

Final

**Remedial Action Report
for Soil, Sediment, and Surface Water
at RVAAP-48 Anchor Test Area**

**Ravenna Army Ammunition Plant
Portage and Trumbull Counties, Ohio**

**Contract No. W912QR-04-D-0028
Delivery Order No. 0001**

Prepared for:



**US Army Corps
of Engineers®**

**United States Army Corps of Engineers
Louisville District**

Prepared by:



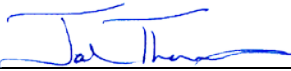
**Leidos Engineering of Ohio, Inc.
8866 Commons Boulevard, Suite 201
Twinsburg, Ohio 44087**

April 16, 2015

REPORT DOCUMENTATION PAGE					Form Approved OMB No. 0704-0188	
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1. REPORT DATE (DD-MM-YYYY) 16-04-2015		2. REPORT TYPE Technical		3. DATES COVERED (From - To) 1941-2015		
4. TITLE AND SUBTITLE Final Remedial Action Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area Ravenna Army Ammunition Plant Portage and Trumbull Counties, Ohio				5a. CONTRACT NUMBER Contract No. W912QR-04-D-0028		
				5b. GRANT NUMBER NA		
				5c. PROGRAM ELEMENT NUMBER NA		
6. AUTHOR(S) Jed Thomas, PE				5d. PROJECT NUMBER Delivery Order No. 0001		
				5e. TASK NUMBER NA		
				5f. WORK UNIT NUMBER NA		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Leidos Engineering of Ohio, Inc. 8866 Commons Blvd., Suite 201 Twinsburg, OH 44087				8. PERFORMING ORGANIZATION REPORT NUMBER 14-073(E)/04102015		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) USACE - Louisville District U.S. Army Corps of Engineers, Louisville District 600 Martin Luther King Jr. Place P.O. Box 59 Louisville, Kentucky 40202-0059				10. SPONSOR/MONITOR'S ACRONYM(S) CELRL-ED-E-C		
				11. SPONSOR/MONITOR'S REPORT NUMBER(S) NA		
12. DISTRIBUTION/AVAILABILITY STATEMENT Reference Distribution Page						
13. SUPPLEMENTARY NOTES None						
14. ABSTRACT This remedial action report summarizes activities performed in support of the plan for implementing Alternative 2 in accordance with the approved Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area. This remedial action report summarizes the excavation and removal of 45 tons of contaminated surface soil within the area of concern (AOC). Implementation of this remedial action resulted in attainment of CERCLA closure for soil, sediment, and surface water for the future land use (Military Training) or Unrestricted (Residential) Land Use.						
15. SUBJECT TERMS Remedial cleanup goals, remedial objectives, contamination, excavation, disposal						
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT NA	18. NUMBER OF PAGES 174	19a. NAME OF RESPONSIBLE PERSON Mark Nichter	
a. REPORT NA	b. ABSTRACT NA	c. THIS PAGE NA			19b. TELEPHONE NUMBER (Include area code) 502-315-6375	

CONTRACTOR STATEMENT OF INDEPENDENT TECHNICAL REVIEW

Leidos has completed the Remedial Action Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio. Notice is hereby given that an independent technical review has been conducted that is appropriate to the level of risk and complexity inherent in the project. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of data quality objectives; technical assumptions; methods, procedures, and materials to be used; the appropriateness of data used and level of data obtained; and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing United States Army Corps of Engineers (USACE) policy.



Jed Thomas, PE
Study/Design Team Leader

04/15/2015

Date



W. Kevin Jago
Independent Technical Review Team Leader

04/15/2015

Date

Significant concerns and the explanation of the resolution are as follows:

Internal Leidos Independent Technical Review was conducted on the Preliminary Draft version of this document. Subsequent versions of this document (e.g., Draft and Final) will incorporate changes based on the technical reviews of USACE, the Ohio Army National Guard, and the Ohio Environmental Protection Agency. Internal Leidos Independent Technical Review comments are recorded on a Document Review Record per Leidos quality assurance procedure QAAP 3.1. This Document Review Record is maintained in the project file. Changes to the report addressing the comments have been verified by the Study/Design Team Leader.

