash   Poisonous plants/insects   Eye hazards/flying projectile   Inhalation hazard   Heat/cold stress
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	ical and environmental (check all that    Ergonomics   Chemical splash   Poisonous plants/insects     Eye hazards/flying projectile   Inhalation hazard     Heat/cold stress   Water/drowning hazard
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ical and environmental (check all that    Legonomics     Chemical splash     Poisonous plants/insects     Eye hazards/flying projectile     Inhalation hazard     Heat/cold stress     Water/drowning hazard     Heavy equipment
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical  X_Weather conditions Heights/fall > 6 feet Noise Explosion/fire	mg chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical, safety, biological physical	TEMTAD s  ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical  XWeather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ical and environmental (check all that    Legonomics     Chemical splash     Poisonous plants/insects     Eye hazards/flying projectile     Inhalation hazard     Heat/cold stress     Water/drowning hazard     Heavy equipment     Aerial lifts/platforms     Demolition     Demolition
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical  XWeather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	TEMTAD s  ical and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical  XWeather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ical and environmental (check all that    Legonomics     Chemical splash     Poisonous plants/insects     Eye hazards/flying projectile     Inhalation hazard     Heat/cold stress     Water/drowning hazard     Heavy equipment     Aerial lifts/platforms     Demolition     Demolition
Potential H&S Hazards, including apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry	ng chemical, physical, safety, biological physical, safety, biological physical, safety, biological physical ph	Ical and environmental (check all that    Legonomics     Chemical splash     Poisonous plants/insects     Eye hazards/flying projectile     Inhalation hazard     Heat/cold stress     Water/drowning hazard     Heavy equipment     Aerial lifts/platforms     Demolition     Demolition
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lazard Control Measur	es (Check All That Apply):		
PE	Protective Systems	Fire Protection	Electrical
	Sloping	★ Fire extinguishers	Lockout/tagout
∠Eye	Shoring	Fire watch	∠ Grounded
∠Dermal/hand	Trench box	Non-spark tools	> Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	✓Competent person	Intrinsically safe equipment	Y Power tools/cord inspected
Reflective vests	Locate buried utilities	mainsidany sare equipment	Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
		Aerial lift/ladders/scaffolds	Cylinders secured/capped
Harness/lanyards	PID/FID		
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
_ Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
_ Fixed barricades	_LEL/O2	Crane with current inspection	— Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	✓ Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	✓ Work/rest regime	Traffic control
Air monitoring	Eye wash	✓ Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	✓ Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	∠ Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	
Excavation	Competent person	∠ Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	∠ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
	Work stops until cleared by	reviewed and approved by HSM	
Dig alert called 3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM		
As-builts reviewed Interview site staff	Client notification	Zapplicable for this day's work	داد اد
Interview site staff Client review	24 hour notification setup	∠Communication and incident pro	cesses included?
	Clear communications		
_soft locate necessary?	7.5150. 5511		
Field Notes (including	observations from prior day,	etc.):	
Held Hotes (meldanis			
Tield Notes (including			
Tield Woles (medding			
Tield Notes (meldanig			

Signature:\_

	Today's Date: \ 2	1/14
Name (printed)	Signature	Company
natho Waldren	TalNulden	CHZM
L'i Rose	Ch B	PHZM
PICH COBLE	and flet	USAE
Paul Schmidt	MI Q IS	USAE
Earl & Vance	TIRLE	USAE
Scott DAU'S	Salugh	1,5,8€
HRIS GERNARD	All -	USAE
Inch Literal	Amly Letrick	USAE
Gildea	Herlings	USAE
mmett HOPKINS	enth	USACF
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lassey, Kevin	12	USAE
Matter Phil	the man //	USFAF
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# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	AME:	Former Raritan Arsenal		REPORT NO:		054			
CONTRACT NU	JMBER:	W912DY-09-D-0060		REPORT DATE:		1-30-14			
REVISION NUM	MBER:	1		REVISION DATE:		1-28-14			
TASK ORDER N	ASK ORDER NUMBER: 003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ		
PROJECT NUM	JMBER: 427946		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	Γ MANAGER: Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko				
Senior UXO Sup	enior UXO Supervisor: Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron			
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

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.

SAFE BEHAVIO	R OBSERVATIONS: TEMTAD	S (attached to report)					
	Was A Job Safety Meeting Held	This Date?	⊠ Yes	☐ No	TOTAL WORK H DATE (Include	OURS ON JOB SI ling Continuation SI	
	Were there any lost-time accider (If Yes, attach copy of completed OS	nts this date? GHA report)	☐ Yes	⊠ No	CH2M HILL On-Si	te Hours	40
JOB	Was a Confined Space Entry Per (If Yes, attach copy of each permit)	rmit Administered This Date?	☐ Yes	⊠ No	Subcontractor On-S	ite Hours	110
JC AF	Were Crane/ Man-lift/ Trenching	g/ Scaffold/ HV Electric/High		⊠ No	Total On-Site Hou	rs This Date	150
	Work/ HAZMAT Work Done? (If Yes, attach statement or checklist	showing inspection performed)			Cumulative Total of From Previous Rep		6293
	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)				Total Work Hours I Construction	From Start of	6453
		OPERATIONS / PRODUC	TION REPO	RT	•		
		CH2M HIL					
	Employee	Work Performed			Title/Trade	Hours	
	Mike Malko	QC/ Subcontractor Ove			UXOQCS	10	
	anathan Waldron Andy Gascho	Subcontractor Overs TEMTADS	ight	+	SSHO	10	
	Andy Gascho Levin Lombardo	Subcontractor Overs	ight		Geophysicist UXOSO	10	
K	CVIII LOIIIDAIGO	Subcontractor Overs	ignt		0.7030		
		USA ENVIRONM	ENTAL				
	Г. 1	1		1	T'(1 /T - 1	11	
	Employee Gildea, Patrick	Work Performed SUXOS		Title/Trade USAE		Hours 10	
	Matter, Phillip	Tech III		USAE		10	
	Schmidt, Paul	Tech III		USAE USAE		10	
	itvjak, Andrew Coble, Richard	Tech II Tech II				10	
]	Massey, Kevin	Tech II	USAE USAE		<u>.</u>	10	
Ber	rnard, Christopher Vance, Earl	Tech II Tech II		USAE USAE		10	
N	Manthey, Wayne	Tech II		USAE		10	
	Davis, Scott	Tech II		USAE		10	
Е	Brown, Kenneth	Tech II		USAE	<u> </u>	10	
		EQUIPMENT ON	HAND			1	
Desc	ription of Equipment	Make/Model/Manufacturer	Equipme	nt ID Num	nber Ins	pection Performed I	Зу
Job Trailer (Modsp	ace rental)	ModSpace 10'x44'	291	1159		CH2M HILL	
Generator (Sunbelt	Rental)	Ingersoll Rand G70	34112	25 PC-545	;	CH2M HILL	
2-Way Radios (7)		Motorola PR 400		NA		CH2M HILL	
Metal detector		Schonsted		NA		CH2M HILL	
GPS Equipment		Trimble	F	Rental		CH2M HILL	
Rental vehicles (5)		Enterprise Vehicle Rentals	Enterp	orise Renta	.1	CH2M HILL	
TEMTADS		NRL		NA		CH2M HILL	
ARGO UTV		ARGO	A	RGO 1		CH2M HILL	
		DIGDECTIONS	o person	TED.			
Tr. I	r/A ativity Inc t - J	INSPECTIONS AND TEST	ı			Ein Jin	
Schonstedt inspecti	x/Activity Inspected	Inspection Performed  Daily/Serviceability		Tests C Check		Findings Pass	
Benonsteat Hispecti	VII	Daily/Sciviceaulilly	ı QC	CHUCK	1	r ass	

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GPS Equipm	ient		Daily/Serviceability	Function and accu	ıracy	Pass		
Generator			Daily/ Serviceability	NA		Pass		
Fire Extingui	ishers		Monthly	NA		Pass		
First Aid Kit			Monthly	NA				
Field Vehicle	es		Daily/Weekly	NA				
TEMTADS			Daily	Function and a	ccuracy	Pass Pass		
	nication / 2 Way	Radios	Daily	Radio Ch		Pass		
COMMENT	ΓS (acceptance	status, inspection f	indings, etc.): None					
		1	WORK AND/OR TESTS ACCO	MPLISHED OR IN PRO	OGRESS			
Performed W	/ork / Test for Te	oday: Daily Tailga	nte, PTSP, field and equipmen	t inspections.				
_			vestigation of anomalies in D	SA#1				
ΓEMTADS	of anomalies	in DSA#2						
Planned Wor	k / Test for Tom	norrow: Continue v	with reacquisition of anomalie	s, intrusive investigation	n and TEMTA	DS of DSA#5		
	1 /T / C N	. W. 1. D	tion of anomalies and intrusiv					
Planned Worl								
	CONDITIONS	S/DELAY/CONFL	ICTS ENCOUNTERED (List a	y conflicts with the projec	et [i.e., scope of v	work and/or drawings],	delays to the	
CHANGED project attribu	utable to site and	d weather condition	ICTS ENCOUNTERED (List a s, etc.): Cold weather impacting	battery life of TEMTAD	S, GPS and dat	ta tablets. Tablets and	l additional	
CHANGED project attribu equipment fu	utable to site and	d weather condition	ICTS ENCOUNTERED (List a s, etc.): Cold weather impacting I weather. Paper dig sheets and	battery life of TEMTAD	S, GPS and dat	ta tablets. Tablets and	l additional	
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CHANGED project attribute equipment for QC/QA.  VISITORS A  Inspection Period Accumulation Stockpile Are No of Containers: Inspection Reference of Containers: Inspection Reference of Containers:	utable to site and functionality als  AND DISCUSS  erformed By: n / ea Inspected: NA  esults: NA	NA No of Tanks	s, etc.): Cold weather impacting I weather. Paper dig sheets and WASTE ACCUMULATION/ST	Dattery life of TEMTAD tablets used to track and OCKPILE AREA INSPI Signature of Inspector: No of Roll-Off Boxes:	S, GPS and dat malies investigated by the second se	ta tablets. Tablets and sted and sort through	l additional entries for	
CHANGED project attribute equipment for QC/QA.  VISITORS A  Inspection Period Accumulation Stockpile Are No of Containers: Inspection Reference of Containers: Inspection Reference of Containers:	utable to site and functionality als  AND DISCUSS  erformed By: n / ea Inspected: NA  esults: NA	NA NO of Tanks  A, directives, etc.):	s, etc.): Cold weather impacting I weather. Paper dig sheets and WASTE ACCUMULATION/ST	Dattery life of TEMTAD tablets used to track and tablets used to track and OCKPILE AREA INSPI Signature of Inspector: No of Roll-Off Boxes: COMMENTS	S, GPS and dat malies investigated by the second se	ta tablets. Tablets and sted and sort through	additional entries for	
CHANGED project attribute equipment for QC/QA.  VISITORS A  Inspection Period Accumulation Stockpile Are No of Containers: Inspection Reference of Containers: Inspection Reference of Containers:	utable to site and functionality als  AND DISCUSS  erformed By: n / ea Inspected: NA  esults: NA	NA NO of Tanks  A, directives, etc.):	s, etc.): Cold weather impacting I weather. Paper dig sheets and WASTE ACCUMULATION/ST	Dattery life of TEMTAD tablets used to track and OCKPILE AREA INSPI Signature of Inspector: No of Roll-Off Boxes:  COMMENTS  Chris Rose	S, GPS and dat malies investigated by the second se	No. of Drums	l additional entries for	
CHANGED project attribute equipment for QC/QA.  VISITORS A  Inspection Period Accumulation Stockpile Are No of Containers:  Inspection Reference of Containers:  Inspection Reference of Containers:	utable to site and functionality als  AND DISCUSS  erformed By: n / ea Inspected: NA  esults: NA	NA NA No of Tanks	s, etc.): Cold weather impacting I weather. Paper dig sheets and WASTE ACCUMULATION/ST	Dattery life of TEMTAD tablets used to track and tablets used to track and OCKPILE AREA INSPI Signature of Inspector: No of Roll-Off Boxes: COMMENTS	S, GPS and dat malies investigated by the state of the st	No. of Drums	NA NA	

PAGE 3 OF 3 F-448

#### DAILY QC REPORT

Project. RI/FS Former Raritan Arsenal Date: 01/30/2014								
LOCATION O	F WORK: DSA	M#1 and DSA#2						
DESCRIPTIO	N OF WORK:		ive Anomaly Reaco		vestigation			
WEATHER: TEMPERATU		□(FOG) MIN: <u>12</u> °F	□(P.CLOUDY)	□(Snow) MAX: <u>28</u> °F.	⊠(WINDY)			
1. Work com	pleted today by s	ubcontractor:						
			continues with the in 122 targets investig		gation of DSA			
	lected TEMTADS argets in DSA#2	data on 6 target	s in DSA 2. This co	ompletes the Ti	EMTADS			
2. Work com	pleted today by C	C inspection sta	ff:					
Monitored wo	rk practices and բ	procedures of the	intrusive investigat	ion teams.				
Performed QC EM 61.	C inspection of co	mpleted anomali	es in DSA #1 and v	erified all no co	ontacts with			
		mance with Work	Plan requirements	? Yes				
If not, explain:								
4. Non-confor	mances/deficienc	cies 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: 01-3	0-2014	
Contractor:	CH2M Hill	
Project:	RI/FS Former Raritan Arsenal	
	ES; N=NO; SEE REMARKS T APPLICABLE	
	IPLIES WITH WORK PLAN AS 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.
, and good a
Additional work is needed in DSA#2.
Additional work is needed in DOA#2.

Michala Mille

01-30-2014

Project QC Specialist

Date



## CH2WHILL

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

Supervisor: C. Kose Activity: Totalis T	Location: Sob	3(30)	
Attendees: Print	Name O	Sign Name	
- 001	Mecha		
List Tacks and varify that and	inchia dila d		
Todosch & Todosch	icable AHAs have been reviewed:		
LATIZINE TOURS	ention, EINTADS, KOIK	GPS reacgus oronalis	23
		C	
Tools/Equipment Required for	r Tasks (ladders, scaffolds, fall prote	ction, cranes/rigging, heavy equipm	
		ection, cranes/rigging, heavy equipm	ent,
RTK GRO TEMPAR	s, had the tols		
- Gio Helling	1) MA + 1/1 P- 4-113		
	1 Harri Marie Los		
	) Franci III was love		
		gical and environmental (check all th	
Potential H&S Hazards, includi apply):		rical and environmental (check all th	at
Potential H&S Hazards, includi apply):Chemical burns/contact	ng chemical, physical, safety, biolog		at
Potential H&S Hazards, includi apply):		∡Ergonomics	at
Potential H&S Hazards, includi apply):Chemical burns/contact	ing chemical, physical, safety, biolog Trench, excavations, cave-ins  ∠ Overexertion	∠Ergonomics _ Chemical splash	at
Potential H&S Hazards, includi apply): Chemical_burns/contact Pressurized lines/equipment	Trench, excavations, cave-ins  Overexertion  Pinch points		at
Potential H&S Hazards, includi apply): Chemical burns/contact Pressurized lines/equipmentThermal burns	ing chemical, physical, safety, biolog Trench, excavations, cave-ins  ★_Overexertion  ★_Pinch points  ★_Cuts/abrasions		at
Potential H&S Hazards, includi apply): Chemical burns/contact  _Pressurized lines/equipment  _ Thermal burns _ Electrical	mg chemical, physical, safety, biolog Trench, excavations, cave-ins  X_Overexertion X_Pinch points X_Cuts/abrasionsSpills		at
Potential H&S Hazards, includi apply): Chemical burns/contact  _ Pressurized lines/equipment  _ Thermal burns  _ Electrical	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazards		at
Potential H&S Hazards, includi apply): Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet	mg chemical, physical, safety, biolog Trench, excavations, cave-ins  X_Overexertion X_Pinch points X_Cuts/abrasionsSpillsOverhead Electrical hazardsElevated loads		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and falls		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet K NoiseExplosion/fireRadiation	mg chemical, physical, safety, biolog Trench, excavations, cave-ins  X_Overexertion  X_Pinch points  X_Cuts/abrasions spills Overhead Electrical hazards Elevated loads  X_Slips, trip and falls  X_Manual lifting		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entry	ing chemical, physical, safety, biolog Trench, excavations, cave-ins  Overexertion  Pinch points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting	∠Ergonomics     Chemical splash     Poisonous plants/insects     ∠ Eye hazards/flying projectile     Inhalation hazard     ∠ Heat/cold stress     ∠ Water/drowning hazard	at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsElevated loadsSlips, trip and fallsWalding/cutting		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entry	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsElevated loadsSlips, trip and fallsWalding/cutting	∠Ergonomics     Chemical splash     Poisonous plants/insects     ∠ Eye hazards/flying projectile     Inhalation hazard     ∠ Heat/cold stress     ∠ Water/drowning hazard     ∠ Heavy equipment     Aerial lifts/platforms	at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsWanual liftingWelding/cuttingSecurity be):		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsElevated loadsSlips, trip and fallsWalding/cutting		at
Potential H&S Hazards, includi apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical Weather conditionsHeights/fall > 6 feet NoiseExplosion/fireRadiationConfined space entryUnderground Utilities	Trench, excavations, cave-insTrench, excavations, cave-insOverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsSlips, trip and fallsWanual liftingWelding/cuttingSecurity be):		at

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems -	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
<u>×</u> Eye	Shoring	Fire watch	/Grounded
<u>X</u> Dermal/hand	Trench box	Non-spark tools	ZPanels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	× Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		Onderground dais ib d
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	∠Operator qualified	Appropriate goggies
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	_ Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	∠ Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	/Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person		
Demolition	Hazmat present	Drill rigs/geoprobe rigs	ZFA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA' s	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
Olg aleit Called 3rd Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	Zapplicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	cesses included?
Client review	24 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including of	observations from prior day, e	etc.): yak-trucks pou	ded to teans for
1-1-000			
	1 1 1 11		

Name (Print): Sorthon Walden
Signature: The Walden

Date: ((30/15)

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet  Today's Date:   3   4							
Name (printed)	Signature	Company					
Jon Waldra Parl Schmilt	J. Wall	CHZM					
Phil Matter	The real of	USOFA Enviro.					
Wayng Manthey	my Margh	CH2M ushe					
Andy Literack	Sandy Lutrah	USACE					
Pataildea Scott DAVIS	Phylotice	USAE					
CHRIS BERNARD For ( 1 Vance	400	USAE					
Massey, Kevin	Jan 1	USAE					
Kerai homboodo	to fully	USAE <hzm kill<="" td=""></hzm>					

## CH2MHILL

	Safe F	Rehavio	or Observation Form	
	Oaic L	Chavio	or observation rollin	Γ
Project Number: 427 946		Client	/Program: USACOE 385-1-1	Øcci □inc
Project Name: RANTAN Ausen	14	Obser	ver. Lombarlo Kerni	Date: 12-30-14
Position/Title of SUXOS worker observed: Tem TAb.	S		Information/ comments: Geophysical	Detection
Task/Observation Tem T	ABS	IV		ed-up
Task/Observation Tem T Observed: OF RTK 6	-PS	BAS	estation & Lover	
<ul> <li>Identify and reinforce safe work</li> <li>Identify and improve on at-risk</li> <li>Identify and improve on practic</li> </ul>	c practices practices es, cond s elimina	es/behaves/acts itions, c ting/red	viors ontrols, and compliance that eliminate outing hazards (do you have what you ne	
Actions & Behaviors	Safe	At- Risk	Observations/Comm	ents
Current & accurate Pre-Task			Positive Observations/Safe Work P	
Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	V		TemTADS operation use of	great come
Properly trained/qualified/experienced	/		IN AMBELRY EQ AND OF TO WORK Connections - I IN LIFTING UNIT IN East OF	WAS care Ful
Tools/equipment available and adequate	/	1	use good lift Technique	TRUCK.
Proper use of tools	V		Questionable Activity/Unsafe Cond	ition Observed:
Barricades/work zone control	NA		None	
Housekeeping	V		,,,,,	
Communication	V			
Work Approach/Habits	V			
Attitude	/			
Focus/attentiveness	V		Observer's Corrective Actions/Com	ments:
Pace	V		MA	
Uncomfortable/unsafe position	NO		7-1	
Inconvenient/unsafe location	NO			
Position/Line of fire	NO			
Apparel (hair, loose clothing, jewelry)	or			
Repetitive motion	V		Observed Worker's Corrective Action	ons/Comments:

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

Tem TADS openations was Professional & IMPNESSIVE (LIMPNESSIVE)

Other...



# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	CONTRACT NAME: Former Raritan Arsenal		REPORT NO:		055				
CONTRACT NUMBER: W912DY-09-D-0060		REPORT DATE:		1-31-14					
REVISION NUM	REVISION NUMBER: 1		REVISION DATE:		1-28-14				
TASK ORDER	TASK ORDER NUMBER: 003			PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ	
PROJECT NUM	PROJECT NUMBER: 427946		27946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MAN	NAGER:	Mark C	rk Callaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	ETY 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

Builling 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.