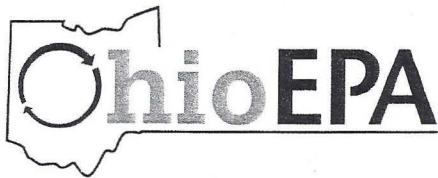
As noted above, all concerns resulting from independent technical review of the project have been considered.



Lisa Jones-Bateman
Senior Program Manager

04/15/2015

Date



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

June 16, 2015

Mr. Mark Leeper, P.G., MBA
Army National Guard Directorate
Environmental Programs Division
ARNGD-ILE-CR
111 South George Mason Drive
Arlington, VA 22204

Re: US Army Ravenna Ammunition Plt RVAAP
Remediation Response
Project Records
Remedial Response
Portage County
267000859109

Subject: Approval of the "Final Remedial Action Report for Soil, Sediment, and Surface Water at RVAPP-048 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio," Dated April 16, 2015, Ohio EPA ID # 267-000859-109

Dear Mr. Leeper:

The Ohio Environmental Protection Agency (Ohio EPA), Northeast District Office (NEDO), Division of Environmental Response and Revitalization (DERR), has received and reviewed the document entitled, "*Final Remedial Action Report for Soil, Sediment, and Surface Water at RVAPP-048 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio*," dated April 16, 2015. This document, received by Ohio EPA's NEDO on April 17, 2015, was prepared for the U.S. Army Corps of Engineers (USACE) Louisville District, by Leidos Engineering of Ohio, Inc.

Ohio EPA has reviewed this documentation and has found no significant deficiencies. As a result, the "*Final Remedial Action Report for Soil, Sediment, and Surface Water at RVAPP-048 Anchor Test Area*" is approved.

If you have any questions or concerns, please do not hesitate to contact me at (330) 963-1249.

Sincerely,

Andrew C. Kocher
Site Coordinator
Division of Environmental Response and Revitalization

ACK/nvr

cc: Gregory F. Moore, USACE, Louisville District
Haney/Harris, Vista Sciences, Newton Falls
Katie Tait/Kevin Sedlak, Camp Ravenna

ec: Rod Beals, NEDO, DERR
Bob Princic, NEDO, DERR
Justin Burke, CO, DERR

Final

**Remedial Action Report
for Soil, Sediment, and Surface Water
at RVAAP-48 Anchor Test Area**

Volume One - Main Report and Attachments

Version 1.0

Ravenna Army Ammunition Plant
Portage and Trumbull Counties, Ohio

Contract No. W912QR-04-D-0028
Delivery Order No. 0001

Prepared for:

U.S. Army Corps of Engineers
600 Martin Luther King, Jr. Place
Louisville, Kentucky 40202

Prepared by:

Leidos Engineering of Ohio, Inc.
8866 Commons Boulevard, Suite 201
Twinsburg, Ohio 44087

April 16, 2015

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Ravenna Army Ammunition Plant
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ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
ARAR	Applicable and Relevant or Appropriate Requirement
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Chemicals of Concern
CUG	Cleanup Goals
ERA	Ecological Risk Assessment
ft	feet
HHRA	Human Health Risk Assessment
ISM	Incremental Sampling Method
OHARNG	Ohio Army National Guard
Ohio EPA	Ohio Environmental Protection Agency
PBA	Performance-based Acquisition
PCB	Polychlorinated Biphenyl
RAO	Remedial Action Objective
RAR	Remedial Action Report
RD	Remedial Design
RI	Remedial Investigation
RVAAP	Ravenna Army Ammunition Plant
SVOC	Semi-Volatile Organic Compound
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USP&FO	U.S. Property and Fiscal Officer
VOC	Volatile Organic Compound

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EXECUTIVE SUMMARY

This Remedial Action Report (RAR) describes the field activities specified in the *Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area* (USACE 2014a) specific to Anchor Test Area. This report documents the attainment of the selected remedy in the *Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2014b) (herein referred to as the ATA ROD). The selected remedy for soil, sediment, and surface water at Anchor Test Area was to excavate contaminated soil to achieve a cleanup goal (CUG) of 15.4 mg/kg of arsenic in soil for Unrestricted (Residential) Land Use. Sediment and surface water are not present at the area of concern (AOC).

The remedial action described within this RAR attained the remedial action CUG and remedial action objective established in the ATA ROD. During field activities performed in November 2014, 45 tons of contaminated soil was removed from Anchor Test Area and transported for off-site disposal. Confirmation samples were collected and laboratory analysis confirmed the confirmation samples were below the CUG of 15.4 mg/kg for arsenic. The excavation extents and sample results are presented in Figure ES-1.

Upon confirming that CUGs were attained and no further excavation was required, the excavation footprint was backfilled using soil from a U.S. Army and Ohio Environmental Protection Agency (Ohio EPA) approved source and graded to match the existing drainage pattern and neighboring and/or original elevations. Re-vegetation and re-seeding of the disturbed area took place during the week of December 8, 2014 using seed mixtures detailed in Tables 8-3 and 8-4 of the remedial design.

By achieving the remedial action CUG, Anchor Test Area allows for Unrestricted (Residential) Land Use for soil. Sediment and surface water are not present at the AOC. Land use controls, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) five-year reviews, or operations and maintenance sampling are not required for these media.

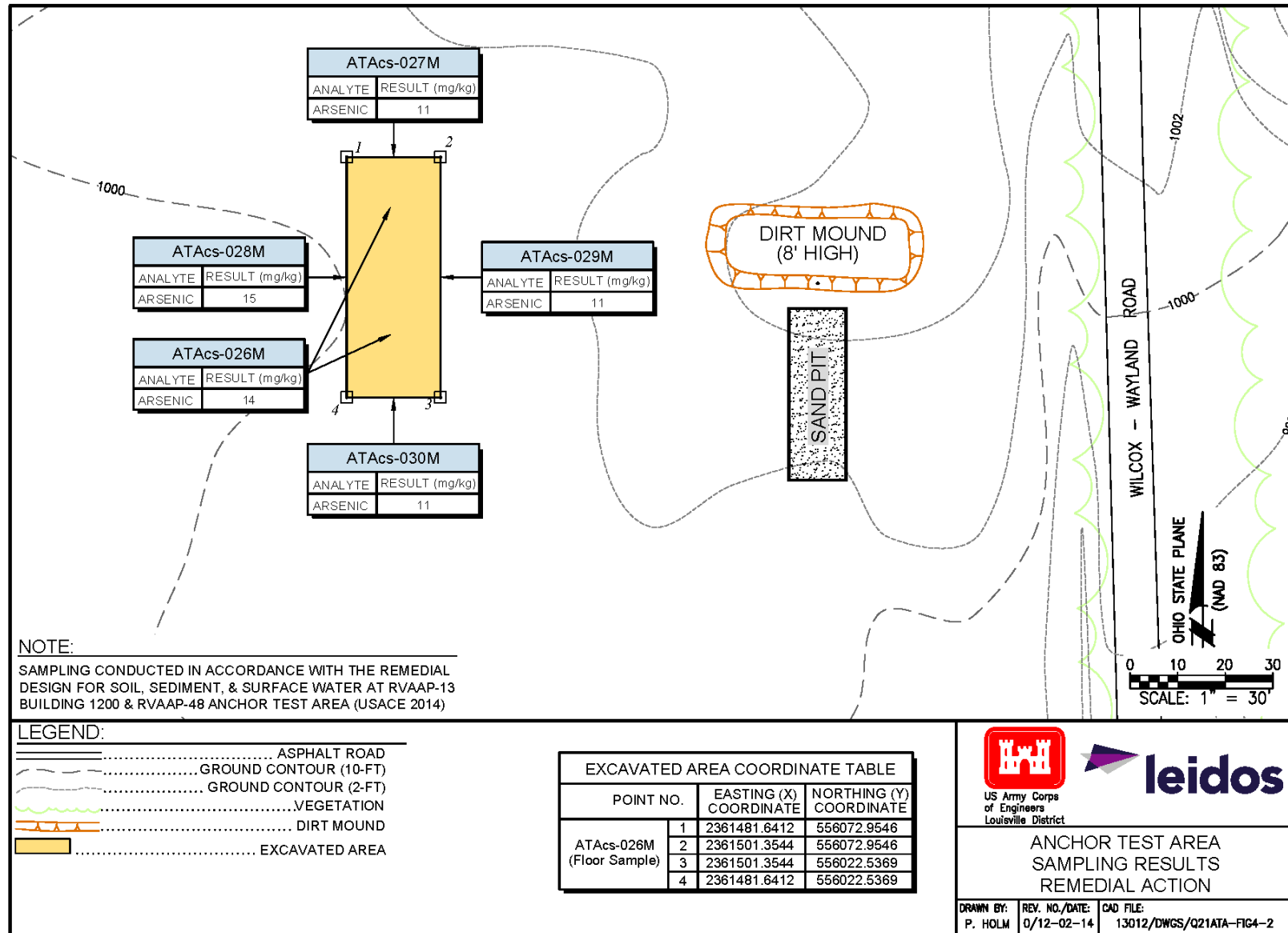


Figure ES-1. Excavation Area (Plan View)

1.0 INTRODUCTION

Leidos Engineering of Ohio, Inc. [formerly part of Science Applications International Corporation (SAIC)] has been contracted by the U.S. Army Corps of Engineers (USACE), Louisville District to provide environmental services to achieve response complete, remedy in place, or site closeout at the Anchor Test Area (RVAAP-48) area of concern (AOC) within the former Ravenna Army Ammunition Plan (RVAAP) in Ravenna, Ohio. This Remedial Action Report (RAR) describes the field activities specified in the *Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area* (USACE 2014a) (herein referred to as the RD) specific to Anchor Test Area and documents attainment of the selected remedy in the *Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2014b) (herein referred to as the ATA ROD).