SAFE BEHAVIO	R OBSERVATIONS: None fo	r today.					
	Was A Job Safety Meeting He	eld This Date?	⊠ Yes	□ No		HOURS ON JOB SI	
	Were there any lost-time acci		☐ Yes	⊠ No	CH2M HILL On-		50
JOB	(If Yes, attach copy of completed Was a Confined Space Entry	Permit Administered This Date?	☐ Yes	⊠ No	Subcontractor On	-Site Hours	110
	(If Yes, attach copy of each permi	ning/ Scaffold/ HV Electric/High			Total On-Site Ho	ours This Date	160
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Work/ HAZMAT Work Done		☐ Yes	⊠ No	Cumulative Total From Previous Re	of Work Hours	6,456
	Was Hazardous Material/Was (If Yes, attach description of incid	ste Released into the Environment?	☐ Yes	⊠ No	Total Work Hours		6,613
	(if Tes, attach description of filed	OPERATIONS / PRODUC	TION REPOI	RT	Construction		
		CH2M HIL					
	Employee	Work Performed			Title/Trade	Hours	
	Mike Malko	QC/ Subcontractor Ove	ersight		UXOOCS	12	
Jo	onathan Waldron	Subcontractor Oversi			SSHO	11	
	Andy Gascho	TEMTADS	igni		Geophysicist	12	
	Kevin Lombardo	Subcontractor Overs	ight		UXOSO	10	
			<u> </u>				
		USA ENVIRONM	ENTAL				
	Employee	Work Performed			Title/Trade	Hours	
	Gildea, Patrick	SUXOS		USAE		10	
	Matter, Phillip	Tech III		USAE		10	
	Schmidt, Paul itvjak, Andrew	Tech III Tech II		USAE USAE		10	
	Coble, Richard	Tech II		USAE		10	
	Massey, Kevin	Tech II		USAE		10	
Ber	rnard, Christopher Vance, Earl	Tech II Tech II		USAE USAE		10	
N	Manthey, Wayne	Tech II		USAE		10	
	Davis, Scott	Tech II		USAE		10	
E	Brown, Kenneth	Tech II		USAE		10	
		EQUIPMENT ON	HAND				
Desc	ription of Equipment	Make/Model/Manufacturer	Equipmer	nt ID Num	ber I	nspection Performed E	Ву
Job Trailer (Modsp	pace rental)	ModSpace 10'x44'	291	159		CH2M HILL	
Generator (Sunbelt	Rental)	Ingersoll Rand G70	34112	5 PC-545		CH2M HILL	
2-Way Radios (7)		Motorola PR 400		NA		CH2M HILL	
Metal detector		Schonsted		NA	CH2M HILL		
GPS Equipment		Trimble	R	tental	CH2M HILL		
Rental vehicles (5)		Enterprise Vehicle Rentals	Enterp	rise Renta	al CH2M HILL		
TEMTADS		NRL		NA		CH2M HILL	
ARGO UTV		ARGO	AF	RGO 1		CH2M HILL	
		INSPECTIONS AND TEST	S PERFORM	ED	<u> </u>		
	k/Activity Inspected	Inspection Performed		Γests		Findings	
Schonetadt inchacti	ion	Daily/Sarviceability	00	Chack		Dage	

GPS Equipm	ent		Daily/Serviceability	Function and accu	ıracy	Pass	
Generator			Daily/ Serviceability	NA		Pass	
Fire Extingui	shers		Monthly	NA		Pass	
First Aid Kit			Monthly	NA		Pass	
Field Vehicle	es		Daily/Weekly	NA		Pass	
ΓΕΜΤΑDS			Daily	Function and a	ccuracy	Pass	
Site Commur	nication / 2 Way	Radios	Daily	Radio Ch	eck	Pass	_
COMMENT	'S (acceptance s	status, inspection f	ndings, etc.): None				
		V	VORK AND/OR TESTS ACCOM	APLISHED OR IN PRO	OGRESS		
			te, PTSP, field and equipment	-			
-			vestigation of anomalies in DS				
			ea 18 D (college) to redo target				
Planned Wor	k / Test for Tom	norrow: None. 3 da	y break. Return to work on Tu	esday, 2-4-14			
			CTS ENCOUNTERED (List any				delays to the
project attribi		d weather condition	CTS ENCOUNTERED (List any s, etc.): Recollect TEMTADS dat				delays to the
project attribi	utable to site and	d weather condition		a in Area 18D for select	ed anomalies w		delays to the
project attrib	utable to site and	d weather condition	s, etc.): Recollect TEMTADS dat	a in Area 18D for select	ed anomalies w		delays to the
project attrib	AND DISCUSS	d weather condition	vaste accumulation/sto	a in Area 18D for select	ed anomalies w		delays to the
project attribi	AND DISCUSS  erformed By:	d weather condition	vaste accumulation/sto	a in Area 18D for select	ed anomalies w		delays to the
VISITORS A  Inspection Pe Accumulation	AND DISCUSS  erformed By:	SIONS:	yaste accumulation/sto	a in Area 18D for select	ed anomalies w		delays to the
VISITORS A  Inspection Pe Accumulation Stockpile Are No of Containers:	AND DISCUSS  prformed By:  n / pa Inspected:  NA	NA NA	yaste accumulation/sto	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Pe Accumulation Stockpile Are No of Containers:	AND DISCUSS  prformed By:  n / pa Inspected:  NA	NA NA	VASTE ACCUMULATION/STO	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Pe Accumulation Stockpile Are No of Containers: Inspection Re	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA	NA NA NO of Tanks	yaste accumulation/sto	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Pe Accumulation Stockpile Are No of Containers: Inspection Re	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA	NA NA	VASTE ACCUMULATION/STO	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Pe Accumulation Stockpile Are No of Containers: Inspection Re	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA	NA NA NO of Tanks	VASTE ACCUMULATION/STO	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Per Accumulation Stockpile Are No of Containers: Inspection Re	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA  ments~ (rework	NA NA NO of Tanks	NA GENERAL C	OCKPILE AREA INSPI	ed anomalies w	ith poor data values.	
VISITORS A  Inspection Per Accumulation Stockpile Are No of Containers: Inspection Re	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA  ments~ (rework	NA NO of Tanks  A, directives, etc.):	NA GENERAL C	OCKPILE AREA INSPI	ed anomalies w	No. of Drums	NA
Inspection Per Accumulation Stockpile Are Containers: Inspection Ref	AND DISCUSS  erformed By:  n / ea Inspected:  NA  esults: NA  ments~ (rework	NA NO of Tanks  A, directives, etc.):	NA GENERAL C	OCKPILE AREA INSPI Signature of Inspector: No of Roll-Off Boxes:	ed anomalies w	No. of Drums	

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Project.	roject. RI/FS Former Raritan Arsenal Date: 01/31/2014			2014	
LOCATION (	DF WORK: DSA	A-2, DSA 1, DSA	. 5, Area 18D		
DESCRIPTION	ON OF WORK:		equisition/Intrusive A	•	
WEATHER:	⊠(CLEAR)	□(FOG)	□(P.CLOUDY)	☐(Snow)	$\boxtimes$ (WINDY)
TEMPERATI	JRE:	MIN: <u>28</u> °F		MAX: <u>33</u> °F.	
	npleted today by s				
			continued the intrus 151 targets of 208 i		on of DSA 1
today to repla anomalies we data in the M To date a total	ace those which were selected by the RSIMS and was f	ere previously see UXOQC for reicound on an analog Have been map	investigated an addelected but were un nvestigation. Twelv og dig sheet and su oped with TEMTAD	derwater. An a e anomalies we bmitted for re-e	additional 2 ere missing entry.
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 con	npleted today by C	QC inspection sta	aff:		
			e intrusive investiga ies in DSA 1 and ve		ntacts with EM
3. All work pe	erformed in confor	mance with Worl	k Plan requirements	s? Yes	
If not, explain	n:				
4 Non confo	rmances/deficienc	vice reported:			
4. NOH-COMO	imances/denoiend	лез теропец.			
5. Comments	3:				

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

Michala Milka

Project QC Specialist

MAY 2021

## 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	
	YES; N=NO; SEE REMARKS	

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)



01-30-2014

Project QC Specialist Date



## **CH2MHILL**

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

Project: Date: /31/14	Location: 🗟	1501, NJ
1 0 0		
Supervisor: C. Kose	Job	
Activity: Intersect	vestigatin, TEMTADS	
Attendees: Print	Name	Sign Name
500 111 1	<u> </u>	
- 300 Attacl	-eel	
List Tasks and verify that appli	cable AHAs have been reviewed:	
Lateria Investal	other, Reacquith of Ano	Malles, TEMTADS
		,
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipment,
power tools):	, councide, run protect	tion, cranes/rigging, neavy equipment,
Mini excessitor P	TKGPS Argo, St	A IN TEMTANS
	11 dis 14 ds 2	susteett, ILI I'M
Potential H&S Hazards, including	ng chemical physical activities	
apply):	, safety, biologic	cal and environmental (check all that
Chemical burns/contact	Transl	
Pressurized lines/equipment	Trench, excavations, cave-ins	Ergonomics
Thermal burns	× Overexertion	Chemical splash
Electrical	¥ Pinch points	Poisonous plants/insects
X Weather conditions	Cuts/abrasions	Eye hazards/flying projectile
Heights/fall > 6 feet	Spills	Inhalation hazard
× Noise	Overhead Electrical hazards	Heat/cold stress
Explosion/fire	Elevated loads	Water/drowning hazard
Radiation	Slips, trip and falls	Heavy equipment
Confined space entry	Manual lifting	Aerial lifts/platforms
	Welding/cutting	Demolition
Underground Utilities Other Potential Hazards (Dec.)	Security	Poor communications
Other Potential Hazards (Descri	be):	
TOTOTIM ONO -	INEC	

PE	Protective Systems	Siza Protocrios	Telepolitation and the second
		Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
_Dermal/hand	Trench box	Non-spark tools	Panels covered
_ Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
_ Flotation device			Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
_ Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
_Covered opening	Personnel sampling	∠Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	_Other	X Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Ztiquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
	-   Noute to mospital	Training	
Rescue			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts .	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	★ Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	★ Competent person
Excavation	Competent person	Heavy equipment	★ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	∠FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	≥ Hazcom
Underground Utilities	Incident Communications	AHA' s	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	Ton site and current	
As-builts reviewed	Immediate calls to TM/CM	Tapplicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	124 hour notification setup		
soft locate necessary?	Clear communications		
Field Notes (including	observations from prior day,	etc.):	

Name (Print): The Warden

Date: 1/31/14

	Today's Date: 3	
Name (printed)	Signature	Company
Ph. Imatter	Pho-3	USAFA Enviro
RICH COBLE	(DDA/C)	USAE
HHIS BERNARD	·	USAE
vayne manthey	and Maridy	ushe
Paul Schmidt	11111	USAE
or R Une	ESPCI	USAE
lassey. Kevin	Res	USAE
Boot DAVIS	Swins -	4848
PC114ea	Phildre	USAE
inda Litual	Anne Cathrale	USAF
HOPKINS	Cat is	USACE
MANIACHE	CHIZM	CHam
×		

CH2MHILL

# CH2M HILL DAILY PRODUCTION REPORT

							•		
CONTRACT NAME: Former Raritan Arsena		Raritan Arsenal		REPORT NO:		056			
CONTRACT NU	JMBER:	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: 42794		427946	27946		PROJECT DESCRIPTION:		Remedial Investigation		
PROJECT MANAGER: Mark C		Mark Ca	Iark Callaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Supervisor:		Kevin L	ombardo	SITE HEALTH & SAFETY OFFICER:		& SAFETY	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.

PAGE 1 OF 3

	ICS: Safe field operations, PP now fall covering areas.	E, Hydration, Slips, Trips an	d Falls, Intr	usive inv	estigatio	on safety. F	ooting and tracti	on
SAFE BEHAVIO	R OBSERVATIONS: None for to	day.						
	Was A Job Safety Meeting Held	This Date?	⊠ Yes	☐ No			OURS ON JOB SI'ng Continuation Sh	
/ >	Were there any lost-time accident (If Yes, attach copy of completed OSE	ts this date? HA report)	☐ Yes	⊠ No	CH2M	HILL On-Site	e Hours	30
JOB	Was a Confined Space Entry Perr (If Yes, attach copy of each permit)	nit Administered This Date?	☐ Yes	⊠ No	Subcon	tractor On-Si	te Hours	110
JoSAH	Were Crane/ Man-lift/ Trenching Work/ HAZMAT Work Done?	_	☐ Yes	⊠ No	Total On-Site Hours This Date  Cumulative Total of Work Hours			140
	(If Yes, attach statement or checklist s Was Hazardous Material/Waste F	Released into the Environment?	☐ Yes	⊠ No	From P Total W	<i>revious Repo</i> Vork Hours Fr	rt	6,596
	(If Yes, attach description of incident	OPERATIONS / PRODUC			Constru	iction		
		CH2M HIL						
	Employee	Work Performed			Title/Tr	ade	Hours	
	Mike Malko	QC/ Subcontractor Ove	ersight		UXOQ	CS	10	
Jo	nathan Waldron	Subcontractor Overs			SSHO		10	
K	evin Lombardo	Senior UXO Superv	isor		SUXC	S	10	
		USA ENVIRONM	ENTAL					
	Employee	Work Performed			Title/Tr	ade	Hours	
	Gildea, Patrick	SUXOS		USAE			10	
	Matter, Phillip Schmidt, Paul	Tech III Tech III		USAE USAE			10 10	
	itvjak, Andrew	Tech II		USAE			10	
	Coble, Richard	Tech II		USAE			10	
	Massey, Kevin nard, Christopher	Tech II Tech II		USAE USAE			10 10	
	Vance, Earl	Tech II		USAE	USAE		10	
M	Ianthey, Wayne	Tech II Tech II			USAE USAE		10	
В	Davis, Scott rown, Kenneth	Tech II			USAE		10	
	·							
		EQUIPMENT ON	HAND					
Descr	ription of Equipment	Make/Model/Manufacturer		nt ID Num	ber	Insp	ection Performed B	v
Job Trailer (Modspa	· · · ·	ModSpace 10'x44'		1159		1	CH2M HILL	
Generator (Sunbelt		Ingersoll Rand G70		25 PC-545			CH2M HILL	
2-Way Radios (7)	· ··· <b>,</b>	Motorola PR 400		NA			CH2M HILL	
Metal detector		Schonsted		NA			CH2M HILL	
GPS Equipment		Trimble	I	Rental			CH2M HILL	
Rental vehicles (5)		Enterprise Vehicle Rentals		orise Renta	1		CH2M HILL	
ARGO UTV		ARGO		RGO 1			CH2M HILL	

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			- DAILY REPORTS  ND TESTS PERFORMED			
Task/Activity	Inspected	Inspection Perform			Finding	·e
Schonstedt inspection	Inspected	Daily/Serviceabil		b	Pass	,5
GPS Equipment		Daily/Serviceabil	1			
		•	- Tunetion and acce	racy	Pass Pass	
Generator		Daily/ Serviceabi	,		Pass	
Fire Extinguishers		Monthly	NA		Pass	
First Aid Kit		Monthly	NA		Pass	
Field Vehicles		Daily/Weekly			Pass	
Site Communication / 2 Way	Radios	Daily	Radio Cho	eck	Pass	
Performed Work / Test for T		WORK AND/OR TESTS ACCate, PTSP, field and equipm		OGRESS		
Reacquisition of anomalie	es and intrusive in	nvestigation of anomalies in	DSA#1 and DSA#3. Data	base managemei	nt of MRSIMS.	
Planned Work / Test for Ton	norrow: None. We	eather forcing work stoppage	e for 2-5-14			
VISITORS AND DISCUSS		ns, etc.): Poor weather expecte				
		WASTE ACCUMULATION/	STOCKPILE AREA INSPI	CCTION		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0100111 122 111211 12 101 1	.011011		
Inspection Performed By:	NA		Signature of Inspector:	NA		
Accumulation / Stockpile Area Inspected:	NA		•			
No of NA Containers:	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA
Inspection Results: NA	•	•		•	•	•
		GENERA	L COMMENTS			
General Comments~ (rework	, directives, etc.):					
		ATTA	ACHMENTS			
List of Attachments: Daily (	QC Report, Daily P	TSP				
			Jonathan Waldron			2/4/14
			Jonathan Waldron Kevin Lombardo			2/4/14 DATE

PAGE 3 OF 3 F-465

Project.	RI/FS Former F	aritan Arsenal		Date: 02/04/2	2014
LOCATION (	OF WORK: DS	SA 1, DSA 3			
		Terrestrial Read	cquisition/Intrusive A	Anomaly	
DESCRIPTION	ON OF WORK:	Investigation/Re	esolution		
WEATHER:	⊠(CLEAR	)	$\square$ (P.CLOUDY)	☐(Snow)	$\boxtimes$ (WINDY)
TEMPERAT	URE:	MIN: 28 °F		MAX: 33°F.	
1 Work cor	npleted today by	subcontractor:			
	·		e la la		( DO A 4
			continued the intrus 180 targets of 207 i		n of DSA 1
			began the intrusive	investigation of	DSA3 today.
A lotal of 35	of 126 targets we	ere irivestigateu.			
2 Work cor	mnleted today by	QC inspection sta	off ·		
Z. VVOIR COI	Tipleted today by	QC IIISPECTION ST	aii .		
Manattanaalii			- 1-1	Cara ta ann	
			e intrusive investiga		staata with EM
61.	to inspection of t	ompieted anomai	lies in DSA 3 and ve	enned an no cor	itacis with Eivi
01.					
		rmance with Wor	k Plan requirements	s? Yes	
If not, explain	n:				
4. Non-confo	ormances/deficier	ncies reported:			
5. Comments	o:				
5. Comment	ა.				
Of 35 targets	s investigated in I	OSA3 21 were fou	ınd 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



## **CH2NHILL**

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

Date: 4 FEB 2014	LOCATION: EQ.	500 100
Supervisor: CHRIS Activity: MEC CLE	Job Job	
Activity. 1112 C CLS	1418111000	
Attendees: Print N	Vame	Sign Name
	29-	
SEE LI	5 /	
List Tasks and verify that appli	cable AHAs have been reviewed:	
ANOMALY RE	ACGUISTION	
Apomaly In	PRESTIGATION	
012101110		
Tools/Equipment Required for	Tasks (ladders scaffolds fall protec	tion, cranes/rigging, heavy equipment
power tools):	reality (loaders, scarrolds, fail protect	tion, cranes/rigging, neavy equipment
MIN BOY	augica.	
EMGIXI	QUATOR DHITE DETEC	7-25
HAND TOO	STATE OF THE	10000
Potential H&S Hazards includi	ng chemical physical safety 1: 1	
apply):	ng chemical, physical, safety, biologic	
Chemical burns/contact		cal and environmental (check all that
Greathed Barns/contact		
Pressurized lines/equipment	Trench, excavations, cave-ins	Ergonomics
Pressurized lines/equipment	Overexertion	
Thermal burns	Overexertion Pinch points	Ergonomics
Thermal burnsElectrical	Overexertion Pinch points Cuts/abrasions	Ergonomics Chemical splash
Thermal burns Electrical Weather conditions	Overexertion Pinch points Cuts/abrasions Spills	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards	Ergonomics Chemical splash Poisonous plants/insects XEye hazards/flying projectile
Thermal burnsElectricalWeather conditionsHeights/fall > 6 feet	OverexertionPinch pointsCuts/abrasionsspillsOverhead Electrical hazardsElevated loads	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Overexertion Pinch points Cuts/abrasions spills Overhead Electrical hazards Elevated loads Slips, trip and falls	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard XHeat/cold stress
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	OverexertionPinch pointsCuts/abrasionsspillsOverhead Electrical hazardsElevated loads	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard YHeat/cold stress Water/drowning hazard
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Overexertion Pinch points Cuts/abrasions spills Overhead Electrical hazards Elevated loads Slips, trip and falls	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security	ErgonomicsChemical splashPoisonous plants/insectsEye hazards/flying projectileInhalation hazardMeat/cold stressWater/drowning hazardHeavy equipmentAerial lifts/platforms
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Welding/cutting Security	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition

lazard Control Measure		T Sico Protection	Telegraph
PE .	Protective Systems	Fire Protection	Electrical
_Thermal/lined	Sloping	X Fire extinguishers	Lockout/tagout
Eye	Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
∠Reflective vests	Locate buried utilities		Overhead line clearance
_ Flotation device	Daily inspections		Underground utils ID'd
_ Hard Hat	Entry Permits/notification		
all Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
_ Guardrail system	Radiation	Backup alarms	Flash-back arrestors
_ Covered opening	Personnel sampling	✓ Hand/power tools	No cylinders in CSE
		Crane with current inspection	
_ Fixed barricades	LEL/O2 No visible dust	Proper rigging	Flame retardant clothing Appropriate goggles
_ Warning system	Other	Operator qualified	Appropriate goggles
	_ Other	Operator quantied	and the second second
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	✓First-aid kit	✓Work/rest regime	√Traffic control
Air monitoring	Eye wash	2 Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue	<del>*</del>	Training	
Rescue			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	✓ Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	✓ Competent person
Excavation	Competent person	Heavy equipment	✓ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	U FA/CPR
Energized work		Cranes and rigging	Confined Space
EllerBised Mork		Utilities marked	Hazcom
		Othities marked	
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	<u>⊬</u> Immediate calls to TM/CM	±applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	24 hour notification setup		
soft locate necessary?	/_Clear communications		
Field Notes (including	observations from prior day,	etc.):	
Bewone c	E ICE Comfit	ón c	
1 - K 10 FM	Ry You sten	Plan) YOUR POH	+ stone
2000 600	110 0 0 19	1440 10000 1411	1 1 - 1005
HOLD OW IV	HiraC FILL		

Signature: Date:

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet **Today's Date:**

Name (printed)	Signature	Company
Massey, Kevin	man Martoll	usA E
Massey, Kevin		USAF
Boun Kenneth	me of	USAE
E bops	Gitt Styles	USACE
Andy istryal	Andy Lutyak	USAE
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CH2MHILL
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# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		057		
CONTRACT NU	JMBER:	W912D	Y-09-D-0060		REPORT DATE	E:	2-6-14		
REVISION NUM	MBER:	1			REVISION DA	ГЕ:	1-28-14		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritar	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inve	stigation	
PROJECT MAN	IAGER:	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup	ervisor:	Kevin L	ombardo		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
AM WEATHER:	Cold, sunny		PM WEATHER:	Cold, sun	iny	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.

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. TOTAL WORK HOURS ON JOB SITE THIS X Yes ☐ No Was A Job Safety Meeting Held This Date? **DATE** (Including Continuation Sheets) Were there any lost-time accidents this date? Yes No. CH2M HILL On-Site Hours JOB SAFETY (If Yes, attach copy of completed OSHA report) Was a Confined Space Entry Permit Administered This Date? ☐ Yes ⊠ No Subcontractor On-Site Hours 110 (If Yes, attach copy of each permit) **Total On-Site Hours This Date** 144 Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High No No Work/ HAZMAT Work Done? ☐ Yes Cumulative Total of Work Hours 6,740 (If Yes, attach statement or checklist showing inspection performed) From Previous Report Total Work Hours From Start of Was Hazardous Material/Waste Released into the Environment? Yes No No 6,897 (If Yes, attach description of incident and proposed action) Construction OPERATIONS / PRODUCTION REPORT **CH2M HILL** Work Performed Title/Trade Employee Hours Mike Malko QC/ Subcontractor Oversight **UXOQCS** 10 Jonathan Waldron SSHO/ Database manager. SSHO 10 10 Kevin Lombardo **SUXOS** Senior UXO Supervisor Senior UXO Supervisor 4 Chris Rose SUXOS USA ENVIRONMENTAL Title/Trade Work Performed Hours Employee 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 USAE 10 Massey, Kevin Tech II Bernard, Christopher Tech II USAE 10 Vance, Earl Tech II USAE 10 Manthey, Wayne USAE 10 Tech II 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 341125 PC-545 Generator (Sunbelt Rental) Ingersoll Rand G70 CH2M HILL Motorola PR 400 NA CH2M HILL 2-Way Radios (7) Metal detector Schonsted NA CH2M HILL CH2M HILL GPS Equipment Trimble Rental Rental vehicles (5) Enterprise Vehicle Rentals Enterprise Rental CH2M HILL ARGO UTV **ARGO** ARGO 1 CH2M HILL

F-471

				DEDEADMEN			
Tools/Activity	Inspected	Inspection Per		S PERFORMED  Tests		Finding	ō.
Task/Activity Schonstedt inspection	nispected	Daily/Service		QC Chec	k	Pass	<b>i</b>
GPS Equipment		Daily/Service					
			-	Function and accu	racy	Pass	
Generator	rator		ceability	NA		Pass	
Fire Extinguishers		Monthl	ly	NA		Pass	
First Aid Kit		Monthl	•	NA		Pass	
Field Vehicles		Daily/We	•	NA		Pass	
Site Communication / 2 Way	Radios	Daily	'	Radio Che	ck	Pass	
Performed Work / Test for T		WORK AND/OR TESTS ate, PTSP, field and equ			OGRESS		
Reacquisition of anomalie	es and intrusive in	vestigation of anomalie	es in DSA#1	and DSA#3. Data	base managemen	nt of MRSIMS.	
Planned Work / Test for Ton	norrow: Continue	with intrusive investigat	tion				
		tion of anomalies and in			lie scope of wor	k and/or drawingsl	delays to the
CHANGED CONDITIONS project attributable to site an on 2-5-14.	S/DELAY/CONFL d weather condition	ICTS ENCOUNTERED	(List any conf	licts with the project			
CHANGED CONDITIONS project attributable to site an on 2-5-14.  VISITORS AND DISCUSS	S/DELAY/CONFL d weather condition SIONS:	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow	licts with the project	caused shutdov		
CHANGED CONDITIONS project attributable to site and the condition of the c	S/DELAY/CONFL d weather condition SIONS:	ICTS ENCOUNTERED	(List any conf ather, snow	licts with the project	caused shutdov		
CHANGED CONDITIONS project attributable to site and on 2-5-14.  VISITORS AND DISCUSS	S/DELAY/CONFL d weather condition SIONS:	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow a	licts with the project	caused shutdov		
CHANGED CONDITIONS project attributable to site and on 2-5-14.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation /	S/DELAY/CONFL d weather condition SIONS:	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow a	licts with the project and freezing rain PILE AREA INSPE	caused shutdov		
CHANGED CONDITIONS project attributable to site an on 2-5-14.	S/DELAY/CONFL d weather condition	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow :	licts with the project and freezing rain PILE AREA INSPE	caused shutdov		
CHANGED CONDITIONS project attributable to site and on 2-5-14.  WISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers:	S/DELAY/CONFL d weather condition  SIONS:  NA  NA	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow :	licts with the project and freezing rain PILE AREA INSPE	caused shutdov	vn of site for safe	ety concerns
CHANGED CONDITIONS project attributable to site and project attrib	S/DELAY/CONFL d weather condition  SIONS:  NA  NA	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow :	licts with the project and freezing rain PILE AREA INSPE	caused shutdov	vn of site for safe	ety concerns
CHANGED CONDITIONS project attributable to site and the condition of the c	S/DELAY/CONFL d weather condition  SIONS:  NA  NA  NA  No of Tanks	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow : ON/STOCKE Signat	licts with the project and freezing rain PILE AREA INSPE	caused shutdov	vn of site for safe	ety concerns
CHANGED CONDITIONS project attributable to site and the condition of the c	S/DELAY/CONFL d weather condition  SIONS:  NA  NA  NA  No of Tanks	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any conf ather, snow : ON/STOCKE Signat	licts with the project and freezing rain  PILE AREA INSPE- ture of Inspector:  Roll-Off Boxes:	caused shutdov	vn of site for safe	ety concerns
CHANGED CONDITIONS project attributable to site and the condition 2-5-14.  WISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA	S/DELAY/CONFL d weather condition  SIONS:  NA  NA  NO of Tanks  x, directives, etc.):	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any confather, snow and state of	licts with the project and freezing rain  PILE AREA INSPE- ture of Inspector:  Roll-Off Boxes:  IENTS	caused shutdov	vn of site for safe	ety concerns
CHANGED CONDITIONS project attributable to site and on 2-5-14.  VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers: Inspection Results: NA General Comments~ (rework	S/DELAY/CONFL d weather condition  SIONS:  NA  NA  NO of Tanks  x, directives, etc.):	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any confather, snow and state of	licts with the project and freezing rain  PILE AREA INSPE- ture of Inspector:  Roll-Off Boxes:  IENTS	caused shutdov	vn of site for safe	NA NA
CHANGED CONDITIONS project attributable to site and on 2-5-14.  WISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers: Inspection Results: NA  General Comments~ (rework	S/DELAY/CONFL d weather condition  SIONS:  NA  NA  NO of Tanks  x, directives, etc.):	ICTS ENCOUNTERED s, etc.): Severe cold wea	(List any confather, snow a state of snow a st	licts with the project and freezing rain  PILE AREA INSPE- ure of Inspector:  Roll-Off Boxes:  TES  a doctor.	caused shutdov	vn of site for safe	ety concerns