This work is being performed in accordance with USACE, Louisville District, Multiple Award Remediation Contract W912QR-04-D-0028, Delivery Order No. 0001, under a Performance-based Acquisition (PBA). In addition, planning and performance of all work elements is being conducted in accordance with the requirements of the Ohio Environmental Protection Agency (Ohio EPA) *Director's Final Findings and Orders* dated June 10, 2004 (Ohio EPA 2004).

1.1 PURPOSE

The purpose of this RAR is to document completion of the selected remedial action alternative specified in the ATA ROD and summarize field activities specified in the RD that are specific to Anchor Test Area. Activities specific to the Building 1200 AOC will be summarized in a separate RAR.

The anticipated land use for Anchor Test Area is Military Training. The remedial alternative selected in the ATA ROD to attain remedy for soil, sediment, and surface water was Alternative 2: Attain Unrestricted (Residential) Land Use. Therefore, the selected remedy met and exceeded remedial action objectives (RAOs) for the anticipated land use. The ATA ROD specified that soil containing arsenic exceeding cleanup goals (CUGs) should be remediated to a level protective of human health. Sediment and surface water do not exist at Anchor Test Area.

The selected remedy was executed in accordance with the RD. This RAR presents the confirmation sampling scheme and analytical results which verify the achievement of Unrestricted (Residential) Land Use.

1.2 REPORT ORGANIZATION

This RAR is organized as follows:

- Section 2: describes the facility and AOC;
- Section 3: outlines RAOs and CUGs;
- Section 4: presents the project organization and coordination;

- Section 5: discusses construction mobilization and site preparation;
- Section 6: describes soil removal and confirmation sampling activities;
- Section 7: summarizes site restoration activities;
- Section 8: presents the conclusions;
- Section 9: lists the references used in the document.
- Appendices:
 - Appendix A. Utility Clearance
 - Appendix B. Field Change Request Forms
 - Appendix C. Laboratory Analytical Results
 - Appendix D. Manifest Log, Waste Profile, and Waste Manifests
 - Appendix E. Stormwater Construction Site Inspection Reports
 - Appendix F. Release of Rain Water Form from Secondary Containment Form
 - Appendix G. Property Management Plan Insertion

2.0 BACKGROUND INFORMATION

This section describes the former RVAAP, Anchor Test Area, and discusses previous investigations at Anchor Test Area.