F-472

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

Project.	RI/FS Former Ra	aritan Arsenal		Date: 02/06/	2014
LOCATION (	OF WORK: DS/	A 1, DSA 3			
DESCRIPTION	ON OF WORK:	Terrestrial Read	equisition/Intrusive A	Anomaly	
WEATHER: TEMPERATI  1. Work con	⊠(CLEAR) JRE: npleted today by s	MIN: <u>17</u> °F	□(P.CLOUDY)	∐(Snow) MAX: <u>30</u> °F.	⊠(WINDY)
	subcontractor US/		continued the intrus	sive investigation	on of DSA 1
CH2M Hill's stoday. A tota	subcontractor US/ I of 85 targets inve	A Environmental estigated. Two all	continued the intrus ternate targets were DSA3 83 were four	e added to repl	ace two that
2. Work con	npleted today by (	QC inspection sta	iff:		
Monitored wo	ork practices and	procedures of the	e intrusive investiga	tion teams.	
Performed Q 61.	C inspection of co	ompleted anomali	ies in DSA 3 and ve	erified all no co	ntacts with EM
3. All work pe		rmance with Worl	k Plan requirements	s? Yes	
ii iiot, expiaii	ı. 				
4. Non-confo	rmances/deficiend	cies reported:			
5. Comments	3:				
Of 85 targets	investigated in D	SA3 83 were fou	nd 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

HSSE Zero
Target Zero
World-Class Performance

# CH2MHILL

Pre-Task Safety Plan (PTSP)	and Safety Meeting Sign-in Shee	et,
Project: Sormer Rarison  Date: 2/6/14  Supervisor: C.Rose  Activity: Infeurive in	Arsenal Location:	dison, NJ
Attendees: Print N	Name ,	Sign Name
See Alta	chel	
List Tasks and verify that applic	cable AHAs have been revièwed:	Sofety, Intrusive mestion
hend tools, RTK	GPS, Radios	tion, cranes/rigging, heavy equipment,
Potential H&S Hazards, includir apply):	ng chemical, physical, safety, biologi	cal and environmental (check all that
Chemical burns/contact	Trench, excavations, cave-ins	∠ Ergonomics
Pressurized lines/equipment		Chemical splash
Thermal burns	∠ Pinch points	Poisonous plants/insects
Electrical	✓ Cuts/abrasions	∠Eye hazards/flying projectile
∠ Weather conditions	Spills	Inhalation hazard
Heights/fall > 6 feet	Overhead Electrical hazards	∠Heat/cold stress
Noise	Elevated loads	
<u>X</u> Explosion/fire	✓ Slips, trip and falls	
Radiation		Heavy equipment
Confined space entry	Welding/cutting	Aerial lifts/platforms
Underground Utilities	∠ Security	Demolition
Other Potential Hazards (Descri		5/14 ord free zing

Hazard Control Measure	s (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
XThermal/lined	Sloping	₹Fire extinguishers	Lockout/tagout
X <sub>Eye</sub>	Shoring	Fire watch	✓Grounded
XDermal/hand	Trench box	Non-spark tools	₹ Panels covered
Hearing	Barricades	Grounding/bonding	✓ GFCI/extension cords
Respiratory	1/Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	≯Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	<u>⊀</u> Operator qualified	
	NA-Jinel/ED	Heat/Cold Stress	Vehicle/Treffic
Confined Space Entry	Medical/ER		Vehicle/Traffic
Isolation	Eye wash	Work/rest regime Rest area	Traffic control
Air monitoring		∠ Liquids available	Barricades
Trained personnel	FA-CPR trained personnel		Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	
Lockout/tagout	Isolate area/utilities	Scaffolds	✓ Competent person
Excavation	Competent person		<u>≺</u> Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	¥ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities Dig alert called3 <sup>rd</sup> Party locaterAs-builts reviewedInterview site staff Client review	Incident Communications  Work stops until cleared by TM/CM Immediate calls to TM/CM Client notification 4 hour notification setup	AHA's  reviewed and approved by HSM on site and current applicable for this day's work Communication and incident pro	cesses included?
soft locate necessary?	lear communications bservations from prior day, e	tc.): due to poor	væder
Best Cons	•	1	

Name (Print): Signature:

Date: 2/6/14

Former Raritan Arsenal Health and Safety Daily Sign-in Sheet  Today's Date: 2/6/14						
Name (printed)	Signature	Company				
DonWaldron	Tallalla	CH2M				
Levin Massey	1	USAE				
Brown Kenneth	Bea,	USAE				
MAMALKO	mamulla	CH2M				
Paul Schmidt	4/17/15	USAE				
Andr Gitvak	Andy Litarak	USAE				
FHORKINS	Chief Kills	USACE				
PGILLEA.	Phileter	USAE				
Kevin Lombardo	Low	cHam				
Ear R Dance	Val. Ri	USAF				
CHELL BERNARD	4	USAF				
Wayne Marthey	his Marily	USRE				
RICH COBLE	DINAMICE	USAE				
Phil Matter	Mean	USAFAE				
Chris Rose	Charles	(102M				
7 W-13 W 22 A						
	As a second seco					



# 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: 2/4/14
This is to certify that:  Christopur Rose
Has been under my care for the following:  Right Wrist Fracture
and is able to return to ☐ work ☐ school
Remarks: Patient can return to Work lifting no more Than 5 pounds.
Signature: Jewis & Jewier hip



# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	AME:	Former	Raritan Arsenal		REPORT NO:		058		
CONTRACT NU	JMBER:	W912D	Y-09-D-0060		REPORT DATE	E:	2-7-14		
REVISION NUM	MBER:	1			REVISION DA	ΓE:	1-28-14		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritar	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inve	stigation	
PROJECT MAN	IAGER:	Mark C	allaghan		UXO QUALITY	MANAGER:	Mike Malko		
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	ron	
AM WEATHER:	Cold, sunny		PM WEATHER:	Cold, sun	ny	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	DSA #5 30*		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.

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 TOTAL WORK HOURS ON JOB SITE THIS X Yes ☐ No Was A Job Safety Meeting Held This Date? DATE (Including Continuation Sheets) Were there any lost-time accidents this date? ☐ Yes ⊠ No CH2M HILL On-Site Hours 30 JOB SAFETY (If Yes, attach copy of completed OSHA report) Was a Confined Space Entry Permit Administered This Date? ☐ Yes No No Subcontractor On-Site Hours 110 (If Yes, attach copy of each permit) **Total On-Site Hours This Date** 140 Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High ☐ Yes ✓ No Work/ HAZMAT Work Done? Cumulative Total of Work Hours (If Yes, attach statement or checklist showing inspection performed) 6,880 From Previous Report Total Work Hours From Start of Was Hazardous Material/Waste Released into the Environment? ⊠ No ☐ Yes 7,037 (If Yes, attach description of incident and proposed action) Construction OPERATIONS / PRODUCTION REPORT **CH2M HILL** Employee Work Performed Title/Trade Hours Mike Malko **UXOQCS** 10 QC/ Subcontractor Oversight Jonathan Waldron SSHO/ Database manager. SSHO 10 Chris Rose Senior UXO Supervisor **SUXOS** USA ENVIRONMENTAL Work Performed Title/Trade Hours Employee Gildea, Patrick SUXOS USAE 10 10 Matter, Phillip Tech III USAE 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 10 USAE Brown, Kenneth Tech II 10 EQUIPMENT ON HAND Description of Equipment Make/Model/Manufacturer Equipment ID Number Inspection Performed By ModSpace 10'x44' 291159 CH2M HILL Job Trailer (Modspace rental) Generator (Sunbelt Rental) Ingersoll Rand G70 341125 PC-545 CH2M HILL Motorola PR 400 2-Way Radios (7) NA CH2M HILL Metal detector Schonsted NA CH2M HILL CH2M HILL **GPS** Equipment Trimble Rental Rental vehicles (5) Enterprise Vehicle Rentals Enterprise Rental CH2M HILL ARGO UTV **ARGO** ARGO 1 CH2M HILL

TD 1/A ** **	T 1		D TESTS PERFORMED		P' I'	
Task/Activity	Inspected	Inspection Performe		1-	Finding	S
Schonstedt inspection		Daily/Serviceabilit	-		Pass	
GPS Equipment		Daily/Serviceabilit	Function and accu	racy	Pass	
Generator		Daily/ Serviceabilit	NA 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 Che	eck	Pass	
COMMENTS (acceptance	-		OMBI ICHIED OD IN DD	ACRESS		
D 0 1333 1 (T) 0 T		VORK AND/OR TESTS ACC		OGRESS		
		te, PTSP, field and equipment	-	12 Dotoboss	anagament of MD	SIMS
Reacquisition of anomalic	es and intrusive in	vestigation of anomalies in I	JSA#1, DSA#3 and Area	12. Database m	anagement of MK	SIIVIS.
Di	None Dree	ak for weekend. Return to wo	only on Monday 2 10 14			
Planned Work / Test for Ton	iorrow: Nolle. Drea	ik for weekend. Return to wo	ork on Monday 2-10-14			
Planned Work / Test for Nex	t Week: Reacquisi	ion of anomalies and intrusi	ve investigation			
	•		C			
		CTS ENCOUNTERED (List a etc.): On 02/06/14: DSA#1				
	d weather conditions <i>on the anomaly</i> .	CTS ENCOUNTERED (List as setc.): On 02/06/14; DSA#1 selection process and the nun anomaly screening and selection	and DSA#3 did not meet mber of "No Finds" in th	QC screening c	riteria and are fail	ed by the
to discuss path forward in	d weather conditions e on the anomaly , a areas and revise	s, etc.): On 02/06/14; DSA#1 selection process and the nur	and DSA#3 did not meet mber of "No Finds" in th	QC screening c	riteria and are fail	ed by the
to discuss path forward in	d weather conditions e on the anomaly a areas and revise	s, etc.): On 02/06/14; DSA#1 selection process and the nur	and DSA#3 did not meet mber of "No Finds" in th ction process.	QC screening c e field. CH2M F	riteria and are fail	ed by the
to discuss path forward in	d weather conditions e on the anomaly a areas and revise	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selec	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M F	riteria and are fail	ed by the
to discuss path forward in VISITORS AND DISCUSS  Inspection Performed By:	d weather conditions e on the anomaly a areas and revise	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selec	and DSA#3 did not meet mber of "No Finds" in th ction process.	QC screening c e field. CH2M F	riteria and are fail	ed by the
to discuss path forward in VISITORS AND DISCUSS  Inspection Performed By: Accumulation /	d weather conditions e on the anomaly in areas and revise SIONS:	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selec	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M F	riteria and are fail	ed by the
VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA	d weather conditions e on the anomaly a areas and revise SIONS:	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selec	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M F	riteria and are fail	ed by the
VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers:	d weather conditions e on the anomaly a areas and revise SIONS:  NA  NA	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
VISITORS AND DISCUSS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers:	d weather conditions e on the anomaly a areas and revise SIONS:  NA  NA	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers:	d weather conditions e on the anomaly a areas and revise SIONS:  NA  NA	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S' NA	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers: Inspection Results: NA	d weather conditions e on the anomaly a areas and revise  SIONS:  NA  NA  NA  NO of Tanks	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S' NA	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: NA	d weather conditions e on the anomaly a areas and revise  SIONS:  NA  NA  NA  NO of Tanks	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S' NA	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers:  Inspection Results: NA	d weather conditions e on the anomaly a areas and revise  SIONS:  NA  NA  NA  NO of Tanks	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S' NA	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of NA Containers: Inspection Results: NA	d weather conditions e on the anomaly a areas and revise  SIONS:  NA  NA  NA  NO of Tanks	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S'  NA  GENERAL	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA General Comments~ (rework	d weather conditions on the anomaly a areas and revise SIONS:  NA  NA  NA  No of Tanks  A, directives, etc.):	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S'  NA  GENERAL	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:  COMMENTS	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA General Comments~ (rework	d weather conditions on the anomaly a areas and revise SIONS:  NA  NA  NA  No of Tanks  A, directives, etc.):	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S  NA  GENERAL  ATTAC	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:  COMMENTS	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA General Comments~ (rework	d weather conditions on the anomaly a areas and revise SIONS:  NA  NA  NA  No of Tanks  A, directives, etc.):	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S  NA  GENERAL  ATTAC	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:  COMMENTS  Other from doctor.	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu
Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers: Inspection Results: NA  General Comments~ (rework	d weather conditions on the anomaly a areas and revise SIONS:  NA  NA  NA  No of Tanks  A, directives, etc.):	s, etc.): On 02/06/14; DSA#1 selection process and the nur anomaly screening and selection WASTE ACCUMULATION/S  NA  GENERAL  ATTAC	and DSA#3 did not meet mber of "No Finds" in th ction process.  TOCKPILE AREA INSPE  Signature of Inspector:  No of Roll-Off Boxes:  COMMENTS  TOCKPILE AREA INSPECTOR:  No of Roll-Off Boxes:  JONATHAN Waldron	QC screening c e field. CH2M H	riteria and are fail HILL and USACE t	ed by the eams continu

Project. RI/FS Former Rarit	an Arsenal		Date: 02/07/	2014			
LOCATION OF WORK: DSA 1, DSA 3, Area 12							
	errestrial Reac vestigation/Re	quisition/Intrusive A solution	nomaly				
	<u> </u>						
WEATHER: ⊠(CLEAR) TEMPERATURE:	□(FOG) MIN: <u>22</u> °F	□(P.CLOUDY)	∏(Snow) MAX: <u>31</u> °F.	□(WINDY)			
Work completed today by sub	contractor:						
CH2M HILLs subcontractor USA today completing investigation of DSA 1 pending results of final QC	14 anomalies.						
CH2M HILLs subcontractor USA today. A total of 8 targets investig	Environmental jated.	·					
CH2M Hill's subcontractor USA E today completing investigation of anomalies were covered with ice with alternates.	46 anomalies	14 of which were N	o Contacts. Eig	ght additional			
2. Work completed today by QC	inspection stat	ff :					
Monitored work practices and pro Monitored work practices and pro		•					
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	s reported:						
5. Comments:							
	A2 111 ware fo	ound to be no cente	not				
Of 126 targets investigated in DS	AS 114 WEIGIG	Junia la de no conte	IUI.				

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

02-07-2014 Contractor: CH2M Hill

Date:

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

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
Terrestrial Anomaly Reacquisition Dredge Michael Malko	Spoil Area 3 and Area 12.
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 PERFO	RMED TEST
UXOQC monitored the setup of RTK Rover. B	res to insure compliance with Work Plan APP and SOPS. oth reacquire teams located benchmark #700 prior to operations. Margin st. Margin of error for team 2 was .004 meters North .006 meters East
	s "No Contacts" in DSA 3 and Area 12 locations were correct
m.L. lamel	02-07-2014

Date

Project QC Specialist

# HSSE Target Zero World-Class Performance

# CH2MHILL

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

Attendees: Print Name Sign Name  SEE 2157  List Tasks and verify that applicable AHAs have been reviewed:  TATUSINE INVESTIGATION, General Site Suffey, UXO - MEC Su  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):  Novidod Site of Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Finch points  Fin	Supervisor: CHRIS Activity: Awomay Awomay	ROSE JOB REAGUISTION IVESTIGATION	
List Tasks and verify that applicable AHAs have been reviewed:  Tatrusive investigation, General Site Sofety, UXO - MGC Sofety (UXO - MGC Sofety)  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):  Northods, GM-GI, RT K-GPS  Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Pinch points  Electrical  Cuts/abrasions  Weather conditions  Spills  Heights/fall > 6 feet  Overhead Electrical hazards  Wester Conditions  Elevated loads  XExplosion/fire  Elevated loads  XExplosion/fire  Radiation  Xemanual lifting  Aerial lifts/platforms  Confined space entry  Welding/cutting  Demolition  Underground Utilities  Security  XPoor communications	Attendees: Print	Name	Sign Name
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools	CEB /	167	
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools	JUE L		
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Mark Hools			
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Consider	List Tasks and verify that appl	icable AHAs have been reviewed:	
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes/rigging, heavy equipment power tools):    Manual lifting   Manual lifting   Manual lifting   Meavy equipment   Manual lifting   Meavy equipment   Meavy equipment   Manual lifting   Meavy equipment   Mea	Intrusive investi	gation, General Ste	Sofety UXD-MECSIG
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		0 , , , ,	17, 000 1.00 30%
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):			
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):	Tools/Equipment Required for	Tasks lladders scaffolds fall	
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):	power tools):	rasks (ladders, scalfolds, fall protei	ction, cranes/rigging, heavy equipment,
Potential H&S Hazards, including chemical, physical, safety, biological and environmental (check all that apply):		(0) 0-146 00	
	VIOLOTOGIS, CIT	OI, KIKIGPS,	
	Data-ti-1110 C tr		
	anniul:	ng chemical, physical, safety, biolog	ical and environmental (check all that
Pressurized lines/equipment  Overexertion  Thermal burns  Electrical  Cuts/abrasions  Eye hazards/flying projectile  Inhalation hazard  Weather conditions  Elevated loads  Final loads  Elevated loads  Eleva	арріу).		- Torreck an triat
Pressurized lines/equipment  Thermal burns  Electrical  Cuts/abrasions  Spills  Heights/fall > 6 feet  Overhead Electrical hazards  Elevated loads  Elevated l		Trench, excavations, cave-ins	Francomics
Thermal burns  Electrical  Cuts/abrasions  Eye hazards/flying projectile  Linhalation hazard  Heights/fall > 6 feet  Overhead Electrical hazards  Elevated loads  Elevated loa	Pressurized lines/equipment		
Electrical  Cuts/abrasions  Eye hazards/flying projectile  Inhalation hazard  Heights/fall > 6 feet  Overhead Electrical hazards  Heat/cold stress  Noise  Elevated loads  Explosion/fire  Slips, trip and falls  Aerial lifts/platforms  Confined space entry  Underground Utilities  Security  Cuts/abrasions  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Heat/cold stress  Heat/cold stress  Heat/cold stress  Heat/cold stress  Heat/cold stress  Mater/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition  Underground Utilities  Security  Poor communications	Thermal burns	CONTROL OF THE CONTRO	
✓ Weather conditions      Spills      Inhalation hazard         ✓ Heights/fall > 6 feet      Overhead Electrical hazards       ✓ Heat/cold stress         ✓ Noise      Elevated loads       ✓ Water/drowning hazard         ✓ Explosion/fire       ✓ Slips, trip and falls       ✓ Heavy equipment         Radiation       ✓ Manual lifting      Aerial lifts/platforms         Confined space entry      Welding/cutting      Demolition         Underground Utilities      Security       XPoor communications	Electrical		Poisonous plants/insects
Noise	Weather conditions		Jr. 1 1 111
NoiseElevated loads	Total delications	Spills	
XExplosion/fire  Radiation  Confined space entry  Underground Utilities  Security  Slips, trip and falls  All Heavy equipment  Aerial lifts/platforms  Demolition  Yelding/cutting  Demolition  Xeror communications			Inhalation hazard
Radiation  Confined space entry  Welding/cutting  Underground Utilities  Security  Manual lifting  Aerial lifts/platforms  Demolition  Yeor communications	Heights/fall > 6 feet	Overhead Electrical hazards	Inhalation hazard
	Heights/fall > 6 feet  Noise	Overhead Electrical hazards Elevated loads	Inhalation hazard  Heat/cold stress  Water/drowning hazard
	Heights/fall > 6 feet  Noise  Explosion/fire	Overhead Electrical hazards Elevated loads Slips, trip and falls	Inhalation hazard  Heat/cold stress  Water/drowning hazard
Other Potential Hazards (Describe):	Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting	Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment
	Heights/fall > 6 feet  Noise Explosion/fire Radiation Confined space entry	Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting	Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment Aerial lifts/platforms
LLE COUERED WATER	Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security	Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition
	Heights/fall > 6 feet  Noise Explosion/fire Radiation Confined space entry Underground Utilities Other Potential Hazards (Descri	Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security be):	Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition  Poor communications
	Heights/fall > 6 feet  Noise Explosion/fire Radiation Confined space entry Underground Utilities Other Potential Hazards (Descri	Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security be):	Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition  Poor communications

F-483

PPE	res (Check All That Apply):  Protective Systems	Fire Protection	
XThermal/lined	Sloping		Electrical
Eye	Shoring	* Fire extinguishers	Lockout/tagout
Dermal/hand	Trench box	_ Fire watch	Grounded
_ Hearing		Non-spark tools	Panels covered
	Barricades	Grounding/bonding	✓ GFCI/extension cords
Respiratory  Reflective vests	Competent person	Intrinsically safe equipment	Power tools/cord inspected
	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	BBBBCS
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	
Hot work	Pre-demolition survey	[12] [2] 내 보고 있었다. 그리는 내 보고 있는 그 모든 그리고 있는 것 같다.	Training:
Confined space	Structure condition	Ladders/aerial lifts	Hazwaste (current)
Lockout/tagout	일본 내의 강경에 되었다면 가득하는 사람이 생각하는 사람이 되었다.	Lanyards/harness	∠ Construction
Excavation	Isolate area/utilities	Scaffolds	Z Competent person
Demolition	Competent person	Heavy equipment	X Task-specific
Energized work	Hazmat present	Drill rigs/geoprobe rigs	¥ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	<b>X</b> Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	∠Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	Xon site and current	
As-builts reviewed	$\ge$ Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	XClient notification	Communication and incident pro	cesses included?
Client review	$\frac{\chi_{24}}{1}$ hour notification setup		TELECT MCIACO:
_soft locate necessary?	$\chi$ Clear communications		
F. 1111			
	observations from prior day, e	etc.):	
Le Capre	& Held Conditions		

Name (Print): MAMALKE
Signature: Date: 7 FEB14

# Former Raritan Arsenal Health and Safety Daily Sign-in Sheet Today's Date:

Name (printed)	Signature	Company
Phil Matter	July my	USAG Envis
Brun Fenneth	al a	USAE
Massey Kewin	M	USAE
RICH COBLE	Dolle	USAE
Wayne Marthey	Zngg Marth	USAE
Hofkins	Lift home	USACE
HRIS BARWARN	ALL V	USAE
Gildea	Hillelow,	USAE
Andy Liturah	Andy Laly	USAF
Earl R Van (t	E RIE	USAF
Paul Schmidt		USAE
MA MALKO	July We Me	CHQM
on Walibran	Chath Wall	CH2M

1146	Safe	Behav	ior Observation Form
Federal Commercial International	(check	one)	Construction or Consulting (check one)
Project Number (required): 12	7940	Client	Program: USACE
Project Name: Romiton		Obser	ver: 5. Walken   Date: 2/7/19
Position/Title of worker observed: USAE	Dig +	ean	Background Information/ comments: Intrusive Investigation
Task/Observation Tatrusii Observed:	ve th	reste	tion
<ul> <li>Identify and reinforce safe wo</li> <li>Identify and improve on at-ris</li> <li>Identify and improve on pract</li> <li>Proactive PM support facilitat</li> <li>Positive, corrective, cooperat</li> </ul>	k practices ices, cond es elimina	s/acts itions, c ting/red	ontrols, and compliance that eliminate or reduce hazards ucing hazards (do you have what you need?)
Actions & Behaviors	Safe	At- Risk	Observations/Comments
Current & accurate Pre-Task Planning/Briefing (Project safety plan, STAC, AHA, PTSP, tailgate briefing, etc., as needed)	V		Positive Observations/Safe Work Practices:  Good Se of PTE, General work
Properly trained/qualified/experienced	1		Sofety + Approach to un sole cross
Tools/equipment available and adequate		,	
Proper use of tools			Questionable Activity/Unsafe Condition Observed:
Barricades/work zone control			Tay field Cord Hos + Porking 10+5
Housekeeping			Potential Slip+fall harzords
Communication			totential out tall natoras
Work Approach/Habits			
Attitude			
ocus/attentiveness			Observer's Corrective Actions/Comments:
Pace			
Jncomfortable/unsafe position			Proper use of PPE + engineering Controls to avoid slips + falls.
nconvenient/unsafe location			Controls to avoid Slips + Falls.
Position/Line of fire			Porking in gravel occas w/ good
apparel (hair, loose clothing, ewelry)			traction
Repetitive motion	1		Observed Worker's Corrective Actions/Comments:
Other	<del></del>		sometiments:

For CNR ES staff please email completed forms to: <a href="mailto:cnressafe@ch2m.com">cnressafe@ch2m.com</a>
For International ES projects please e-mail completed forms to: <a href="mailto:ESINTLSafeBehaviorObservation@ch2m.com">ESINTLSafeBehaviorObservation@ch2m.com</a>

CH2I	<b>VI</b> HILL		DAILY PR	CH2M RODUC		EPC	ORT						
CONTRACT NAME: Former Raritan Arsenal REPORT NO:							061				_		
CONTRACT NUM	MBER:	W912D	Y-09-D-0060		REPORT D	OATE:			2-17-14				
REVISION NUM	BER:	1			REVISION	DATI	E:		1-28-14				
TASK ORDER N	UMBER:	003			PROJECT	NAME	E / LOCA	ATION:	Former Rar	itan Ars	senal, Edison	, NJ	
PROJECT NUMB	ER:	427946			PROJECT	DESC	RIPTIO	N:	Remedial Ir	ivestiga	ntion		
PROJECT MANA	AGER:	Mark C	allaghan		UXO QUA	LITY	MANA	GER:	Mike Malko	)			
Senior UXO Supe	rvisor:	Chris R	ose		SITE HEAD OFFICER:	LTH &	SAFET	ГΥ	Jonathan W	aldron			
AM WEATHER:	Cold, partly cloud	y	PM WEATHER:	Cold, par	tly cloudy		MAX T (F):	EMP	32	M (F	IN TEMP ):	22	
			SUMMA	RY OF WO	RK PERFO	RMEI	D TODA	ΑY					
CH2M HILL pe VARGO survey	rsonnel conduct to ors arrive and sur	ailgate savey in Q	afety brief and fil C seeds in DSA#	ll out Pre T †1, DSA#3	ask Safety I and Area 12	Plan. 2 in pi	reparati	on for l	DGM of areas				
			н	EALTH AN	D SAFETY	REPO	RT						
Conduct safety t Daily inspection TAILGATE TOF for slip and fall	s Taken, and Result ailgate and fill or s of equipment or PICS: Footing an . Proper lifting to the OBSERVATION	ut PTSP. nsite. d traction echniqu	on control, Heav es, safe driving,	y snow fal			and rai	in with	freezing cond	ditions	s increases )	possibility	_
	Was A Job Safe	ty Meeting	g Held This Date?			X Y	es [	] No	TOTAL WOI DATE (I		OURS ON JO		IIS
	Were there any l		eccidents this date?			☐ Y	es 🗵	No	CH2M HILL O	On-Site	Hours	16	,
JOB	Was a Confined (If Yes, attach cop		try Permit Adminis ermit)	stered This D	Date?	☐ Y	es 🗵	No	Subcontractor	On-Site	e Hours	16	,
J	Were Crane/ Ma	ın-lift/ Tre	nching/ Scaffold/ I	HV Electric/	High				Total On-Site	Hours	This Date	32	:
$\setminus$ $\sim$	Work/ HAZMA (If Yes, attach state		one? ecklist showing inspe	ction perform	ed)	☐ Y	es 🛭 No		Cumulative Total of Work Hours From Previous Report		7,10	)5	
			Waste Released into neident and proposed		nment?	☐ Y	es 🗵	] No	Total Work Ho Construction	ours Fro	om Start of	7,27	12
			OPER	ATIONS / I	PRODUCTI	ON RI	EPORT						
				CI	H2M HILL								
	Employee			Work I	Performed				Title/Trade		Н	ours	
Mike Malko QC/ Subcontractor Q					_			UXOQCS			8		
Jonathan Waldron SSHO/ Database manager. SSHO 8													
	Chris Rose			Senior UX	O Supervisor				SUXOS			8	
				USA ENV	VIRONMEN	TAL							

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Work Performed

SUXOS

Title/Trade

USAE

Hours

0

Employee

Gildea, Patrick

	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 Tech II	USAE	0
Brown, Kenneth	тесн п	USAE	U
	EQUIPMENT ON	N 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 TEST	S 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
	Monthly	NA	Pass
Fire Extinguishers	1	NA	Pass
	Monthly	INA	1 ass
Fire Extinguishers First Aid Kit Field Vehicles	Monthly Daily/Weekly	NA NA	Pass

# 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.):

VISITORS AND DISCUSSIONS:									
	WASTE ACCUMULATION/STOCKPILE AREA INSPECTION								
Inspection Pe	rformed By:	NA		Signature of Inspector:	NA				
Accumulation Stockpile Are		NA							
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	NA		
Inspection Re	sults: NA								
			GENERA	L COMMENTS					
General Comments~ (rework, directives, etc.):									
			ATTA	CHMENTS					
List of Attachments: Daily QC Report, Daily PTSP, MDAS certification.									
				Jonathan Waldron Chris Rose		2	2/17/14		
	PREPARER'S SIGNATURE DATE								

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

Project.	ect. RI/FS Former Raritan Arsenal				2014			
LOCATION (		ea 12 (Northern A SA1. DSA3	rea and Formerly U	nmapped Area	s.)			
	Land Survey (Boundary/Transect Stake Establishment)							
DESCRIPTION	DESCRIPTION OF WORK: Terrestrial DGM surveys							
			,					
WEATHER: TEMPERATU	□(CLEAR JRE:	(FOG) MIN: <u>22</u> °F	⊠(P.CLOUDY)	∐(Snow) MAX: <u>32</u> °F.	□(WINDY)			
1. Work com	npleted today by	subcontractor:						
CH2M Hill's	subcontractor V	ARGO surveyed th	e location of blind s	eeds.				
2. Work com	npleted today by	QC inspection sta	ff:					
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

ate: 12 FEB 2014		
upervisor: CHO15 R	OSE Job	
activity: BLINA SBEI	SUBJEY	
		Ci- N
Attendees: Print Na	ame (RO	Sign Name
PAIL SCHAE	FRE	Med Jaka
JAMESCOL	un 100	Jong Coffee
Chris Rode		Dr. R.
ist Tasks and verify that applica	able AHAs have been revièwed:	
ist tasks and verify that applied	able AllAs have been reviewed.	
power tools):		tion, cranes/rigging, heavy equipmer
Potential H&S Hazards, including	ND 70665	
Potential H&S Hazards, including	ng chemical, physical, safety, biologic	cal and environmental (check all that
Potential H&S Hazards, includinapply):	ND 70665	cal and environmental (check all that
Potential H&S Hazards, including apply): Chemical burns/contact	ng chemical, physical, safety, biologic Trench, excavations, cave-ins	cal and environmental (check all that  Ergonomics Chemical splash
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipment	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burns	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points	cal and environmental (check all that  Ergonomics Chemical splash
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points Cuts/abrasions	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditions	ng chemical, physical, safety, biologic Trench, excavations, cave-ins OverexertionPinch pointsCuts/abrasionsspillsOverhead Electrical hazards	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feet	ng chemical, physical, safety, biologic Trench, excavations, cave-ins OverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loads	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard K Heat/cold stress Water/drowning hazard
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feetNoise	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feetNoiseExplosion/fireRadiation	ng chemical, physical, safety, biologic Trench, excavations, cave-ins OverexertionPinch points Cuts/abrasionsspillsOverhead Electrical hazardsElevated loadsX Slips, trip and fallsManual lifting	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
Potential H&S Hazards, including apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feetNoise(Explosion/fireRadiationConfined space entry	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points Cuts/abrasions spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Potential H&S Hazards, includin apply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectricalWeather conditionsHeights/fall > 6 feetNoiseVExplosion/fireRadiationConfined space entryUnderground Utilities	mg chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
Potential H&S Hazards, includinapply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feetNoiseVExplosion/fireRadiationConfined space entryUnderground Utilities Other Potential Hazards (Descriptions)	mg chemical, physical, safety, biologic Trench, excavations, cave-ins OverexertionPinch pointsSpillsOverhead Electrical hazardsElevated loadsX Slips, trip and fallsManual liftingWelding/cuttingSecurity ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition Poor communications
Potential H&S Hazards, includinapply): Chemical burns/contactPressurized lines/equipmentThermal burnsElectrical X_Weather conditionsHeights/fall > 6 feetNoiseVExplosion/fireRadiationConfined space entryUnderground Utilities Other Potential Hazards (Descriptions)	ng chemical, physical, safety, biologic  Trench, excavations, cave-ins  Overexertion Pinch points  Cuts/abrasions Spills Overhead Electrical hazards Elevated loads Slips, trip and falls Manual lifting Welding/cutting Security ibe):	cal and environmental (check all that  Ergonomics Chemical splash Poisonous plants/insects  Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition Poor communications

lazard Control Measure	s (Check All That Apply):		
PE	Protective Systems	Fire Protection	Electrical
∠ Thermal/lined	Sloping	← Fire extinguishers	Lockout/tagout
<u> </u>	Shoring	Fire watch	Grounded
_Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	₩ Work/rest regime	Traffic control
Air monitoring	∠ Eye wash	Rest area	Barricades
Trained personnel	★ FA-CPR trained personnel	X Liquids available	Flags
Permit completed	Route to hospital	X Monitoring	Signs
Rescue			
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	A Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	
Lockout/tagout	Isolate area/utilities	Scaffolds	∠ Competent person
Excavation	Competent person	Heavy equipment	
Demolition	Hazmat present	Drill rigs/geoprobe rigs	FA/CPR
Energized work		Cranes and rigging	MAConfined Space
		Utilities marked	<u>K</u> Hazcom
Linderground Litilities	Incident Communications	AHA' s	
Underground Utilities  Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
Dig alert called 3 <sup>rd</sup> Party locater	/ TM/CM	Ion site and current	
As-builts reviewed	Immediate calls to TM/CM	applicable for this day's work	
As-builts reviewed Interview site staff	Z Client notification	Communication and incident pr	ocesses included?
Interview site stariClient review	Z24 hour notification setup		
soft locate necessary?	Clear communications		
SOIL locate hecessary:			
Field Notes (including	observations from prior day,	etc.):	
Field Notes (including	CONSCIVATIONS HOME PHOT day,		

Name (Print): MAMALKO
Signature: MAMALKO
Date: 17 FEB 19

			APPENDIX F	- DAILY R	EPORTS	S 			
CH2M HILL DAILY PRODUCTION REPORT									
CONTRACT NAM	ſE:	Former I	Raritan Arsenal	REPORT	NO:		062		
CONTRACT NUM	IBER:	W912D	Y-09-D-0060	REPORT	DATE:		2-18-14		
REVISION NUME	BER:	1		REVISIO	N DATE:		1-28-14		
TASK ORDER NU	JMBER:	003		PROJECT	NAME /	LOCATION	Former Raritar	Arsenal, Edison, NJ	
PROJECT NUMB	ER:	427946		PROJECT	DESCRI	IPTION:	Remedial Inve	stigation	
PROJECT MANA		Mark Ca	llaghan	UXO QUA	ALITY M	ANAGER:	Mike Malko		
Senior UXO Super	visor:	Chris Ro	ose	SITE HEA OFFICER		SAFETY	Jonathan Wald	ron	
AM WEATHER:	Cold		PM Cold WEATHER:			MAX TEMP F):	34	MIN TEMP 2 (F):	8
			SUMMARY OF WO	ORK PERF	ORMED	TODAY			
CH2M HILL star	ff observe LandN	Aarker su	and redo DGM areas of Rabcontractor setting up GPS nent, run through Instrumer	S equipmen nt Verificat	t on exca	avator at Web (IVS) to det			
			HEALTH AN						
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.									
	Was A Job Safet	ty Meeting	Held This Date?		⊠ Yes	No		HOURS ON JOB S uding Continuation S	
	Were there any l (If Yes, attach copy		ccidents this date? led OSHA report)		☐ Yes	⊠ No	CH2M HILL On-Site Hours		31
JOB	Was a Confined (If Yes, attach copy		ry Permit Administered This I	Date?	☐ Yes	No No	Subcontractor On-Site Hours		20
	Were Crane/ Ma	ın-lift/ Treı	nching/ Scaffold/ HV Electric/	High			Total On-Site Ho	ours This Date	51
$\backslash$	Work/ HAZMA' (If Yes, attach state		one? ecklist showing inspection perform	ned)	☐ Yes	⊠ No	Cumulative Total From Previous Re		7,156
			Vaste Released into the Environcident and proposed action)	nment?	☐ Yes	No No	Total Work Hour Construction	s From Start of	7,323
			OPERATIONS / 1	PRODUCT	ION REF	PORT			
			CI	H2M HILL					
	Employee		Work 1	Performed			Title/Trade	Hours	
	Mike Malko		QC/ Subcont				UXOQCS	10	
	onathan Waldron			abase manag			SSHO	10	
	Chris Rose			O Supervisor Geophysicist	or		SUXOS	10	
	Tamir Klaff		Beinof C				Geo	1	
USA ENVIRONMENTAL									

Employee Work Performed Title/Trade Hours DGM DGM Powers, Jessica NAEVA 10 Henessey, Dan NAEVA

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	EQUIPMENT (	ON HAND						
Description of Equipment	Make/Model/Manufacturer	Equipment	ID Number	Insp	ection Perfo	rmed By		
Job Trailer (Modspace rental)	ModSpace 10'x44'	2911:	59		CH2M HI	LL		
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125	PC-545		CH2M HI	LL		
2-Way Radios (7)	Motorola PR 400	N	A		CH2M HI	LL		
Metal detector	Schonsted	N	A		CH2M HI	LL		
GPS Equipment	Trimble	-	ntal		CH2M HI	LL		
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterpris	se Rental		CH2M HI	LL		
ARGO UTV	ARGO	ARC	GO 1		CH2M HI	LL		
INSPECTIONS AND TESTS PERFORMED								
Task/Activity Inspected	Inspection Performed	Te	sts		Findings	3		
Schonstedt inspection	Daily/Serviceability	QC (	Check		Pass			
GPS Equipment	Daily/Serviceability	Function and a	nccuracy		Pass			
Generator	Daily/ Serviceability	N	A		Pass			
Fire Extinguishers	Monthly	N	A		Pass			
First Aid Kit	Monthly	N	A		Pass			
Field Vehicles	Daily/Weekly	N	A		Pass			
Site Communication / 2 Way Radios	Daily	Radio	Check		Pass			
COMMENTS (acceptance status, inspection finding	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
WORK	AND/OR TESTS ACCOM	PLISHED OR IN I	PROGRESS					
Performed Work / Test for Today: Daily Tailgate, P DGM testing and QC check at IVS	ΓSP, field and equipment in	spections.						
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	Sig	gnature of Inspector	: Chris Ros	e				
Accumulation / NA Stockpile Area Inspected:								
No of NA No of Tanks NA Containers:	No.	of Roll-Off Boxes	: NA	No. o	of Drums	1 (55 gal)		
Inspection Results: One 55 gallon drum of MDAS insi	de locked storage container. De	ocumented and certi	fied as MDAS by	SUXOS and	UXOQC			
GENERAL COMMENTS								

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General Comments~ (rework, directives, etc.):				
	ATTACHMENTS			
List of Attachments: Daily QC Report, Daily PTSP, Weeks Marine Excavator photo log				
	Jonathan Waldron	24044		
	Chris Rose	2/18/14		
	PREPARER'S SIGNATURE	DATE		

F-495

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

Project.	RI/FS Former Raritan Arsenal			Date: <u>02/18/2014</u>		
LOCATION (		12 (Northern A . DSA3	rea and Formerly U	nmapped Area	as.)	
DESCRIPTION	ON OF WORK:	errestrial DGM	surveys			
WEATHER: TEMPERATU	⊠(CLEAR)  JRE:  npleted today by sub	☐(FOG) MIN: <u>28</u> °F	□(P.CLOUDY)	∐(Snow) MAX: <u>34</u> °F.	□(WINDY)	
CH2M Hill's s	subcontractor NAVE spent setting ip and t CH2M Hills head ge	A mobilized to	ent. Data on the IV	S was collecte	d and	
2. Work con	npleted today by QC	inspection sta	ıff :			
Escorted NA	VEA and monitored	work practice	and proceedures of	DGM crew.		
3. All work pe If not, explain	erformed in conform	ance with Work	k Plan requirements	? Yes		
4. Non-confo	rmances/deficiencie	s reported:				
5. Comments	S:					
		CERTIFICATION	ON: I certify that the a	bove report is c	omplete and	

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:	1561, NJ
Date: 2//8/14		
Supervisor: (shas Rose	) Job	
Activity: DGM		
Attendees: Print Na	ame	Sign Name
TO TO TO TO TO		Silver
Dessie Powers	3	James Davers
TAMER KLAVE		1-40
MAMALKO		mamelle
Chris 13 058		Ch ~~
List Tasks and verify that applica	able AHAs have been reviewed:	f 1 1.
KTK 675 Sed -1	ip Dam Set up	al testina
	()	
Tools/Equipment Required for	Tooley (loddon on Hold & D. )	
power tools):	Tasks (lauders, scarrolds, fall protec	tion, cranes/rigging, heavy equipment,
power tools).	CDC DCM	
MOSE tools, AIR,	GPO , USIM	
Potential H&S Hazards, includir	ng chemical, physical, safety, biologi	cal and environmental (check all that
apply):		
Chemical burns/contact	Trench, excavations, cave-ins	★ Ergonomics
Pressurized lines/equipment	✓ Overexertion  ✓ Overex	Chemical splash
Thermal burns	∠ Pinch points	Poisonous plants/insects
Electrical	∠ Cuts/abrasions	Eye hazards/flying projectile
Weather conditions	Spills	Inhalation hazard
Heights/fall > 6 feet	Overhead Electrical hazards	✓ Heat/cold stress
Noise	Elevated loads	
∠ Explosion/fire		Water/drowning hazard
Radiation	Slips, trip and falls	— Heavy equipment
	<u>×</u> Manual lifting	Aerial lifts/platforms
Confined space entry	Welding/cutting	Demolition
Underground Utilities	Security	Poor communications
Other Potential Hazards (Descri	be):	
may tax i	weather Winter	Conttros
		3.6

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

Name (Print): In Waldon
Signature: In Waldon

Date: 2/18/14



# 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



# APPENDIX F - DAILY REPORTS **CH2M HILL CH2MHILL** DAILY PRODUCTION REPORT CONTRACT NAME: Former Raritan Arsenal REPORT NO: CONTRACT NUMBER: W912DY-09-D-0060 REPORT DATE: REVISION NUMBER: 1 REVISION DATE: TASK ORDER NUMBER: 003 PROJECT NAME / LOCATION: PROJECT NUMBER: 427946 PROJECT DESCRIPTION: PROJECT MANAGER: Mark Callaghan UXO QUALITY MANAGER: Senior UXO Supervisor: Chris Rose SITE HEALTH & SAFETY OFFICER: PM MAX TEMP Cold, light rain Cold to warm, rain WEATHER: WEATHER: (F): 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

Was A Job Safety Meeting Held This Date?	⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SITE T DATE (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	30
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	20
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High	_	⊠ No	Total On-Site Hours This Date	50
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	☐ Yes		Cumulative Total of Work Hours From Previous Report	7,206
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	Total Work Hours From Start of Construction	7,373

063

2-19-14

1-28-14

Mike Malko Jonathan Waldron

43

Former Raritan Arsenal, Edison, NJ

MIN TEMP

(F):

30

Remedial Investigation

(If Yes, attach description of inc	ident and proposed action)	Construction	7,575
	OPERATIONS / PRODUCTION	N REPORT	
	CH2M HILL		
Employee	Work Performed	Title/Trade	Hours
Mike Malko	QC/ Subcontractor Oversigh	t UXOQCS	10
Jonathan Waldron	SSHO/ Database manager.	SSHO	10
Chris Rose	Senior UXO Supervisor	SUXOS	10
	USA ENVIRONMENT	AL	
Employee	Work Performed	Title/Trade	Hours
Powers, Jessica	DGM	NAEVA	10
Henessey, Dan	DGM	NAEVA	10
·			

F-501

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

MAY 2021

	EQUIPMENT (	ON HAND						
Description of Equipment	Make/Model/Manufacturer	Equipment	ID Number	Insp	ection Perfo	rmed By		
Job Trailer (Modspace rental)	ModSpace 10'x44'	2911:	59		CH2M HI	LL		
Generator (Sunbelt Rental)	Ingersoll Rand G70	341125	PC-545		CH2M HI	LL		
2-Way Radios (7)	Motorola PR 400	N	A		CH2M HI	LL		
Metal detector	Schonsted	N	A		CH2M HI	LL		
GPS Equipment	Trimble	Res	ntal		CH2M HI	LL		
Rental vehicles (5)	Enterprise Vehicle Rentals	Enterpris	se Rental		CH2M HI	LL		
ARGO UTV	ARGO	ARO	GO 1		CH2M HI	LL		
INSPECTIONS AND TESTS PERFORMED								
Task/Activity Inspected	Inspection Performed		sts		Findings	3		
Schonstedt inspection	Daily/Serviceability	QC (	Check		Pass			
GPS Equipment	Daily/Serviceability	Function and a	nccuracy		Pass			
Generator	Daily/ Serviceability	N	A		Pass			
Fire Extinguishers	Monthly	N	A		Pass			
First Aid Kit	Monthly	N	A		Pass			
Field Vehicles	Daily/Weekly	N	A		Pass			
Site Communication / 2 Way Radios	Daily	Radio	Check		Pass			
	AND/OR TESTS ACCOMI		PROGRESS					
Performed Work / Test for Today: Daily Tailgate, PTDGM	SP, field and equipment in	spections.						
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								
	ı		٠ - سد					
Inspection Performed By: Chris Roase	Sig	nature of Inspector	: Chris Ros	e				
Accumulation / NA Stockpile Area Inspected:								
No of NA No of Tanks NA Containers:	No	of Roll-Off Boxes	: NA	No. o	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								

F-502

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

MAY 2021

General Comments~ (rework, directives, etc.):					
ATTACHMENTS					
List of Attachments: Daily QC Report, Daily PTSP,					
	Jonathan Waldron	2/10/14			
	Chris Rose	2/19/14			
_	PREPARER'S SIGNATURE	DATE			

F-503

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

#### 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:	$\boxtimes$ (CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	⊠(Rain)	$\square$ (WINDY)	
TEMPERATI	JRE:	MIN: <u>30</u> °F		MAX: <u>43</u> °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

Muchala Melko



#### **CH2NHILL**

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

Project:	Location: Ec	1801,NJ				
Date: 2/19/14						
Supervisor: Chais Rose Job						
	ersight of Subschwecks M	200				
	0	~				
Attendees: Print 1	Vame	O Sign Name				
Jessie Powers		20				
Ja (Dale)		Jenie L Q'eureta				
JAMER KLARY						
Shals Rose		tha .				
MAMALKO		nameles				
Liet Teals and south the state of						
List rasks and verify that applie	cable AHAs have been reviewed:					
Daly sta	bet ato shateme	on Excavator				
	Visit in the second sec					
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protec	ction, cranes/rigging, heavy equipment,				
power tools):		tuon, cranes, ngging, neavy equipment,				
Dom. Acap, bookt	sys, Powertools, f	TK (200				
01 100 10	20) 1777 (000) 1	AIR 910				
Potential H&S Hazards, including	ng chemical physical safety higher	ical and environmental (check all that				
apply):	so enerthear, physical, safety, biologi	ical and environmental (check all that				
Chemical burns/contact	Trough					
Pressurized lines/equipment	Trench, excavations, cave-ins	<u>∠</u> Ergonomics				
Thermal burns	∑ Overexertion	Chemical splash				
Electrical	Pinch points	Poisonous plants/insects				
Weather conditions	∠Cuts/abrasions	Eye hazards/flying projectile				
Heights/fall > 6 feet	1 spills refuells	Inhalation hazard				
Noise	Overhead Electrical hazards	★ Heat/cold stress				
,	Elevated loads	★ Water/drowning hazard				
Explosion/fire	Slips, trip and falls	∠ Heavy equipment				
Radiation	Manual lifting	Aerial lifts/platforms				
Confined space entry	Welding/cutting	Demolition				
Underground Utilities	Security	Poor communications				
Other Potential Hazards (Descri	be):					
topotal nxo-Wa	C. Slover (red)	0- 0-11 - 1-				
	1 sept of sound	e circletons Tey				
		**************************************				