2.1 FACILITY DESCRIPTION

The facility, consisting of 21,683 acres, is located in northeastern Ohio within Portage and Trumbull counties, approximately 4.8 kilometers (3 miles) east/northeast of the City of Ravenna and approximately 1.6 kilometers (1 mile) northwest of the City of Newton Falls (Figure 2-1). The facility, previously known as RVAAP, was formerly used as a load, assemble, and pack facility for munitions production. As of September 2013, administrative accountability for the entire acreage of the facility has been transferred to the U.S. Property and Fiscal Officer (USP&FO) for Ohio and was subsequently licensed to the Ohio Army National Guard (OHARNG) for use as a military training site (Camp Ravenna). References to RVAAP in this document relate to previous activities at the facility related to former munitions production activities or to activities being conducted under the restoration/cleanup program.

2.2 ANCHOR TEST AREA BACKGROUND INFORMATION AND PREVIOUS INVESTIGATIONS

Anchor Test Area is approximately 0.5 acres and is located approximately 50-75 ft west of Wilcox-Wayland Road and 2,500 ft south of Newton Falls Road (Figures 2-2 and 2-3). Although operational information is relatively limited about this former research and development area used by the Firestone Tire and Rubber Company Defense Research Division, it is believed that the area was used for testing explosives-driven soil anchoring devices. These devices typically consisted of metal rods driven into the ground and attached via a cable to stabilize structures or anchor them to the ground. The dates this AOC was used are unknown; however, a 1961 drawing shows the final design for the AOC; therefore, it is likely it was not active until after the early 1960s. Aerial photographs from 1966 confirm the construction of AOC features, but it is unknown whether Anchor Test Area was active at the time of the photographs.

The distinct surface features of the AOC are the former earthen blast wall (dirt mounds) and a nearby 12 by 36 ft sandpit. The anchor tests were likely performed within the sandpit. The adjacent dirt mounds functioned as blast walls. One mound is approximately 8-10 ft high while the others are only 1-2 ft high. The dirt mounds are still observable, although the mounds are overgrown with vegetation and small trees. The sandpit is no longer visually distinct due to vegetative growth. Metal debris is visible in the area, and a section of concrete culvert can be seen in one of the dirt mounds.