F-505

Hazard Control Measure	s (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
L Thermal/lined	Sloping	Fire extinguishers	Lockout/tagout
<u>≺</u> Eye	Shoring	Fire watch	Grounded
✓ Dermal/hand	Trench box	Non-spark tools	⊀ Panels covered
Hearing	Barricades	Grounding/bonding	_>GFCI/extension cords
Respiratory		Intrinsically safe equipment	Power tools/cord inspected
✓ Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	XDaily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	✓ Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	<u> </u> ✓ Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	<u>⊀</u> Competent person
Excavation	Competent person	Heavy equipment	X Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	⊀ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	Hazcom
Underground Utilities	Incident Communications	AHA' 5	
Dig alert called	✓ Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	_applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	cesses included?
Client review	24 hour notification setup		
soft locate necessary?	Clear communications		
1 //	observations from prior day, soow	etc.):	

Name (Print): Signature:

Date: 2/19/14

#### **CH2MHILL**

Safe Behavior Observation Form				
Project Number: 42'	7946	Client/Progran	m: USA Corps of Engineers /Mur	nitions Response
Project Name: RI/FS	Raritan Arsenal	Observer: Michael Malko		Date:02/19/2014
•			ground Information/ nents:	
Task/Observation Observed:	MMRP Remedial Investigation/ / DGM Equipment Set Up			

- 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

<ul> <li>Positive, corrective, cooperative, collaborative feedback/recommendations</li> </ul>						
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			
Properly trained/qualified/experienced	Х		team members were properly outfitted in level D PPE to include boots, safety glasses, and high visibility			
Tools/equipment available and adequate	X		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.			
Proper use of tools	Х		Questionable Activity/Unsafe Condition Observed:			
Barricades/work zone control	NA		None			
Housekeeping	Х					
Communication	Х					
Work Approach/Habits	X					
Attitude	X					
Focus/attentiveness	X		Observer's Corrective Actions/Comments: NA			
Pace	X					
Uncomfortable/unsafe position	Х					
Inconvenient/unsafe location	Х					
Position/Line of fire	NA					
Apparel (hair, loose clothing, jewelry)	Х					
Repetitive motion	Х		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

CONTRACT: W912DY-09-D-0060 / TO: 003 MAY 2021 F-508

## **CH2MHILL** portion 6 of DSA 1. Daily inspections of equipment onsite.

#### **CH2M HILL** DAILY PRODUCTION REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		065			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		2-21-14			
REVISION NUM	IBER:	1		REVISION DATE:		1-28-14			
TASK ORDER N	IUMBER:	003		PROJECT NAME / LOCATION:		Former Raritan Arsenal, Edison, NJ		NJ	
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	AGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko		
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Walds	ron		
AM WEATHER:	Partly sunny		PM WEATHER:	Partly sur	nny	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

#### 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.

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:

			\
			,
	B	FETY	
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		SA	,
			/
'			/

Was A Job Safety Meeting Held This Date?	⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SITE TH DATE (Including Continuation Sheets)		
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	20	
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	20	
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High	_		Total On-Site Hours This Date	40	
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	☐ Yes	⊠ No	Cumulative Total of Work Hours From Previous Report	7409	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	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 Jessies	DCM	NAEVA	10

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

MAY 2021

Powers, Jessica

Henessey, Dan

DGM

DGM

NAEVA

NAEVA

10

		_		
		EQUIPMENT ON		
	on of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace re		ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rent	tal)	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 TEST	C DEDECODMED	
Tools/A at	ivity Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	ivity hispected	Daily/Serviceability	QC Check	Pass
GPS Equipment			-	
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
Douboursed Worls / Took 4		ORK AND/OR TESTS ACCOMPL		
DGM Planned Work / Test for Planned Work / Test for CHANGED CONDITI	for Today: Daily Tailgate Tomorrow: DGM  Next Week: Marine Ope	rations and DGM	nections.	
DGM Planned Work / Test for Planned Work / Test for CHANGED CONDITI	for Today: Daily Tailgate Tomorrow: DGM  Next Week: Marine Ope  ONS/DELAY/CONFLIC te and weather conditions,	rations and DGM  TS ENCOUNTERED (List any con	offlicts with the project [i.e., scop 0 due to lightning in the area	
DGM Planned Work / Test for Planned Work / Test for CHANGED CONDITI project attributable to sit VISITORS AND DISC	Tomorrow: DGM  Next Week: Marine Ope  ONS/DELAY/CONFLIC te and weather conditions,  CUSSIONS:	rations and DGM  TS ENCOUNTERED (List any conetc.): Field work cancelled at 153  DAS ACCUMULATION/STOCKI	ordicts with the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the	a and heavy rain.
Planned Work / Test for Planned Work / Test for CHANGED CONDITI project attributable to sit VISITORS AND DISC Inspection Performed By Accumulation /	Tomorrow: DGM  Next Week: Marine Ope  ONS/DELAY/CONFLIC te and weather conditions,  CUSSIONS:  M  y: Chris Roase NA	rations and DGM  TS ENCOUNTERED (List any conetc.): Field work cancelled at 153  DAS ACCUMULATION/STOCKI	offlicts with the project [i.e., scop 0 due to lightning in the area	a and heavy rain.
Planned Work / Test for Planned Work / Test for CHANGED CONDITI project attributable to sit	Tomorrow: DGM  Next Week: Marine Ope  ONS/DELAY/CONFLIC te and weather conditions,  CUSSIONS:  M  y: Chris Roase NA	rations and DGM  TS ENCOUNTERED (List any conetc.): Field work cancelled at 153  DAS ACCUMULATION/STOCKI	ordicts with the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the project [i.e., scop 0 due to lightning in the area of the	
Planned Work / Test for  Planned Work / Test for  CHANGED CONDITI project attributable to sit  VISITORS AND DISC  Inspection Performed By Accumulation / Stockpile Area Inspected No of Containers:	Tomorrow: DGM  Next Week: Marine Ope  ONS/DELAY/CONFLIC te and weather conditions,  CUSSIONS:  M  y: Chris Roase NA d: No of Tanks	rations and DGM  TS ENCOUNTERED (List any conetc.): Field work cancelled at 153  DAS ACCUMULATION/STOCKI	project [i.e., scop of due to lightning in the area of Inspector:  Chris I f Roll-Off Boxes:  NA	Rose  No. of Drums 1 (55 gal)

F-510

General Comments~ (rework, directives, etc.):		
	ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,		
	Chris Rose	2/21/14
_	PREPARER'S SIGNATURE	DATE

F-511

Project.	RI/FS Former Rarita	an Arsenal		Date: 02/21/2	2014
LOCATION (	OF WORK: DSA 1				
	Te	errestrial DGM	Survevs		
DESCRIPTION	ON OF WORK:		· , .		
WEATHER:	☐(CLEAR)	☐(FOG)	$\square$ (P.CLOUDY)	$\boxtimes$ (Rain)	$\square$ (WINDY)
TEMPERATI	URE:	MIN: <u>36</u> °F		MAX: <u>42</u> °F.	
1. Work con	npleted today by sub	contractor:			
CH2M Hill's	subcontractor NAVE	A conducted D	ligital Geophysical M	Manning (DGM	of DSA 1
	as tested in the IVS				
	ed and data is await				
2. Work con	npleted today by QC	inspection sta	ff:		
		•			
Escorted NA	VEA and monitored v	work practice a	and procedures of D	OGM crew.	
				2 1/	
	erformed in conforma	ince with Work	Requirements	? Yes	
If not, explain	1.				_
4 Non-confo	rmances/deficiencies	s reported:			_
4. NOII-COIIIC	imances/denciencies	s reported.			_
5. Comments	2.				_
J. Comment	<b>5.</b>				
,					

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

## HSSE Target Zero World-Class Performance

#### CH2MHILL

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

Date 2/ FEB 2014	An Location: En	SON NU
Supervisor: CHRIS ROS Activity: DGM MAPP	Job ING	
Attendees: Print Na		
Jessie Powers	me	Sign Name
Do Harris		Juni L Davers
Ehrz Rage		E IL
List Tasks and verify that applical		
DRIVING, C	UTU OPERATION	LIFTING
Tools/Equipment Required for To	oske fladders EE LL C D	
power tools):	ssks (lauders, scarrolds, fall protect	ion, cranes/rigging, heavy equipment,
	2 -	
21161	ARGO HAN	UD TOOLS
Potential H&S Hazards, including	chemical, physical, safety, biologic	al and environmental (check all that
apply):		that that
Chemical burns/contact	Trench, excavations, cave-ins	Ergonomin
Pressurized lines/equipment	∠Overexertion	Ergonomics
Thermal burns	∠Pinch points	Chemical splash
Electrical	2Cuts/abrasions	Poisonous plants/insects
Weather conditions	Spills	Eye hazards/flying projectile
Heights/fall > 6 feet	Overhead Electrical hazards	Inhalation hazard
✓ Noise		∠Heat/cold stress *
★ Explosion/fire	Elevated loads	Water/drowning hazard
Radiation	Slips, trip and falls	Heavy equipment
Confined space entry	Manual lifting	Aerial lifts/platforms
	Welding/cutting	Demolition
Underground Utilities	Security	Poor communications
Other Potential Hazards (Describe	2):	

F-513

PPE	es (Check All That Apply):	Trian Danas air	T = -
	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	X Fire extinguishers	Lockout/tagout
<b>⊻</b> Eye	_Shoring	Fire watch	Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	_LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	∠First-aid kit	∠Work/rest regime	Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	∠ Liquids available	Flags
Permit completed		Monitoring	Signs
Rescue		★ Training	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts	∠ Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	∠Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	XFA/CPR
Energized work		Cranes and rigging	
		Utilities marked	Confined Space
Hadanan d Hailain			⊀ Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by TM/CM	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater		on site and current	
As-builts reviewed	*Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident prod	cesses included?
Client review			
soft locate necessary?	z clear communications		
Field Notes (including o	bbservations from prior day, e	etc.):	
		•	

Name (Print): MH MACKC
Signature: Manualle Date: 2FEB14

•	MHILL	
CONTRACT NA	AME:	Form
CONTRACT N	JMBER:	W91
REVISION NUM	MBER:	1
TASK ORDER	NUMBER:	003
PROJECT NUM	IBER:	4279
PROJECT MAN	NAGER:	Mark
Senior UXO Sup	pervisor:	Chris
AM WEATHER:	Sunny	
NAEVA set up	and NAEVA pe towed array D GM in DSA1. D	GM equi
	ONS TAKEN T	ODAY/SA

#### **CH2M HILL DAILY PRODUCTION REPORT**

CONTRACT NA	ME:	Former	Raritan Arsenal		REPORT NO:		066		
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	E:	2-22-14		
REVISION NUM	MBER:	1			REVISION DAT	ГЕ:	1-28-14		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritar	n Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	IAGER:	Mark Callaghan		UXO QUALITY MANAGER:		Mike Malko			
Senior UXO Sup	ervisor:	Chris Rose			SITE HEALTH OFFICER:	& SAFETY	Jonathan Wald	lron	
AM WEATHER:	Sunny		PM WEATHER:	Sunny		MAX TEMP (F):	56	MIN TEMP (F):	34
		·	CIDANA	N OF W	DIZ DEDECODA	ED TODAY			

#### SUMMARY OF WORK PERFORMED TODAY

ducted tailgate safety brief and filled out Pre Task Safety Plan.

nent and ran through Instrument Verification Strip (IVS). DGM was completed on transects 6 of DSA 1 arted in Area 12 completing transects 4, 5, 6, 7, 8 and 9.

#### HEALTH AND SAFETY REPORT

ETY INSPECTIONS CONDUCTED (Include Observations, Safety Violations, Corrective Instructions Given, ty Inspections Conducted:

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.



Was A Job Safety Meeting Held This Date?	⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SI DATE (Including Continuation Sh	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	20
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	20
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High			Total On-Site Hours This Date	40
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	Yes	⊠ No	Cumulative Total of Work Hours From Previous Report	7409
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	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	<u> </u>					
Employee	Work Performed	Title/Trade	Hours				
Dayyara Jassian	DCM	NAEVA	10				

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

MAY 2021

Powers, Jessica

Henessey, Dan

DGM

DGM

NAEVA

NAEVA

10

		EQUIPMENT ON	1	
	of Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace rent		ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)		Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)		Motorola PR 400 Schonsted	NA NA	CH2M HILL
Metal detector	S Equipment		NA D	CH2M HILL
		Trimble  Enterprise Vehicle Rentals	Rental	CH2M HILL
Rental vehicles (5)	ARGO UTV		Enterprise Rental	CH2M HILL
ARGO UTV		ARGO	ARGO 1	CH2M HILL
		INSPECTIONS AND TEST	S PERFORMED	
Task/Activi	ty Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	ty inspected	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 W	ay Radios	Daily	Radio Check	Pass
DGM	Today: Daily Tailgate	ORK AND/OR TESTS ACCOMPL, PTSP, field and equipment insp		
DGM	Today: Daily Tailgate	, PTSP, field and equipment insp		
DGM  Planned Work / Test for To	Today: Daily Tailgate omorrow: DGM  ext Week: Marine Ope	, PTSP, field and equipment inspressions and DGM  TS ENCOUNTERED (List any core)	pections.	of work and/or drawings], delays to the
Planned Work / Test for To Planned Work / Test for No CHANGED CONDITION project attributable to site a	Today: Daily Tailgate  omorrow: DGM  ext Week: Marine Ope:  NS/DELAY/CONFLIC  and weather conditions, of	, PTSP, field and equipment inspressions and DGM  TS ENCOUNTERED (List any core)	pections.	of work and/or drawings], delays to the
DGM  Planned Work / Test for To  Planned Work / Test for No  CHANGED CONDITION  project attributable to site a	Today: Daily Tailgate omorrow: DGM  ext Week: Marine Oper NS/DELAY/CONFLIC und weather conditions, of	, PTSP, field and equipment inspressions and DGM  TS ENCOUNTERED (List any core)	officts with the project [i.e., scope	of work and/or drawings], delays to the
Planned Work / Test for To Planned Work / Test for No CHANGED CONDITION project attributable to site a VISITORS AND DISCUS	Today: Daily Tailgate  omorrow: DGM  ext Week: Marine Ope.  NS/DELAY/CONFLIC and weather conditions, of the conditions o	PTSP, field and equipment inspractions and DGM  TS ENCOUNTERED (List any constc.):  DAS ACCUMULATION/STOCKI	offlicts with the project [i.e., scope	
Planned Work / Test for To Planned Work / Test for No CHANGED CONDITION project attributable to site a VISITORS AND DISCUS Inspection Performed By: Accumulation /	Today: Daily Tailgate omorrow: DGM  ext Week: Marine Oper NS/DELAY/CONFLIC und weather conditions, of	PTSP, field and equipment inspractions and DGM  TS ENCOUNTERED (List any constc.):  DAS ACCUMULATION/STOCKI	officts with the project [i.e., scope	
Planned Work / Test for To	Today: Daily Tailgate  omorrow: DGM  ext Week: Marine Ope  NS/DELAY/CONFLIC and weather conditions, of  SSIONS:  MI  Chris Roase	, PTSP, field and equipment inspractions and DGM  TS ENCOUNTERED (List any coretc.):  DAS ACCUMULATION/STOCKI	offlicts with the project [i.e., scope	
Planned Work / Test for To Planned Work / Test for No CHANGED CONDITION project attributable to site a  VISITORS AND DISCUS  Inspection Performed By: Accumulation / Stockpile Area Inspected: No of Containers:	Today: Daily Tailgate  omorrow: DGM  ext Week: Marine Ope:  NS/DELAY/CONFLIC and weather conditions, of  Chris Roase  NA  No of Tanks	, PTSP, field and equipment inspractions and DGM  TS ENCOUNTERED (List any coretc.):  DAS ACCUMULATION/STOCKI	PILE AREA INSPECTION  ature of Inspector: Chris Ro	No. of Drums 1 (55 gal)

F-516

General Comments~ (rework, directives, etc.):		
	ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,		
	Jonathan Waldron	2/22/14
	Chris Rose	2/22/14
-	PREPARER'S SIGNATURE	DATE

F-517

Project.	RI/FS Former Rarita	an Arsenal		Date: 02/22/2	2014			
LOCATION (	OF WORK: DSA 1	, Area 12 (Sου	uth)					
Terrestrial DGM Surveys								
DESCRIPTION	ON OF WORK:							
WEATHER:	⊠(CLEAR)	□(FOG)	□(P.CLOUDY)	☐(Rain)	□(WINDY)			
TEMPERATI		MIN: <u>32</u> °F	_,	MAX: <u>50</u> °F.				
1. Work con	npleted today by sub	contractor:						
CH2M Hill's	subcontractor NAVE	A continued Di	gital Geophysical M	Mapping (DGM)	of DSA 1 and			
,	uth). Equipment was							
DSAT and tra	ansects T12T- 4, 5, 6	o, 7, 6, and 9, 1	were mapped and d	lata is awaiting	QC.			
2. Work con	npleted today by QC	inspection sta	ff:					
Eccerted NA	VEA and manitared	work proctice (	and propedures of F	OCM arow				
ESCOREG INA	VEA and monitored v	work practice a	and procedures of L	DGIVI CIEW.				
	erformed in conforma	nce with Work	Plan requirements	? Yes				
If not, explain	1:							
4. Non-confo	rmances/deficiencies	s reported:						
5. Comments	S:							

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



#### CH2WHILL

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

Date: 22 FEB 14	Location: E	DISON NU
	3	
Supervisor: CH215	KOSE Job	
Activity: DGM TA	PIUSETS	
Attendees: Print N	Namo	C: 11
1 .	valile	Sign Name
Jessie Powers		Quait of Down
C.1221056		12 m-
MAMBIKE		minul
List Tasks and verify that applie	cable AHAs have been reviewed:	
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall prote	ection, cranes/rigging, heavy equipment,
power toolsj.		
EM 61 X	1000 11000	7
	THIVIS	10065
Potential H&S Hazards including	ag chawil	
Potential H&S Hazards, including apply):	ng chemical, physical, safety, biolog	gical and environmental (check all that
		gical and environmental (check all that
Chemical burns/contact	ng chemical, physical, safety, biolog	
Chemical burns/contact Pressurized lines/equipment		Ergonomics
Chemical burns/contactPressurized lines/equipmentThermal burns	Trench, excavations, cave-ins	Ergonomics Chemical splash
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-ins	Ergonomics Chemical splash Poisonous plants/insects
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-insOverexertionPinch points	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet .	Trench, excavations, cave-ins Overexertion Pinch points Cuts/abrasions	Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpills	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet .	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loads	Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and falls	Ergonomics Chemical splash Poisonous plants/insects Keye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation	Trench, excavations, cave-ins Overexertion  & Pinch points  & Cuts/abrasions Spills Overhead Electrical hazards Elevated loads  & Slips, trip and falls  & Manual lifting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry	Trench, excavations, cave-insOverexertion Pinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsXSlips, trip and fallsManual liftingWelding/cutting	ErgonomicsChemical splashPoisonous plants/insectsXEye hazards/flying projectileInhalation hazardXHeat/cold stressXWater/drowning hazardXHeavy equipmentAerial lifts/platformsDemolition
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Hazard Control Measur	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	YFire extinguishers	Lockout/tagout
<b>≯</b> Eye	Shoring	Fire watch	Grounded
∠ Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
X Reflective vests	Locate buried utilities		Overhead line clearance
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Hard Hat	Entry Permits/notification		
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Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	✓ First-aid kit	✓ Work/rest regime	Traffic control
Air monitoring	≥ Eye wash	★ Rest area	Barricades
Trained personnel	★ FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	<b>∠</b> Monitoring	Signs
Rescue		-√Training	
Permits	Demolition	Inspections:	Training:
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	√Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	∠ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	∠Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	∠Work stops until cleared by	★reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	∠Immediate calls to TM/CM	∠applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	cesses included?
Client review	₹24 hour notification setup	The second site incident pro	eesses meidded:
soft locate necessary?	∠Clear communications		
Field Notes (including	observations from prior day, e	etc.):	
, , , , , , , , , , , , , , , , , , , ,	prior day, c	ಸುವರ್ಷ≱್	

Name (Print): MAMAL+O
Signature: MAMAL+O

Date: 22 FFB14

CH2	MHILL			CH2M RODUC	HILL TION REP	ORT	1				
CONTRACT NA	ME:	Former F	Raritan Arsenal		REPORT NO:			067			
CONTRACT NU	JMBER:	W912DY	7-09-D-0060		REPORT DATE	Ξ:		2-23-14			
REVISION NUM	MBER:	1			REVISION DA	TE:		1-28-14			
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOC	CATION	: Former Raritar	tan Arsenal, Edison, NJ		
PROJECT NUM	BER:	427946			PROJECT DES	CRIPTIO	ON:	Remedial Inve	stigation	gation	
PROJECT MAN	NAGER:	Mark Ca	llaghan		UXO QUALITY	Y MANA	AGER:	Mike Malko			
Senior UXO Sup	ervisor:	Chris Rose S			SITE HEALTH OFFICER:	& SAFI	ETY	Jonathan Wald	Jonathan Waldron		
AM WEATHER:	Sunny		PM WEATHER:	Sunny		MAX (F):	TEMP	MIN TEMP (F):	28		
			SUMMA	RY OF WO	ORK PERFORMI	ED TOI	OAY				
	nd NAEVA person towed array DGM		_	-			-		ed in DSA 3 and	Area 12.	
			HI	EALTH AN	D SAFETY REP	ORT					
Corrective Action Conduct safety	ONS TAKEN TOD ns Taken, and Result tailgate and fill or ns of equipment o	ts of Safety at PTSP.	TY INSPECTION Inspections Cond	NS CONDI ucted:	UCTED (Include (	Observat	ions, Safe	ety Violations, Corr	rective Instructions	Given,	
	OPICS: Footing, sl		and falls, field o	conditions	s, transportation	n to and	d from f	ield location, UX	ко.		
	Was A Job Safe	ty Meeting	Held This Date?			Yes	□ No		HOURS ON JOE uding Continuation		
/ > \	(If Yes, attach cop	y of complet				Yes	⊠ No	CH2M HILL On-	Site Hours	22	
JOB	Was a Confined (If Yes, attach cop		ry Permit Adminis	tered This I	Date?	Yes	⊠ No	Subcontractor On	-Site Hours	22	
J. A.F.			nching/ Scaffold/ H	HV Electric			_	Total On-Site Hours This Date 44		44	
\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Work/ HAZMA (If Yes, attach state		one? cklist showing inspe	ction perform	med)	Yes	⊠ No	Cumulative Total of Work Hours From Previous Report		7449	
			Vaste Released into cident and proposed		onment?	Yes	⊠ No	Total Work Hour Construction	s From Start of	7493	
			OPER	ATIONS /	PRODUCTION I	REPOR'	Т				
				Cl	H2M HILL						
	Employee			Work	Performed			Title/Trade	Но	urs	
	Mike Malko		C	C/ Subcon	tractor Oversight			UXOQCS	1	1	
	Jonathan Waldron			SSHO/ Dat	abase manager.			SSHO	(		
	Chris Rose			Senior UX	O Supervisor			SUXOS	1	1	
					NAEVA		1				
	Employee			Work	Performed			Title/Trade	Но		
	Downer Incrine			т	OCM	NAEVA		1	1		

DGM

DGM

F-521

NAEVA

NAEVA

11

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

Powers, Jessica

Henessey, Dan

		EQUIPMENT ON	I HAND	
Description o	f Equipment	Make/Model/Manufacturer	Equipment ID Number	Inspection Performed By
Job Trailer (Modspace renta		ModSpace 10'x44'	291159	CH2M HILL
Generator (Sunbelt Rental)	u)	Ingersoll Rand G70	341125 PC-545	CH2M HILL
2-Way Radios (7)		Motorola PR 400	NA	CH2M HILL
Metal detector		Schonsted	NA 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
		. Interes	i i i i i i i i i i i i i i i i i i i	C112.11 11122
		INSPECTIONS AND TEST	TS PERFORMED	
Task/Activit	y Inspected	Inspection Performed	Tests	Findings
Schonstedt inspection	<u> </u>	Daily/Serviceability	QC Check	Pass
GPS Equipment		Daily/Serviceability	Function and accuracy	Pass
		-	<u> </u>	
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 Wa	y Radios	Daily	Radio Check	Pass
DGM	Гоday: Daily Tailga	VORK AND/OR TESTS ACCOMPL te, PTSP, field and equipment insp		
Planned Work / Test for To	Today: Daily Tailgate morrow: DGM  xt Week: Marine Operation of the morrow of the morr	te, PTSP, field and equipment insponent inspon	pections.	work and/or drawings], delays to the
Planned Work / Test for To	roday: Daily Tailgate morrow: DGM  xt Week: Marine Operations of the conditions of t	te, PTSP, field and equipment insponent inspon	pections.	work and/or drawings], delays to th
DGM  Planned Work / Test for To  Planned Work / Test for Ne  CHANGED CONDITION  project attributable to site an	Today: Daily Tailgate morrow: DGM  Ext Week: Marine Operation of the morrow of the mor	te, PTSP, field and equipment insponent inspon	nflicts with the project [i.e., scope of	work and/or drawings], delays to th
Planned Work / Test for To Planned Work / Test for Ne Planned Work / Test for Ne CHANGED CONDITION project attributable to site an	Today: Daily Tailgate morrow: DGM  Ext Week: Marine Operation of the morrow of the mor	cerations and DGM  CTS ENCOUNTERED (List any cort, etc.):	nflicts with the project [i.e., scope of	
Planned Work / Test for To Planned Work / Test for Ne CHANGED CONDITION project attributable to site an VISITORS AND DISCUS Inspection Performed By: Accumulation /	roday: Daily Tailgate morrow: DGM  xt Week: Marine Operation of the second seco	cerations and DGM  CTS ENCOUNTERED (List any cort, etc.):	nflicts with the project [i.e., scope of	
Planned Work / Test for To Planned Work / Test for Ne CHANGED CONDITION project attributable to site an	roday: Daily Tailgate morrow: DGM  xt Week: Marine Operation of the second seco	te, PTSP, field and equipment insponent inspon	nflicts with the project [i.e., scope of	

F-522

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

MAY 2021

General Comments~ (rework, directives, etc.):		
	ATTACHMENTS	
List of Attachments: Daily QC Report, Daily PTSP,		
	Jonathan Waldron	0.004.4
	Chris Rose	2/23/14
-	PREPARER'S SIGNATURE	DATE

F-523

Project.	RI/FS Former Rarit	an Arsenal		Date: 02/23/2	2014
LOCATION	OF WORK: DSA 3	3, Area 12 (For	merly Unmapped A	reas) Area 12 (	North)
DECODIDE	T	errestrial DGM	Surveys		
DESCRIPTION	ON OF WORK:				
WEATHER:	⊠(CLEAR)	∏(FOG)	$\square$ (P.CLOUDY)	☐(Rain)	$\square$ (WINDY)
TEMPERAT	URE:	MIN: <u>32</u> °F		MAX: <u>50</u> °F.	
4 187 1					
	npleted today by sub				
	subcontractor NAVE merly Unmapped Ar				
and post ope	erations. Transects D	SA 3-1 thru 13	B in DSA 3 and trans	sects T12T- 10	thru 24 were
mapped and	data is awaiting QC	•			
2. Work cor	npleted today by QC	inspection sta	iff:		
	The second secon				
Escorted NA	VEA and monitored	work practice a	and procedures of D	OGM crew.	
	erformed in conforma	ance with Worl	k Plan requirements	? Yes	_
If not, explain	n:				
4. Non-confo	ormances/deficiencie	s reported:			
		•			
5. Comments	s:				

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

Michael a Milko



#### **GH2IVIHILL**

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

Project: RYFS RAQI Date: 23 FBB 14	Location: E	DISON NU
Supervisor:	Job	
upervisor: activity: D G M TR	AWSECTO	
Attendees: Print N		Sign Name
Jeccie Pawers		Orania X Director
INI A WIACHE		ma wall
chris Rase		The fire
ist Tasks and verify that applic	able AHAs have been reviewed:	
^		
155 05 171	UTU OPE, INTI	0 K
032 04 111	100 10008	
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protec	ction, cranes/rigging, heavy equipment,
power tools):		- way samed upones, nearly equipment,
Potential H&S Hazards, includir	ng chemical, physical, safety, biolog	ical and environmental (check all that
apply):		
Chemical burns/contact	Trench, excavations, cave-ins	Ergonomics
Pressurized lines/equipment	Overexertion	Chemical splash
Thermal burns	Pinch points	Poisonous plants/insects
Electrical	Cuts/abrasions	✓ Eye hazards/flying projectile
Weather conditions	Spills	Inhalation hazard
_ Heights/fall > 6 feet	Overhead Electrical hazards	★ Heat/cold stress
_ Noise	Elevated loads	★ Water/drowning hazard
Explosion/fire	Slips, trip and falls	✓ Heavy equipment
Radiation	★ Manual lifting	
Confined space entry	Welding/cutting	Aerial lifts/platforms
Underground Utilities	Security	Demolition
Other Potential Hazards (Descri		Poor communications
other Potential Hazards (Descri	ine):	

Hazard Control Measure	es (Check All That Apply):		
PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	₹Fire extinguishers	Lockout/tagout
<b>★</b> Eye	Shoring	Fire watch	Grounded
<b>∠</b> Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
∠Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	_LEL/02	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
warming system	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	₹Traffic control
Air monitoring		Rest area	Barricades
Trained personnel	★FA-CPR trained personnel	Liquids available	Flags
Permit completed	X Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Training:
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	Competent person
Excavation	Competent person	Heavy equipment	Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	Confined Space
		Utilities marked	¥_ Hazcom
Underground Utilities	Incident Communications	AHA's	
Dig alert called	Work stops until cleared by	₹reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	Xon site and current	
As-builts reviewed	Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	24 hour notification setup	+	
soft locate necessary?	Clear communications		
soft locate necessary.			
Field Notes (including	observations from prior day, o	etc.):	
MUDDY		THEO WORK	F12
12/1/6	FINE BOIL	MENITIN	AREA
1 1 2	DY BOULP	1. (16.1)	D. C. T.

Name (Print): MAMMALKO
Signature: MAMMALKO
Date: 23 FEB 17

CH2MHILL

## CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		68			
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE:		2-24-14	2-24-14	
REVISION NUM	VISION NUMBER: 1 REVISION DATE:		ΓE:	1-28-14	1-28-14				
TASK ORDER N	K ORDER NUMBER: 003 PROJECT NAME / LOCATIO		IE / LOCATION:	Former Raritan Arsenal, Edison, NJ		NJ			
PROJECT NUM	CT NUMBER: 427946 P		PROJECT DESCRIPTION:		Remedial Investigation				
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY MANAGER:		Mike Malko	Mike Malko	
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron		
AM WEATHER:	Cold		PM WEATHER:	Cold	cold MAX TEMP (F):		38	MIN TEMP (F):	34
	CAN DATA DA CAN DE PROPERTO DE TRADA DE								

#### 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?	⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SIT DATE (Including Continuation Sh	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	57
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	142
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High			Total On-Site Hours This Date	199
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	Yes	⊠ No	Cumulative Total of Work Hours From Previous Report	7493
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	Total Work Hours From Start of Construction	7692

#### OPERATIONS / PRODUCTION REPORT

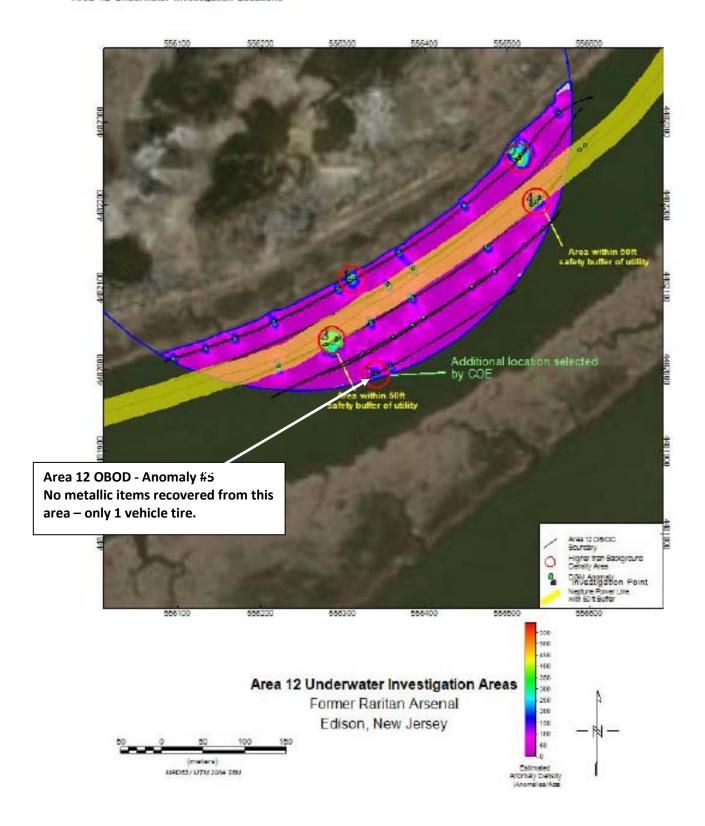
OPERATIONS / PRODUCTION REPORT						
CH2M HILL						
Employee	Work Performed	Title/Trade	Hours			
Mike Malko	QC/ Subcontractor Oversight	UXOQCS	11			
Jonathan Waldron	SSHO	SSHO	12			
Chris Rose	Senior UXO Supervisor	SUXOS	10			
David Neslon	Senior Technical Consultant	STC	12			
George DeMetropolis	UXO Safety	UXOSO	12			
SubContractors						
Employee	Work Performed	Title/Trade	Hours			
See Attached	Marine Investigation	Weeks Marine	36			

F-527

		APPENDIX F - DA	ILY REPORTS			
See Attac	hed	DGM		NAEVA		22
See Attac	hed	UXO investi	gation	USA Environment	al	24
See Attac	hed	Crew Bo	at	NSM		36
See Attac	hed	Power Ca	ble	CME		12
See Attac	hed	GPS		Land Marker		12
		EQUIPMENT	Γ ON HAND			
Description of 1	Equipment	Make/Model/Manufactur	rer Equipment	ID Number	Inspection Perfo	ormed By
Job Trailer (Modspace rental)	)	ModSpace 10'x44'	2911:		СН2М Н	ILL
Generator (Sunbelt Rental)		Ingersoll Rand G70	341125	PC-545	CH2M HI	ILL
2-Way Radios (7)		Motorola PR 400	N	A	CH2M HI	ILL
Metal detector		Schonsted	N	A	CH2M HI	ILL
GPS Equipment		Trimble	Rei	ntal	CH2M HI	ILL
Rental vehicles (5)		Enterprise Vehicle Renta	als Enterpris	se Rental	CH2M HI	ILL
ARGO UTV		ARGO	ARO		CH2M HI	ILL
		INSPECTIONS AND T	ESTS PERFORME	D		
Task/Activity	Inspected	Inspection Performed	Te		Finding	S
Schonstedt inspection	1	Daily/Serviceability		Check	Pass	•
GPS Equipment		Daily/Serviceability	Function and a		Dogg	
Tr				,	Pass	
Generator		Daily/ Serviceability	N	A	Pass	
Fire Extinguishers		Monthly	N	A	Pass	
First Aid Kit		Monthly	N	A	Pass	
Field Vehicles		Daily/Weekly	N	A	Pass	
Site Communication / 2 Way	Radios	Daily	Radio	Radio Check Pass		
COMMENTS (acceptance s	status, inspection fi	ndings, etc.): None				
	W	ORK AND/OR TESTS ACCO	MPLISHED OR IN I	PROGRESS		
Performed Work / Test for To	oday: Daily Tailgat	e, PTSP, field and equipment	inspections.			
DGM, Area 12 and Area 1	3 Marine Investig	ation				
Planned Work / Test for Tom	orrow: DGM					
Planned Work / Test for Next	Week Marine On	erations				
familied Work / Test for Ivext	week. Marine op	crations				
		CTS ENCOUNTERED (List any etc.): Switching from Magne				
lown progress.	weather conditions.	etc.). Switching from Wagn	et to Clamshen bu	eket oli excavator ta	Res 2-3 hours an	iu is siowin
<u>.</u> 5						
VISITORS AND DISCUSS	IONS:					
	N	IDAS ACCUMULATION/STO	CKPILE AREA INS	PECTION		
nspection Performed By:	Chris Roase	1:	Signature of Inspector	: Chris Rose		
Accumulation /	NA			·		
Stockpile Area Inspected:		I		1		T
No of NA Containers:	No of Tanks	NA I	No of Roll-Off Boxes	NA NA	No. of Drums	1 (55 gal)
l .	<u> </u>	<u> </u>			1	1

F-528

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	
Chris Rose 2/24/14	
Chiris Rose	
PREPARER'S 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: 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



Project. RI/FS Former F	taritan Arsenal		_Date: <u>02/24/</u> 2	2014
LOCATION OF WORK: DS	SA 5 Area 12 (Ma	ter) Area 13 (Water	<u> </u>	
LOCATION OF WORK. Do	on J, Alea 12 (VVa	ilei) Alea 13 (Walei	)	
DESCRIPTION OF WORK:				
	Terrestrial DGM	Surveys		
4				
WEATHER: ⊠(CLEAR	)	☐(P.CLOUDY)	☐(Rain)	$\boxtimes$ (WINDY)
TEMPERATURE:	,		MAX: 38°F.	<u> </u>
TEIVII EIVATOINE.	WIII V. <u>50</u> 1		MAX. <u>30</u> 1.	
4 Mode completed to do do	0 lb 0.0 mt w 0.0 t 0 w.			
Work completed today by	Subcontractor:			
				\
CH2M Hill's subcontractor NA Equipment was tested in the				
the melting of the ice causing			lection was min	dered due to
CH2M Hill's subcontractor US			hegan the unde	
anomaly investigation of Area				
magnet and clamshell method				
2. Work completed today by	QC inspection sta	iff:		
Escorted NAVEA and monitor	ed work practice a	and procedures of D	OGM crew.	
3. All work performed in confo	ormance with Worl	k Plan requirements	? Yes	
If not, explain:	THAT TO WITH WOLL	KT Idii Toqui omonic	7. 100	
·				
4. Non-conformances/deficier	ncies 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.

Michaela Milke

#### INITIAL PHASE INSPECTION CHECKLIST

Project.	RI/FS Former F	Raritan Arsenal	Date:02/24/	2014
Title and	d No. of SSWP Section:	3.10.2.2 Underwater DG 3.10.3.2 Underwater An		
Descrip	tion and Location of Work Ins		y Procedures in Area	a 13, Area 12
A.	Key Personnel Present:			
	<u>Name</u>	Position		<u>Company</u>
	George Demotrop	olis MR CSP/QC	CH2M	
	Michael A Malko	QXOQC/Safety	CH2M	
	Emmett Hopkins	OE Safety	USA C	oE
В.	Materials being used are in a lf not, explain:	strict compliance with the contract	plans and specifications:	⊠Yes □No
C.	If not, explain: Review	ds witnessed are in strict compliance ved operational and safety propertional and safety properties of insure compliance with SS	ocedures and inspec	
D.	Workmanship is acceptable.  State where improvement is			⊠Yes □No
E.	Workmanship is free of safe			⊠Yes □No
			Q Molds	

F-534



#### CH2MHILL

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

List Tasks and verify that applicable AHAs have been reviewed:    Tender   DGM		uson N.		RARITAN	4 FEBI	Date: 2
Attendees: Print Name  Jossie Powers  Dea Name(S)  List Tasks and verify that applicable AHAs have been reviewed:  **Exect of DGM**  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  **Exect of DGM**  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  **Exect of DGM**  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  **Exect of DGM**  Potential H&S Hazards, including chemical, physical, safety, biological and environt apply):  **Chemical burns/contact**  Pressurized lines/equipment**  **Dinch points**  Poisor Demoist Applies  **Electrical Cuts/abrasions Applies  **Weather conditions**  **Heights/fall > 6 feet Overhead Electrical hazards Applies  Noise Elevated loads Applies  **Explosion/fire Applies  **Elevated loads Applies  **Elevated loads Applies  **Explosion/fire Applies  **Elevated loads Applies  **Elevated loads Applies  **Elevated loads Applies  **Explosion/fire Applies  **Elevated loads Applies  **			lob	MACKE	or: M n	Supervis
Attendees: Print Name  Jassie Powers  Dan NameSy  List Tasks and verify that applicable AHAs have been reviewed:  **Tenefold Color Tasks (ladders, scaffolds, fall protection, cranes, power tools):  **Embla Da Color RTK  Potential H&S Hazards, including chemical, physical, safety, biological and environmental burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Trench, excavations, cave-ins  Ergon  Phinch points  Electrical  Weather conditions  Heights/fall > 6 feet  Overhead Electrical hazards  Noise  Elevated loads  Weather  Elevated loads  Water  Elevated loads  Water  Elevated loads  Water  Radiation  Manual lifting  Confined space entry  Welding/cutting  Demol  Underground Utilities  Page 1  Page 2  Page 3  Page 4  Page 4  Page 4  Page 5  Page 6  Page 7  Pag			ECTS	TRANS	DGM	Activity:
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  Emclose Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  Emclose RTK  Potential H&S Hazards, including chemical, physical, safety, biological and envirous apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Pressurized lines/equipment  Weather conditions  Heights/fall > 6 feet  Noise  Electrical  Weather conditions  Heights/fall > 6 feet  Overhead Electrical hazards  X Water  X Slips, trip and falls  Heavy  Radiation  Manual lifting  Confined space entry  Welding/cutting  Demolouse  Underground Utilities  Security  Poor or						
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  Emclose Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  Emclose RTK  Potential H&S Hazards, including chemical, physical, safety, biological and envirous apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Pressurized lines/equipment  Weather conditions  Heights/fall > 6 feet  Noise  Electrical  Weather conditions  Heights/fall > 6 feet  Overhead Electrical hazards  X Water  X Slips, trip and falls  Heavy  Radiation  Manual lifting  Confined space entry  Welding/cutting  Demolouse  Underground Utilities  Security  Poor or						
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List Tasks and verify that applicable AHAs have been reviewed:    Terest   GGM	Sign Name			Print Name	es: Pr	Attended
List Tasks and verify that applicable AHAs have been reviewed:  **Terest sul DGM**  Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):  **Em. G. A. R. C. R. T. K.  Potential H&S Hazards, including chemical, physical, safety, biological and envirable apply):  Chemical burns/contact Trench, excavations, cave-ins Ergon Pressurized lines/equipment Overexertion Chemical burns/contact Pressurized lines/equipment Pinch points Poisor Electrical Cuts/abrasions Electrical Cuts/abrasions Electrical Poisor Spills Inhala Heights/fall > 6 feet Overhead Electrical hazards Heat/Cuts/Abrasions Elevated loads Water Explosion/fire Silps, trip and falls Heavy Radiation Manual lifting Aerial Underground Utilities Security Openor	L Paver	Wight of		i e	Nones	Des
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    Fm6   AR Go RTK		ope u			(16 VCE) 3 y	Jarx
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    Fm6  ARGO RTK						
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    Fm6   AR Go RTK						
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    For G   Power tools						
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    For G   Power tools						
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    For G   Power tools			ave heen reviewed:	t applicable AHAs h	s and verify that a	List Task
Tools/Equipment Required for Tasks (ladders, scaffolds, fall protection, cranes, power tools):    Find   Pic Co RTK					Part Control of the C	
Potential H&S Hazards, including chemical, physical, safety, biological and envil apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Elevated loads  E				711	51 cm 1 1091	_ ICCA
Potential H&S Hazards, including chemical, physical, safety, biological and envil apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Elevated loads  E						
Potential H&S Hazards, including chemical, physical, safety, biological and envil apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Elevated loads  E						
Potential H&S Hazards, including chemical, physical, safety, biological and envil apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Elevated loads  E						
Potential H&S Hazards, including chemical, physical, safety, biological and envil apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Overhead Electrical hazards  Elevated loads  Manual lifting  Confined space entry  Underground Utilities  Security	rigging heavy equipment	tion cranes/rig	rs, scaffolds, fall prot	red for Tasks (ladder	uipment Required	Tools/Ed
Potential H&S Hazards, including chemical, physical, safety, biological and envirance apply): Chemical burns/contact	inspiris, neavy equipment,	eron, cranes, ne	,		ools):	power to
Potential H&S Hazards, including chemical, physical, safety, biological and envirance apply): Chemical burns/contact	1	2 11	07	Doc	n/1	E
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Weather conditions  Spills  Inhala  Heights/fall > 6 feet  Overhead Electrical hazards  Keat/o  Noise  Elevated loads  Keat/o  Slips, trip and falls  Heavy  Radiation  Manual lifting  Confined space entry  Welding/cutting  Demoi	ous plants/insects	Poisonous	points	<u>∠</u> Pinch		
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NoiseElevated loads	old stress	★ Heat/cold	ead Electrical hazards	Overh	/fall > 6 feet	Heights
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Underground UtilitiesSecurity			ng/cutting	Weldin	d space entry	Confine
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Dermal/hand Barricades Barricades Grounding/bonding GFCL/extension cords					
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			Proper Equipment	Welding & Cutting	
		PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped	
	Adequate anchorage		Forklift/heavy equipment	Cylinders separated/upright	
	Guardrail system	Radiation	Backup alarms	Flash-back arrestors	
		Personnel sampling	Hand/power tools	No cylinders in CSE	
	Fixed barricades	LEL/02	Crane with current inspection	Flame retardant clothing	
Confined Space Entry	Warning system	No visible dust	Proper rigging	Appropriate goggles	
lisolationAir monitoringTrained personnelPermit completedRest areaLiquids availableFlagsSignsTrainingTrainingTrainingTrainingTraining		Other	Operator qualified		
	Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic	
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Trained personnel Permit completed Rescue  Permits Hot work Confined space Lockout/tagout Excavation Demolition Demolition Demolition Demolition Demolition Demolition Lockout/tagout Excavation Demolition Demol	Air monitoring	& Eye wash	Rest area		
Permits	Trained personnel				
Permits Hot workConfined spaceLockout/tagoutExcavationDemolitionHazmat present Dig alert calledAs-builts reviewedInterviewsoft locate necessary? Hot workPre-demolition surveyLadders/aerial liftsLadders/aerial l	Permit completed	Route to hospital	Monitoring		
	Rescue		Training		
Confined spaceLockout/tagoutIsolate area/utilitiesScaffoldsCompetent personHeavy equipmentTask-specificDrill rigs/geoprobe rigsConfined SpaceUtilities markedUtilities markedUtilities marked	Permits	Demolition	Inspections:	Training:	
Confined spaceLockout/tagoutIsolate area/utilitiesScaffoldsCompetent personHeavy equipmentTask-specificDrill rigs/geoprobe rigsConfined SpaceUtilities markedDrill rigs/geoprobe rigsConfined SpaceUtilities markedNormal SpaceNormal Space	Hot work	Pre-demolition survey	Ladders/aerial lifts	Hazwaste (current)	
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Excavation Competent person Hazmat present Demolition Hazmat present Drill rigs/geoprobe rigs Cranes and rigging Utilities marked Utilities marked Hazcom Utilities marked Hazcom	Lockout/tagout	Isolate area/utilities	Scaffolds		
Demolition Hazmat present Drill rigs/geoprobe rigs Confined Space Utilities marked Hazcom Confined Space Hazcom Utilities marked Hazcom	Excavation	Competent person	Heavy equipment	1 10	
	Demolition	Hazmat present			
Underground Utilities  _Dig alert called _3rd Party locater _As-builts reviewed _Interview site staff _Client review _soft locate necessary? Underground UtilitiesIncident CommunicationsAHA'sXreviewed and approved by HSMYon site and currentXapplicable for this day's workXommunication and incident processes included?Xapplicable for this day's workXommunication and incident processes included?	Energized work		Cranes and rigging		
Underground Utilities  _Dig alert called _3rd Party locater _As-builts reviewed _Interview site staff _Client review _soft locate necessary?  Incident Communications  AHA's  _/work stops until cleared by _TM/CM _/mmediate calls to TM/CM _/mmediate calls to TM/CM _/dient notification _/24 hour notification setup _/Clear communications  AHA's  _/reviewed and approved by HSM _/on site and current _/applicable for this day's work _/ommunication and incident processes included?  //ommunication and incident processes included?					
Dig alert called	Underground Utilities	Incident Communications	AHA's		
		Work stops until cleared by	Vreviewed and approved by HSM		
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Interview site staffClient reviewsoft locate necessary?  \( \textstyle{\infty} \t		1 1/4			
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	Client review	24 hour notification setup	The state of the s	ecoses miciaaca:	
Field Notes (including observations from prior day, etc.):	_soft locate necessary?	<u>X</u> Clear communications			
	Field Notes (including	l observations from prior day, e	etc.):		

Name (Print): MAMACKO
Signature: MAMACKO

Date: 24 FKB/4

# HSSE Target Zero Target Zero Performance

## CHZIVIHILL

Pre-Task Safety Plan (PTSP)	and Safety Meeting Sign-in Shee	et			
Project: Forton Arseral Location: Edison					
Date: 2/29/19					
Supervisor, C. Hos	who westgation	ong De Metropolis			
Activity: 17 kg. no 17 kg.	tack				
Those II OD M	books investigation				
Attendees: Print N	lame	Clare Manage			
		Sign Name			
See At	* Cred				
List Tasks and verify that applic	able AHAs have been reviewed:				
Marine UNO/MO	SC Investigation, emb	ork + disemberking bessels			
	0	)			
Tools/Equipment Required for	Tasks (ladders scaffolds fall protest	tion, cranes/rigging, heavy equipment,			
Dowel (oois):					
Baran Trabat e	Martor W masset 4	(1.11) - 1.			
Trong Facility - tools	RTK GRS DINGS	Cangrell Crew 18007			
700-01 1000)	Louis Louis Louis	Clamstell, crew boot			
apply):	is chemical, physical, safety, biologic	cal and environmental (check all that			
Chemical burns/contact	Trench, excavations, cave-ins	∠ Ergonomics			
Pressurized lines/equipment	Overexertion	_ Chemical splash			
* Thermal burns	Pinch points	Poisonous plants/insects			
X Electrical	Cuts/abrasions	Eye hazards/flying projectile			
	▼ Spills	✓ Inhalation hazard			
	Overhead Electrical hazards	✓ Heat/cold stress			
Noise Explosion/fire	∠ Elevated loads	Water/drowning hazard			
_Explosion/fire	Slips, trip and falls	Heavy equipment			
Radiation		Aerial lifts/platforms			
Confined space entry	Welding/cutting	Demolition			
XUnderground Utilities	Security	Poor communications			
Other Potential Hazards (Descri		tool communications			
Marine Mcc/U					
To provide and					
STATE OF THE PARTY					

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

Name (Print): Jo Waldron Signature: Juli

Date: 1/24/14

	Today's Date: 2/24	1/14
Pathe (urpliced)	Signature	Company
Jonatha Walder	V. Well	CH2M
EMMETT HOPKing	Ken John	USACF
DAVID NELSON	Darf Delen	CHALL
LEVEN HARKIESS JIM KERSRE	Je Bruch	USAE
	1 Kus	USAE
P Aymone Lt	1222	USNEB
Featge Dame tropols	1 1 0 1	CHIM HILL
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## 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	

F-540

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 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.

F-541

#### **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

F-542

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

MAY 2021

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 anamoly 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 NA	ME:	Former Raritan Arsenal		REPORT NO:		69			
CONTRACT NU	MBER:	W912DY-09-D-0060		REPORT DATE:		2-25-14			
REVISION NUM	IBER:	1		REVISION DATE:		1-28-14			
TASK ORDER N	NUMBER:	003		PROJECT NAM	IE / LOCATION:	Former Raritan	Arsenal, Edison,	NJ	
PROJECT NUM	BER:	427946		PROJECT DESCRIPTION:		Remedial Investigation			
PROJECT MAN	AGER:	Mark Callaghan		UXO QUALITY	MANAGER:	Mike Malko			
Senior UXO Sup	ervisor:	Chris Rose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Walds	ron		
AM WEATHER:	Cold		PM WEATHER:	Cold		MAX TEMP (F):	32	MIN TEMP (F):	21
	Cold			Cold			32		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 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.

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



Was A Job Safety Meeting Held This Date?	⊠ Yes	☐ No	TOTAL WORK HOURS ON JOB SIT DATE (Including Continuation Sh	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	50
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	120
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High	_	_	Total On-Site Hours This Date	170
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	☐ Yes	⊠ No	Cumulative Total of Work Hours From Previous Report	7692
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	Total Work Hours From Start of Construction	7862

#### OPERATIONS / PRODUCTION REPORT

	OI EMITTO NOT TROBUGITOR MET ONT						
	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				

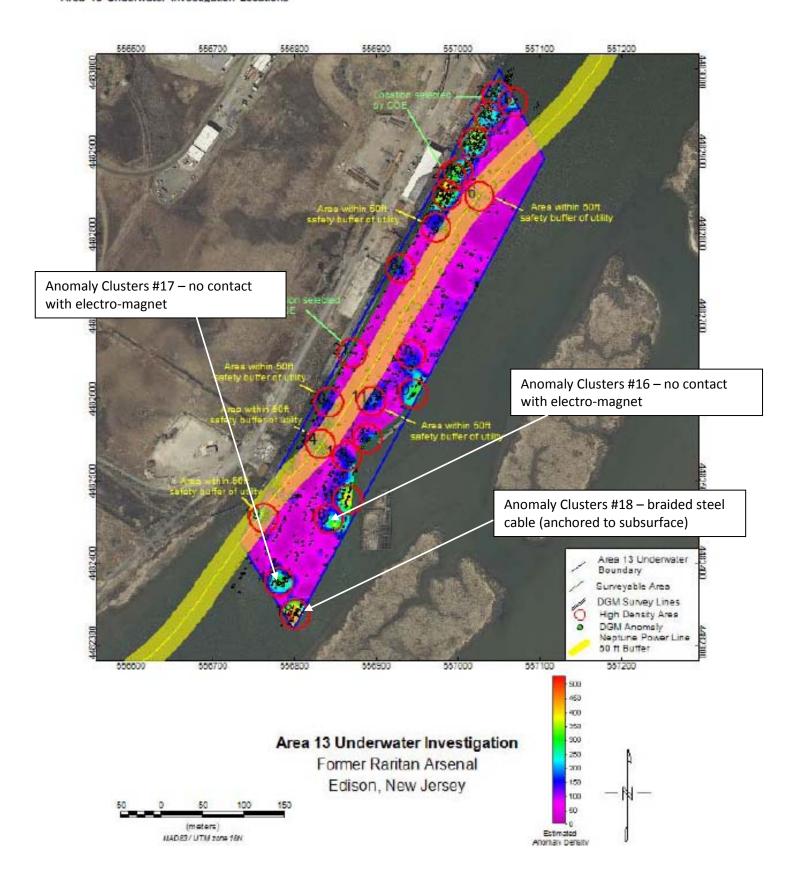
	See Attach	ed	UXO investigation	1	USA Environmen	ıtal	20
	See Attach	ed	Crew Boat		NSM		30
	See Attach	ed	Power Cable		CME		10
	See Attach	ed	GPS	GPS			10
			EQUIPMENT ON	HAND		•	
	Description of E	quipment	Make/Model/Manufacturer	Equipment I	D Number	Inspection Perfo	ormed By
ob Trailer (N	Modspace rental)		ModSpace 10'x44'	291159	)	СН2М Н	ILL
Generator (S	unbelt Rental)		Ingersoll Rand G70	341125 I	PC-545	СН2М Н	ILL
2-Way Radio	os (7)		Motorola PR 400	NA	1	СН2М Н	ILL
Aetal detecto	or		Schonsted	NA	1	СН2М Н	ILL
GPS Equipm	ent		Trimble	Rent	al	СН2М Н	ILL
Rental vehicl	les (5)		Enterprise Vehicle Rentals	Enterprise	Rental	СН2М Н	ILL
ARGO UTV			ARGO	ARG	O 1	СН2М Н	ILL
			INSPECTIONS AND TEST	S PERFORMED	)		
	Task/Activity In	nspected	Inspection Performed	Test	ts	Finding	S
chonstedt in	nspection		Daily/Serviceability	QC Cl	neck	Pass	
GPS Equipm			Daily/Serviceability	Function and ac	curacy	Pass	
Generator			Daily/ Serviceability	NA	,	Pass	
Fire Extingui	ishers		Monthly	NA	1	Pass	
First Aid Kit			Monthly	NA	1	Pass	
Field Vehicle	es		Daily/Weekly	NA	1	Pass	
Site Commu	nication / 2 Way F	Radios	Daily	Radio C	Check	Pass	
		day: Daily Tailgat	ORK AND/OR TESTS ACCOMPLE e, PTSP, field and equipment inspe		ROGRESS		
DGM, Area	12 and Area 13	3 Marine Investig	ation				
Planned Wor	k / Test for Tomo						
CHANGED project attributed own programpling of GPS screen handheld CSpuds on B	CONDITIONS/I utable to site and ress. CH2M HI f subsurface. n in excavator i GPS equipment Barge will not o	DELAY/CONFLI weather conditions ILL will revisit I not functioning a t on deck of barg	erations  CTS ENCOUNTERED (List any content): Switching from Magnet to ocations previously investigated and will need to be replaced. Unage.  and unable to safely position bar	Clamshell buck with magnet artible to verify ex rge. Barge is be	ket on excavator tand use clam shell to take to cation over a cing taken back to	akes 2-3 hours are overify and colle anomaly cluster u	nd is slowing ect physical using ard for
CHANGED project attributed own progresampling of GPS screen handheld Company on Brepairs which which which which was a series w	CONDITIONS/I utable to site and ress. CH2M HI f subsurface. n in excavator i GPS equipment Barge will not o	DELAY/CONFLI weather conditions ILL will revisit I not functioning a t on deck of barg perate properly day. GPS screen	erations  CTS ENCOUNTERED (List any contect.): Switching from Magnet to ocations previously investigated and will need to be replaced. Unage.	Clamshell buck with magnet artible to verify ex rge. Barge is be	ket on excavator tand use clam shell to take to cation over a cing taken back to	akes 2-3 hours are overify and colle anomaly cluster u	nd is slowing ect physical using ard for
CHANGED project attribution programpling of GPS screen andheld Copuds on Bepairs white	CONDITIONS/ utable to site and ress. CH2M HI f subsurface. in excavator is GPS equipment Barge will not o ich will take 1 o	DELAY/CONFLI weather conditions ILL will revisit I not functioning a t on deck of barg perate properly day. GPS screen	erations  CTS ENCOUNTERED (List any contect.): Switching from Magnet to ocations previously investigated and will need to be replaced. Unage.  and unable to safely position bar	Clamshell buck with magnet and able to verify ex rge. Barge is be ge down time.	ket on excavator tand use clam shell to take the cattle over a cact location over a cling taken back to No work for Marin	akes 2-3 hours are overify and colle anomaly cluster u	nd is slowing ect physical using ard for
CHANGED project attributed own progressmpling of GPS screen handheld Conspuds on Brepairs white VISITORS A	CONDITIONS/ utable to site and ress. CH2M HI f subsurface. in excavator i GPS equipment Barge will not o ich will take 1 o AND DISCUSSIO	DELAY/CONFLI weather conditions ILL will revisit I not functioning a t on deck of barg perate properly day. GPS screen ONS:	erations  CTS ENCOUNTERED (List any confetc.): Switching from Magnet to ocations previously investigated and will need to be replaced. Unage.  and unable to safely position bar will also be repaired during bar MDAS ACCUMULATION/STOCKP	Clamshell buck with magnet and able to verify ex- rge. Barge is be ge down time.	ket on excavator tand use clam shell to act location over a sing taken back to No work for Marin	akes 2-3 hours are overify and colle anomaly cluster u	nd is slowing ect physical using ard for
CHANGED  oroject attributed on progressing or GPS screen handheld Gespuds on Brepairs white VISITORS And the service of the se	CONDITIONS/ utable to site and ress. CH2M HI f subsurface. n in excavator 1 GPS equipment Barge will not o ich will take 1 AND DISCUSSIO	DELAY/CONFLI weather conditions ILL will revisit I not functioning a t on deck of barg perate properly day. GPS screen	erations  CTS ENCOUNTERED (List any confetc.): Switching from Magnet to ocations previously investigated and will need to be replaced. Unage.  and unable to safely position bar will also be repaired during bar MDAS ACCUMULATION/STOCKP	Clamshell buck with magnet and able to verify ex rge. Barge is be ge down time.	ket on excavator tand use clam shell to take the cattle over a cact location over a cling taken back to No work for Marin	akes 2-3 hours are overify and colle anomaly cluster u	nd is slowing ect physical using ard for

Inspection Results: One 55 gallon drum of MDAS inside locked storage container. Documents	ed and certified as MDAS by SUXOS and UXOQC		
GENERAL COMMENT	TS		
General Comments~ (rework, directives, etc.):			
Weeks Marine and LandMarker equipment forced delays and down time.			
weeks Marine and Landwarker equipment forced delays and down time.			
ATTACHMENTS			
List of Attachments: Daily QC Report, Daily PTSP, Subcontractor reports,			
Jonath	han Waldron		
2/25/1			
Chris	Kose		
PREPARE	ER'S SIGNATURE DATE		

F-546

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

MAY 2021





# 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.



Project. RI/FS Former Raritan Arsenal	Date: 02/25/2014						
LOCATION OF WORK: DSA 2, Area 12 (Water) Area 13 (Water	- <u> </u>						
DONE, MEDITE TO (Water)							
DESCRIPTION OF WORK:  Terrestrial DGM Surveys							
4							
WEATHER: $\square$ (CLEAR) $\square$ (FOG) $\square$ (P.CLOUDY) TEMPERATURE: MIN: $21^{\circ}$ F	□(Rain) □(WINDY) MAX: <u>32</u> °F.						
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 anomaly investigation of Area 13 and Area 12 OBOD. Barges were anomalies and the magnet method was used to investigate point 1 contact on Anomalies 16 and 17. These anomalies will be reinves large 1 ½ inch diameter braided steel cable was pulled to the surfanot be removed from the water because it was anchored to the bot	e positioned near the 6, 17 and 18. There was no tigated with the clamshell. A uce on Anomaly 18 but could						
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	s? Yes						
If not, explain:							
4. Non-conformances/deficiencies reported:							
5. Comments:							
o. 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

# HSSE Target Zero World-Class Performance

# CH2MHILL

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

Project: Former Ros de Assert Location: Folson NJ  Date: 7/25/14  Constitution of the Date: 7/25/14						
Supervisor: Grora De Metaphs Chris Rose Activity: Munne MEC Meshyth-						
Activity: MEC Investigation						
Attendees: Print Name Sign Name						
Tee Attached						
CES TITAL NES						
List Tasks and verify that applic	able AHAs have been reviewed:					
Thorne later in	1005/10x0/100					
	0					
Tools/Equipment Required for	Tasks (ladders scaffolds fall protect)	ion, cranes/rigging, heavy equipment,				
. To iof Edaibiliene lecdonea loi	induction, scarrolds, fall protecti	ion, clanes/ligging, heavy enimment				
power tools):						
power tools):						
power tools):						
power tools):	Ton bout, Crow boot Marret, Con 86/1 B					
Boron Excaptor  GPS Egypnt	Tonbaut, Constell B	sket Pover touts				
Potential H&S Hazards, including	Tonbaut, Constell B					
Potential H&S Hazards, including apply):	Tonbaut, Constell B	sket Pover touts				
Borce Excapter  Excapt  PS Egypt	Toplant, Crew booth Monday, Constell B	cal and environmental (check all that				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment	Trench, excavations, cave-ins	cal and environmental (check all that				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns	Trench, excavations, cave-ins  You beaut, Crew bood  Manual, Crew bood  Manual, Crew bood  Bood  Trench, excavations, cave-ins  X Overexertion	cal and environmental (check all that  Ergonomics  Chemical splash				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical	Trench, excavations, cave-ins  Young Chemical, physical, safety, biologic  Trench, excavations, cave-ins  Young Chemical, physical, safety, biologic  Trench, excavations, cave-ins  Young Chemical Con 8 & Overexertion	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions	Trench, excavations, cave-ins  Your points  Your Con Sell B  Trench, excavations, cave-ins  Your exertion	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet	Trench, excavations, cave-ins  Trench points  Cuts/abrasions  Spills	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard				
Potential H&S Hazards, including apply):	Trench, excavations, cave-ins  Trench, excavations  Trench points  Cuts/abrasions  Spills  Overhead Electrical hazards	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire	Trench, excavations, cave-ins  Trench, excavations  Trench points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation	Trench, excavations, cave-ins  Trench, excavations  Trench points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry	Transport, Cress Joseph Book Monday Com Nell Book Book Book Book Book Book Book Bo	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Trench points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  ther Potential Hazards (Descriptions)	Trench, excavations, cave-ins  Trench, excavations, cave-ins  Trench points  Cuts/abrasions  Spills  Overhead Electrical hazards  Elevated loads  Slips, trip and falls  Manual lifting  Welding/cutting  Security	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition  Poor communications				
Potential H&S Hazards, including apply):  Chemical burns/contact  Pressurized lines/equipment  Thermal burns  Electrical  Weather conditions  Heights/fall > 6 feet  Noise  Explosion/fire  Radiation  Confined space entry  Underground Utilities  ther Potential Hazards (Descriptions)	Transport, Cress look of Mondal Brown Servet, Console Brown Servet, Console Brown Servet, biological Console Brown Servet, biologica	cal and environmental (check all that  Ergonomics  Chemical splash  Poisonous plants/insects  Eye hazards/flying projectile  Inhalation hazard  Heat/cold stress  Water/drowning hazard  Heavy equipment  Aerial lifts/platforms  Demolition  Poor communications				

PPE	Protective Systems	Fire Protection	Electrical
≺ Thermal/lined	Sloping	✓ Fire extinguishers	_ Lockout/tagout
★ Thermal/lined     ★ Eye	Shoring	Fire watch	Grounded
△ Dermal/hand	Trench box	Non-spark tools	X Panels covered
X Hearing	Barricades	K Grounding/bonding	GFCI/extension cords
Respiratory	★Competent person	Intrinsically safe equipment	Power tools/cord inspected
XReflective vests	Locate buried utilities	_ munisically sale equipment	
X Flotation device	→ Daily inspections		Overhead line clearance
₹ Hard Hat	Entry Permits/notification		_ Underground utils ID'd
Fall Protection	Air Monitoring	Depose Faultonian	144.10 - 0.0
Harness/lanyards	_ PID/FID	Proper Equipment	Welding & Cutting
Adequate anchorage	Detector tubes	Aerial lift/ladders/scaffolds	Cylinders secured/capped
_ Guardrail system	Radiation	★ Forklift/heavy equipment	Cylinders separated/upright
Covered opening		Backup alarms	Flash-back arrestors
Fixed barricades	Personnel sampling LEL/O2	Hand/power tools	No cylinders in CSE
Warning system	No visible dust	Crane with current inspection	Flame retardant clothing
	_ Other	Proper rigging	Appropriate goggles
		∠ Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	Y Traffic control
Air monitoring	Eye wash	× Rest area	✓ Barricades
Trained personnel	FA-CPR trained personnel	ZLiquids available	Flags
Permit completed	Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	Testaleau
_ Hot work	Pre-demolition survey	Ladders/aerial lifts	Training:
Confined space	Structure condition	Lanyards/harness	Hazwaste (current)
Lockout/tagout	Isolate area/utilities	Scaffolds	Construction
Excavation	Competent person	Heavy equipment	Competent person
Demolition	Hazmat present	Drill rigs/geoprobe rigs	₹ Task-specific ▼ FA/CPR
_ Energized work		✓ Cranes and rigging	
_ Linergieco work			Confined Space
			Hazcom
Underground Utilities	Incident Communications	AHA's	
_Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
3 <sup>rd</sup> Party locater	TM/CM	on site and current	
As-builts reviewed	Immediate calls to TM/CM	applicable for this day's work	
Interview site staff	Client notification	Communication and incident pro	ocesses included?
Client review	24 hour notification setup		
_soft locate necessary?	Clear communications		
	observations from prior day, e	etc.):	
vote decot	as the	Oberati,	

Name (Print): Isabeldon
Signature: Labeldon

Date: 2/25-/14

	Signature	Company
MATTHEWDANGELC	1 6	WFT,
AC OBNOVIEW	1 Wat C	WEERS
to Garner	Jun 5	CME
on Benesch	Hed Dy	Weeks
Jim Keesee	1 Le	USAE
La vantaexicss	ghe 11tml	0542
Mrs Wystlet	dly here	NSM
- Wyshiff	Turk	NEW
Tomfrankey	12h1221	Landmarker
PAVID NELSON	Mind Del	CHZM
Chris Rose	Chorse	CHOIN
E. Hopking	MARGE	MARCE
cerron De Mattagelis	1 3/1 5/1	LH2 ~
50 Walder	1. 1 da	CH217

# HSSE Target Zero World-Class Performance

#### CH2MHILL

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

Project: RI FS RAPITA	Location: OSI	A2
Date: 25 FEB 14		
Supervisor: MINE MACTIVITY: DGM TRAN	TACHO Job	
ACTIVITY: DGYV TRAVO	SECTS	
Attendees: Print N	ama	
Jessie Powers	ame	Sign Name Juni L Daves
Den Homosey		(1) ?
List Tasks and verify that applic	able AHAs have been revièwed:	
081131216 (3)	The Control of the Co	
DATA COLLEC	TU OPERATION TICK LIFTIN	
	LIFITV	V 6
Tools/Equipment Required for	Tasks (ladders, scaffolds, fall protect	tion, cranes/rigging, heavy equipment,
1		
&M 61 +	land Tools	Anca (1711)
		77-266 070
Potential H&S Hazards, includin	g chemical, physical safety biologic	cal and environmental (check all that
apply):	, projetos, sarety, biologic	and environmental (check all that
Chemical burns/contact	Trench, excavations, cave-ins	Ergonomics
Pressurized lines/equipment	Overexertion	
Thermal burns	∠ Pinch points	Chemical splash
Electrical	→ Cuts/abrasions	Poisonous plants/insects
→ Weather conditions	Spills	Eye hazards/flying projectile
Heights/fall > 6 feet	Overhead Electrical hazards	
Noise	Elevated loads	Heat/cold stress
✓ Explosion/fire		Water/drowning hazard
Radiation	✓ Manual lifting	Heavy equipment
Confined space entry		Aerial lifts/platforms
Underground Utilities	Welding/cutting	Demolition
Other Potential Hazards (Describ	Security	Poor communications
OUE TO	SCRFACE FIEN EXPOSURI	+ YPOTHERIA
JUNIO WA	FIEN EXPOSURE	

Hazard Control Measur	es (Check All That Apply):		the Arrange manufacture and attention of the second property of the
PPE	Protective Systems	Fire Protection	Electrical
∠ Thermal/lined	Sloping	✓Eire extinguishers	Lockout/tagout
<u> </u>	Shoring	Fire watch	Grounded
$ \underline{\checkmark} $ Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	Power tools/cord inspected
∠ Reflective vests	Locate buried utilities		Overhead line clearance
Flotation device	Daily inspections		Underground utils ID'd
Hard Hat	Entry Permits/notification		
Fall Protection	Air Monitoring	Proper Equipment	Welding & Cutting
Harness/lanyards	PID/FID	Aerial lift/ladders/scaffolds	Cylinders secured/capped
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders separated/upright
Guardrail system	Radiation	Backup alarms	Flash-back arrestors
Covered opening	Personnel sampling	Hand/power tools	No cylinders in CSE
Fixed barricades	LEL/O2	Crane with current inspection	Flame retardant clothing
Warning system	No visible dust	Proper rigging	Appropriate goggles
	Other	Operator qualified	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	✓ First-aid kit		Traffic control
Air monitoring	∠ Eye wash	✓ Rest area	Barricades
Trained personnel	∠ FA-CPR trained personnel	Liquids available	Flags
Permit completed	Route to hospital	<u>V</u> Monitoring	Signs
Rescue	* 1001c to 1103pito.	✓ Training	
TC3CUC		<u> </u>	
Permits	Demolition	Inspections:	Training:
Hot work	Pre-demolition survey	Ladders/aerial lifts .	∠ Hazwaste (current)
Confined space	Structure condition	Lanyards/harness	Construction
Lockout/tagout	Isolate area/utilities	Scaffolds	€ Competent person
Excavation	Competent person	Heavy equipment	✓ Task-specific
Demolition	Hazmat present	Drill rigs/geoprobe rigs	✓ FA/CPR
Energized work		Cranes and rigging	Confined Space
*		Utilities marked	∠ Hazcom
Underground Utilities	Incident Communications	AHA' 5	
Dig alert called	Work stops until cleared by		
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
_As-builts reviewed	∠Hmmediate calls to TM/CM	vapplicable for this day's work	
_Interview site staff	∠Client notification	★Communication and incident pro  The property of the pro	ocesses included?
_Client review	X 24 hour notification setup		
soft locate necessary?	⊻Clear communications		
Field Notes (including	observations from prior day,	etc.):	
***************************************			

Name (Print): M/-	MACKO	
Signature: MG	Milles	Date

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.

F-556

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

MAY 2021

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	

CH2MHILL

# 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	

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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.

F-560



# CH2M HILL DAILY PRODUCTION REPORT

CONTRACT NA	ME:	Former Raritan Arsenal		REPORT NO:		89			
CONTRACT NU	MBER:	W912D	Y-09-D-0060		REPORT DATE	:	5-22-14		
REVISION NUM	MBER:	1			REVISION DAT	ГЕ:	1-28-14		
TASK ORDER N	NUMBER:	003			PROJECT NAM	IE / LOCATION:	Former Raritar	Arsenal, Edison,	NJ
PROJECT NUM	BER:	427946			PROJECT DESC	CRIPTION:	Remedial Inves	stigation	
PROJECT MAN	IAGER:	Mark Ca	allaghan		UXO QUALITY	MANAGER:	Ray Fillion		
Senior UXO Sup	ervisor:	Chris R	ose		SITE HEALTH OFFICER:	& SAFETY	Jonathan Waldron		
AM WEATHER:	Overcast, light rain	n	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 Piettro (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



Was A Job Safety Meeting Held This Date?	⊠ Yes	□ No	TOTAL WORK HOURS ON JOB SI DATE (Including Continuation Sh	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	⊠ No	CH2M HILL On-Site Hours	40
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	☐ Yes	⊠ No	Subcontractor On-Site Hours	70
Were Crane/ Man-lift/ Trenching/ Scaffold/ HV Electric/High	_	_	Total On-Site Hours This Date	110
Work/ HAZMAT Work Done? (If Yes, attach statement or checklist showing inspection performed)	☐ Yes	⊠ No	Cumulative Total of Work Hours From Previous Report	9459
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	⊠ No	Total Work Hours From Start of Construction	9504

#### OPERATIONS / PRODUCTION REPORT

CHZ	VI I	111	ıLı

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

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

Performed Work / Test for Today:

Tailgate safety brief, Review AHA's and HASP, ensure certifications are current and onsite.

Chris Rose met with Sandra Piettro (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.

Planned Work / Test for Tomorrow: Continue with Anomaly Reacquisition and Intrusive Investigation in DSA's. Schedule to be determined as necessary.

Planned Work / Test for Next Week: Anomaly Reacquisition 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.): USA Environmental having issues with RTK GPS maintaining communication with base. Poor connection causing delays in anomaly reacquisition.

VISITORS AND DISCUSSIONS: Sandra Piettro (USACE)

MDAS ACCUMULATION/STOCKPILE AREA INSPECTION								
		•						
Inspection Pe	erformed By:	Chris Rose		Signature of Inspector:	Chris Rose	•		
Accumulation Stockpile Are		NA						
No of Containers:	NA	No of Tanks	NA	No of Roll-Off Boxes:	NA	No. of Drums	1 (55 gal)	
Inspection Ro	esults: One 55 g	gallon drum of MDA	S inside locked stor	age container. Documented and certified	as MDAS by	SUXOS and UXOQC		
				GENERAL COMMENTS				
General Com	ments~ (reworl	k, directives, etc.):						
				ATTACHMENTS				
List of Attach	hments: Daily	QC Report, Daily P	TSP, Self-Assessmen	t Checklists, Subcontractor report				
				Chris Rose				
				Jonathan Waldron			5/22/14	
				PREPARER'S SIGNATURE			DATE	

F-562

5. Comments: None

Project.	RI/FS Former	r Raritan Arsenal		Date: 22 May 2	2014
LOCATION (	OF WORK:	DSA			
LOOMION	or workit.	<i>D</i> 0, 1			
DESCRIPTION	ON OF WORK	: Anomaly reaqui	re and investigation		
WEATHER: TEMPERATU	□(CLE <i>F</i> JRE:	AR)	⊠(P.CLOUDY)	□(RAIN) MAX: <u>65</u> °F.	□(WINDY)
1. Work comp	oleted today by	subcontractor: The	e following anomalie	s were located a	and removed
	1R-02-00001 1R-05-00020				
This work com	npletes DSA 1				
DSA 2 T DSA	2R-3-00024	MDAS			
2. Work comp	oleted today by	QC inspection staff	f:		
			inguishers, First Aid self assessments on		
3. All work pei	rformed in con	formance with Work	Plan requirements?	Yes	
4. Non-confor	mances/deficie	encies reported: Nor	ne		

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.







HSSE Target Zero

World-Class Performance

#### CH2MHILL

Date: 5/22/14	Location:	acitan
Supervisor: Chris Ro	Job	
Activity: If nonely Re	ereg crisition	
Attendees: Print	Name	O# N /
J. Wal	dran	Sign Name
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otential H&S Hazards, includi	ng chemical, physical, safety, biologi	cal and environmental (check all the
		cal and environmental (check all tha
Chemical burns/contact	Trench, excavations, cave-ins	cal and environmental (check all that
Chemical burns/contact Pressurized lines/equipment	Trench, excavations, cave-ins	Ergonomics
Chemical burns/contact	Trench, excavations, cave-ins Overexertion Pinch points	Ergonomics Chemical splash
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasions	Ergonomics Chemical splash Poisonous plants/insects
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpills	Ergonomics Chemical splash
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazards	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile
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Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsspillsOverhead Electrical hazardsElevated loadsStips, trip and fallsManual liftingWelding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Inderground Utilities	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsStips, trip and fallsManual liftingWelding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsStips, trip and fallsManual liftingWelding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms
Chemical burns/contact Pressurized lines/equipment Thermal burns Electrical Weather conditions Heights/fall > 6 feet Noise Explosion/fire Radiation Confined space entry Underground Utilities	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsStips, trip and fallsManual liftingWelding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition
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Chemical burns/contact Pressurized lines/equipment Thermal burns	Trench, excavations, cave-insOverexertionPinch pointsCuts/abrasionsSpillsOverhead Electrical hazardsElevated loadsStips, trip and fallsManual liftingWelding/cutting	Ergonomics Chemical splash Poisonous plants/insects Eye hazards/flying projectile Inhalation hazard Heat/cold stress Water/drowning hazard Heavy equipment Aerial lifts/platforms Demolition

PPE	Protective Systems	Fire Protection	Electrical
Thermal/lined	Sloping	Fire extinguishers	
<b>√</b> Eye	Shoring	Fire watch	Lockout/tagout Grounded
Dermal/hand	Trench box	Non-spark tools	Panels covered
Hearing	Barricades	Grounding/bonding	GFCI/extension cords
Respiratory	Competent person	Intrinsically safe equipment	/
Reflective vests	Locate buried utilities		Power tools/cord inspected Overhead line clearance
Flotation device	Daily inspections		
Hard Hat	Entry Permits/notification		Underground utils ID'd
Fall Protection	Air Monitoring .	Proper Equipment	1 / A/olding 0 C + 1:
Harness/lanyards /	_PID/FID	Aerial lift/ladders/scaffolds	Welding & Cutting
Adequate anchorage	Detector tubes	Forklift/heavy equipment	Cylinders secured/capped
Guardrail system	Radiation	Backup alarms	Cylinders separated/uprigh
Covered opening	Personnel sampling	Hand/power tools	Flash-back arrestors
Fixed barricades	LEL/02	Crane with current inspection	No cylinders in CSE
Warning system	No visible dust	Proper rigging	Flame retardant clothing
	Other	Operator qualified	Appropriate goggles
	17	operator quantica	
Confined Space Entry	Medical/ER	Heat/Cold Stress	Vehicle/Traffic
Isolation	First-aid kit	Work/rest regime	√Traffic control
Air monitoring	Eye wash	Rest area	Barricades
Trained personnel	FA-CPR trained personnel	Liquids available	Flags
Permit completed	✓ Route to hospital	Monitoring	Signs
Rescue		Training	
Permits	Demolition	Inspections:	
Hot work	Pre-demolition survey	Ladders/aerial lifts	Training:
Confined space	Structure condition		Hazwaste (current)
Lockout/tagout	Isolate area/utilities	Lanyards/harness Scaffolds	Construction
Excavation	Competent person	Heavy equipment	Competent person
 Demolition	Hazmat present		Task-specific
Energized work	_ nazyat present	Drill rigs/geoprobe rigs	✓ FA/CPR
		Cranes and rigging Utilities marked	Confined Space
		others marked	Hazcom
Underground Utilities	Incident Communications	AHA's	
_Dig alert called	Work stops until cleared by	reviewed and approved by HSM	
_3 <sup>rd</sup> Party locater	TM/CM	on site and current	
_As-builts reviewed	Immediate calls to TM/CM  Client notification	applicable for this day's work	
Interview site staff Client review	24 hour notification setup	Communication and incident proc	cesses included?
	Clear communications		
_soft locate necessary?	clear communications		
Field Notes (including	observations from prior day, e		
iela Notes (including	observations from prior day, e	etc.):	
	- 1211		
Name (Print):	2001/201/00		1 /1

#### 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.

<del></del>		
D : 131 E D : 1		Duringt No. 127046
Project Name: Former Raritan Arsenal	8	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 complete	d to:	· ·
<ul> <li>☑ Evaluate CH2M HILL employee exp</li> <li>☐ Evaluate CH2M HILL employees op</li> <li>☑ Evaluate CH2M HILL subcontractor checklist). Subcontractors Name: US</li> </ul>	erating earthmoving equipment (co 's compliance with earthmoving eq	hazards (complete Section 1). omplete entire checklist). quipment safety requirements (complete entire

- 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.

SA	FE WORK PRACTICES (5.1) SECTION 1		Yes	No	N/A	N/O
2. 3. 4. 5. 6. 7. 8. 9.	Personnel maintaining safe distance from operating equipment Positioning personnel in close proximity to operating equipment in Personnel wearing high-visibility and/or reflective vests when close Personnel approach operating equipment safely Personnel riding only in seats of equipment cab and using seat be Personnel not positioned under elevated portions of equipment Personnel not positioned under hoisted loads Personnel not hoisted by equipment Personnel do not to approach equipment that has become electrical Personnel wearing appropriate PPE, per HSP/FSI	se to operating equipment				

1 HSE-306

#### HS&E Self-Assessment Checklist - EARTHMOVING EQUIPMENT

Page 2 of 2

EQUIPMENT SAFETY REQUIREMENTS SECTION 2	Yes	No	N/A	N/O
PRIOR TO OPERATING EQUIPMENT (5.2.1)				
<ol> <li>Only qualified and authorized personnel operating equipment</li> <li>Daily safety briefing/meeting conducted with equipment operators</li> <li>Daily inspection of equipment conducted and documented</li> <li>Modifications and attachments used approved by equipment manufacturer</li> <li>Backup alarm or spotter used when backing equipment</li> <li>Operational horn provided on bi-directional equipment</li> <li>Seat belts are provided and used</li> <li>Rollover protective structures (ROPS) provided</li> <li>Braking system capable of stopping full payload</li> <li>Headlights and taillights operable when additional light required</li> <li>Brake lights in operable condition</li> <li>Cab glass provides no visible distortion to the operator</li> <li>All machine guards are in place</li> <li>Hauling equipment (dump trucks) provided with cab shield or canopy</li> <li>Dump truck beds provided with positive means of support during maintenance or inspection</li> <li>Dump truck operating levers provided with latch to prevent accidental dumping</li> <li>Air monitoring conducted per HSP/FSI for hazardous atmospheres</li> </ol>				
EQUIPMENT PLACEMENT (5.2.2)				
<ul> <li>28. Equipment position on firm/level surface, outriggers used</li> <li>29. Location of underground utilities identified</li> <li>30. Safe clearance distance maintained while working under overhead power lines</li> <li>31. Safe distance is maintained while traveling under power lines</li> <li>32. Warning system used to remind operator of excavation edge</li> <li>33. Unattended equipment visibly marked at night</li> <li>34. Tools lowered/parking brake set when not in use, wheels chocked when parked on incline</li> </ul>				
EQUIPMENT OPERATION (5.2.3)				
<ul> <li>35. Equipment operated on safe roadways and grades</li> <li>36. Equipment operated at safe speed</li> <li>37. Operators maintain unobstructed view of travel path</li> <li>38. Equipment not operated during inclement weather, lightning storms</li> <li>39. Equipment started and moved safely</li> <li>40. Operators keep body parts inside cab during operation</li> <li>41. Vehicle occupants in safe position while loading/unloading</li> <li>42. Signal person visible to operator when required</li> <li>43. Equipment used for hoisting done according to equipment manufacturer specifications</li> <li>44. Lifting and hauling capacities are not exceeded</li> </ul>				
EQUIPMENT MAINTENANCE (5.2.4) 45. Defective components repaired immediately 46. Suspended equipment or attachments supported prior to work under or between 47. Lockout/tagout procedures used prior to maintenance 48. Tires on split rims removed using safety tire rack or cage 49. Good housekeeping maintained on and around equipment				

#### 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:	
<ul> <li>□ Evaluate CH2M HILL employee expos</li> <li>□ Evaluate a CH2M HILL subcontractor</li> <li>□ Subcontractors Name: USA Environment</li> </ul>	s compliance with hand and power tool requ	irements.

- 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	<u>N/O</u>
1. All tools operated according to manufacturer's instructions and design limitations. 2. All hand and power tools maintained in a safe condition and inspected and tested before use. 3. Defective tools are tagged and removed from service until repaired. 4. PPE is selected and used according to tool-specific hazards anticipated. 5. Power tools are not carried or lowered by their cord or hose. 6. Tools are disconnected from energy sources when not in use, servicing, cleaning, etc. 7. Safety guards remain installed or are promptly replaced after repair. 8. Tools are stored properly. 9. Cordless tools and recharging units both conform to electrical standards and specifications.				
<ul><li>10. Tools used in explosive environments are rated for such use.</li><li>11. Knife or blade hand tools are used with the proper precautions.</li><li>12. Consider controls to avoid muscular skeletal, repetitive motion, and cumulative trauma stressors.</li></ul>				

### HSE Self-Assessment Checklist—HAND AND POWER TOOLS

SECTION 2	Yes	No	N/A I	<u>N/O</u>	
GENERAL (5.2.2)				_	
<ol> <li>13. PPE is selected and used according to tool-specific hazards anticipated.</li> <li>14. Tools are tested daily to assure safety devices are operating properly.</li> <li>15. Damaged tools are removed from service until repaired.</li> <li>16. Power operated tools designed to accommodate guards have guards installed.</li> <li>17. Rotating or moving parts on tools are properly guarded.</li> <li>18. Machines designed for fixed locations are secured or anchored.</li> <li>19. Floor and bench-mounted grinders are provided with properly positioned work rests.</li> <li>20. Guards are provided at point of operation, nip points, rotating parts, etc.</li> <li>21. Fluid used in hydraulic-powered tools is approved fire-resistant fluid.</li> </ol>					
ELECTRIC-POWERED TOOLS (5.2.3)					
<ul> <li>22. Electric tools are approved double insulated or grounded and used according to SOP HSE-206.</li> <li>23. Electric cords are not used for hoisting or lowering tools.</li> <li>24. Electric tools are used in damp/ wet locations are approved for such locations or GFCI installed.</li> <li>25. Hand-held tools are equipped with appropriate on/off controls appropriate for the tool.</li> <li>26. Portable, power-driven circular saws are equipped with proper guards.</li> </ul>					
ABRASIVE WHEEL TOOLS (5.2.4)			2000		
<ul> <li>27. All employees using abrasive wheel tools are wearing eye protection.</li> <li>28. All grinding machines are supplied with sufficient power to maintain spindle speed.</li> <li>29. Abrasive wheels are closely inspected and ring-tested before use.</li> <li>30. Grinding wheels are properly installed.</li> <li>31. Cup-type wheels for external grinding are protected by the proper guard or flanges.</li> <li>32. Portable abrasive wheels used for internal grinding are protected by safety flanges.</li> <li>33. Safety flanges are used only with wheels designed to fit the flanges.</li> <li>34. Safety guards on abrasive wheel tools are mounted properly and of sufficient strength.</li> </ul>					
PNEUMATIC-POWERED TOOLS (5.2.5)				_	
<ul> <li>35. Tools are secured to hoses or whip by positive means to prevent disconnection.</li> <li>36. Safety clips or retainers are installed to prevent attachments being expelled.</li> <li>37. Safety devices are installed on automatic fastener feed tools as required.</li> <li>38. Compressed air is not used for cleaning unless reduced to &lt; 30 psi, with PPE, and guarded.</li> <li>39. Manufacturer's safe operating pressure for hoses, pipes, valves, etc. are not exceeded.</li> <li>40. Hoses are not used for hoisting or lowering tools.</li> <li>41. All hoses &gt;1/2-inch diameter have safety device at source to reduce pressure upon hose failure.</li> <li>42. Airless spray guns have required safety devices installed.</li> <li>43. Blast cleaning nozzles are equipped with operating valves, which are held open manually.</li> <li>44. Supports are provided for mounting nozzles when not in use.</li> <li>45. Air receiver drains, handholes, and manholes are easily accessible.</li> <li>46. Air receivers are equipped with drainpipes and valves for removal of accumulated oil and water</li> <li>47. Air receivers are equipped with indicating pressure gauges.</li> <li>48. Air receivers are equipped with indicating pressure gauges.</li> <li>49. Safety, indicating, and controlling devices are installed as required.</li> <li>50. Safety valves are tested frequently and at regular intervals to assure good operating condition.</li> </ul>					

SECTION 2 (continued)	Yes No N/A N/O
LIQUID FUEL POWEDED TOOLS (5.2.6)	4.00
<ul> <li>Liquid fuel-powered tools are stopped when refueling, servicing, or maintaining.</li> <li>Liquid fuels are stored, handled, and transported in accordance with SOP HSE-403</li> <li>Liquid fuel-powered tools are used in confined spaces in accordance with SOP HSE-203.</li> <li>Safe operating pressures of hoses, valves, pipes, filters, and other fittings are not exceeded.</li> </ul>	
POWDER-ACTUATED TOOLS (5.2.7)	
<ul> <li>55. Only trained employee operates powder-actuated tools.</li> <li>56. Powder-actuated tools are not loaded until just prior to intended firing time.</li> <li>57. Tools are not pointed at any employee at any time.</li> <li>58. Hands are kept clear of open barrel end.</li> <li>59. Loaded tools are not left unattended.</li> <li>60. Fasteners are not driven into very hard or brittle materials.</li> <li>61. Fasteners are not driven into easily penetrated materials unless suitable backing is provided.</li> <li>62. Fasteners are not driven into spalled areas.</li> <li>63. Powder-actuated tools are not used in an explosive or flammable atmosphere.</li> <li>64. All tools are used with correct shields, guards, or attachments recommended by manufacturer.</li> </ul>	
JACKING TOOLS (5.2.8)	
<ul> <li>Rated capacities are legibly marked on jacks and not exceeded.</li> <li>Jacks have a positive stop to prevent over-travel.</li> <li>The base of jacks are blocked or cribbed to provide a firm foundation, when required.</li> <li>Wood blocks are place between the cap and load to prevent slippage, when required.</li> <li>After load is raised, it is cribbed, blocked, or otherwise secured immediately.</li> <li>Antifreeze is used when hydraulic jacks are exposed to freezing temperatures.</li> <li>All jacks are properly lubricated.</li> <li>Jacks are inspected as required.</li> <li>Repair or replacement parts are examined for possible defects.</li> <li>Jacks not working properly are removed from service and repaired or replaced.</li> </ul>	
HAND TOOLS (5.2.9)	
<ul> <li>75. Wrenches are not used when jaws are sprung to the point of slippage.</li> <li>76. Impact tools are kept free of mushroomed heads.</li> <li>77. Wooden handles of tools are kept free of splinters or cracks and are tightly fitted in tool.</li> </ul>	Ves No N/A N/O
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

## **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.

			10.46			
Project Name: Former Raritan Arsenal Location: Raritan, NJ Auditor: Jonathan Waldron	Title: Safety Coordinator	Project No.: 427 PM: Mark Calla Date: 5/22/14				
This specific checklist has been completed to (check only one of the boxes below):						
<ul> <li>□ Evaluate CH2M HILL compliance with its PPE program (SOP HSE-117)</li> <li>□ Evaluate a CH2M HILL subcontractor's compliance with its PPE program Subcontractor's Name: USA Environmental</li> </ul>						
Check the appropriate box, as follows:						
<ul> <li>Check "Yes" if an assessment item is complete or correct.</li> </ul>						
• 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		2	Yes	No	N/A	N/O
GENERAL  1. Required PPE listed in HSP FSI of 2. PPE available for use by employed 3. PPE cleaning supplies available for 4. PPE stored appropriately to prever 5. PPE written certification has been	es. r use. nt deformation or distortion.					
EYEWEAR (Glasses/Goggles/Face Shields)  6 Eyewear cleaning supplies available.						
7 Safety glasses in good condition a 8 Goggles adjustment strap not crac scratched.	ked or frayed, not deformed, or I				$\boxtimes$	
9. Face shields in good condition, in chips.	cluding adjustment band, and fre	e of scratches or			$\boxtimes$	

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# HS&E Self-Assessment Checklist: PERSONAL PROTECTIVE EQUIPMENT

Page 2 of 2

	•	Yes	No	N/A	N/O
SECTION 1 (Continued)		103	110	11111	
HEAD PROTECTION  10. Hard hat bill and suspension attached as allowed by manufacturer.  11. Shell is pliable, free of dents, cracks, nicks, or any damage due to impact.					
12 Suspension maintained at 1.25 inches from inside of shell.				$\bowtie$	ᅵㅣ
13. Suspension free of cuts or fraying, torn headband, adjustment strap worka	ıble.	님	님	X	HI
14 Flectrical hard hat matched to hazard classification.		H	H	$\exists$	님
15. Dated to determine whether within manufacturer's allowable 5-year use to	ime period.	Ц	Ц		
HAND PROTECTION		$\boxtimes$	П	П	
16. Available in sizes matched to employee.		$\boxtimes$			
<ul><li>17. Gloves free of rips tears, abrasions, or holes.</li><li>18. Matched to manufacturer's specification for chemicals used onsite.</li></ul>				$\boxtimes$	
19. Electrical gloves matched to hazard and periodically inspected for insulating the second	ting rating.			$\boxtimes$	$\sqcup$
20. Maintained in a clean and sanitary condition, decontaminated or disposed	d properly.			$\boxtimes$	
"e					
BODY PROTECTION				$\boxtimes$	
<ul><li>21. Available in sizes matched to employee.</li><li>22. Maintained in a clean and sanitary condition, decontaminated or disposed</li></ul>	d properly.			$\boxtimes$	
23. Vapor-tight fully encapsulated suits tested at required periodic intervals.				$\bowtie$	님
24 Flows registent clothing matched to electrical hazard and are mash rating	5.	Ц	Ц	$\bowtie$	님ㅣ
24. Figure 1 estimate the degree of hazard and free of cuts, tears or burn welding gear matched to degree of hazard and free of cuts, tears or burn good condition.	holes.	Ц	님	X	님ㅣ
26 Flotation gear available for work near or on water and in good condition.	ic :	Ш			
HOT AND COLD BODY PROTECTION		$\boxtimes$			
<ul> <li>Cooling gear available based on degree of heat stress hazard.</li> <li>Cooling gear in operable, clean, and sanitary condition.</li> </ul>		$\boxtimes$		Ц	닏ㅣ
28 Cooling gear in operable, clean, and sanitary condition. 29 Cold-weather gear provided based on needs assessment.			님	님	님
a 11 il a circo to match employees.		$\bowtie$	님	님	H
30. Cold-weather gear available in sizes to match employees.  31. Cold-weather gear is in free of tears, rips, or holes and in maintained in	a clean condition.	$\boxtimes$		Ш	
				_	
TRAINING		$\boxtimes$		닏	님
32 Initial PPE training completed by employees. 33 Training conducted when new types or styles of PPE are issued.		$\bowtie$	님	님	님
Training conducted when new types of styles of TTE are isoteout 34 PPE selection, use, and maintenance reviewed at daily safety briefings.		$\boxtimes$	Ц	Ш	
34 FFE Scientifi, use, and manuscript					

#### Personnel onsite 5-22-14

Employee	Position	Company	
Rose, Chris	SUXOS	CH2M	
Fillion, Ray	UXOQCS	CH2M	
Waldron, Jonathan	SSHO	CH2M	
Crostic, 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	
Litvjak, 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	