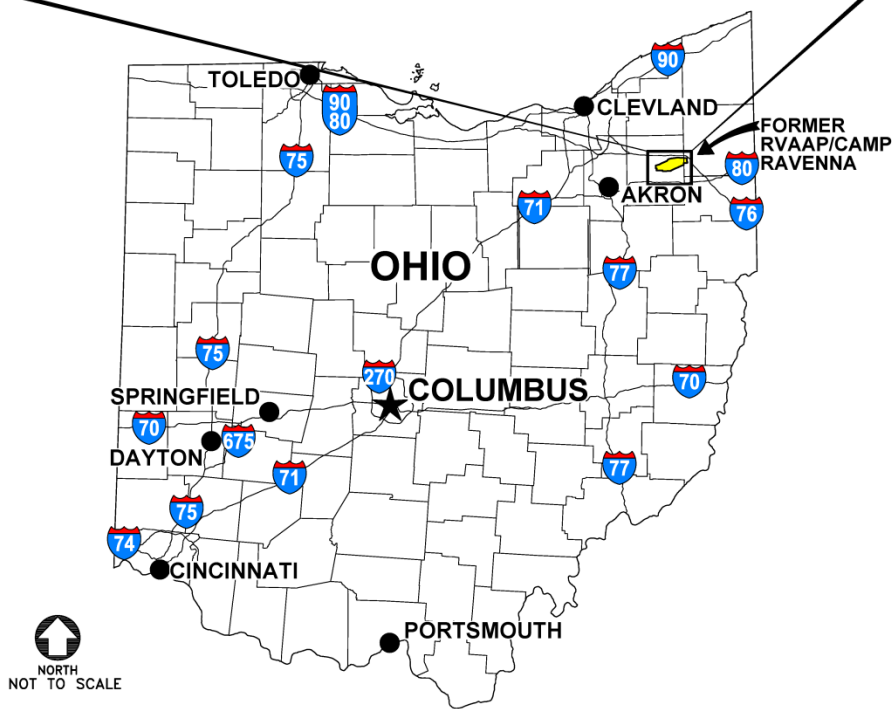
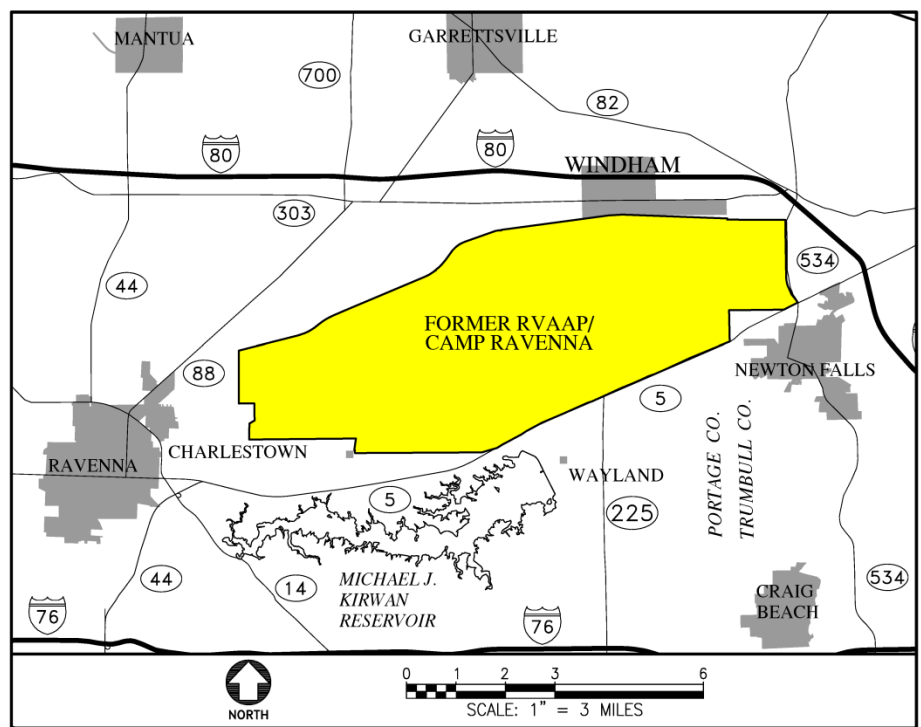


Figure 2-1. General Location and Orientation of Camp Ravenna

The AOC is currently heavily overgrown with trees, shrubs, and tall grass. The immediate surrounding area is forested except for: (1) a wetland approximately 100 ft away on the east side of Wilcox-Wayland Road within a separate watershed; and (2) a wetland approximately 500 ft south within the same watershed. The wetland to the south is drained by an unnamed stream to the south that flows east into the Load Line 4 Pond. Load Line 4 Pond effluent exits the installation's southern boundary and flows approximately 1.5 stream miles to the south where it flows into the West Branch River. Because the AOC is located on the southern edge of a small topographic high, any surface water not percolating to groundwater flows south directly into the wetland.

Anchor Test Area has been included in various assessments and investigations, including:

- Relative Risk Site Evaluation for Newly Added Sites (USACHPPM 1998); and
- Characterization of 14 AOCs (MKM 2007).

In 2010, the PBA08 Remedial Investigation (RI) was implemented to supplement historical data available for the AOC and support development of the *Remedial Investigation/Feasibility Study Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2012). Sampling results were combined with applicable results of previous sampling events to evaluate the nature and extent of contamination, examine contaminant fate and transport, conduct risk assessments, and evaluate potential remedial alternatives. A human health risk assessment (HHRA) and ecological risk assessment (ERA) were conducted to document chemicals of concern (COCs) that may pose potential risks to human health and the environment resulting from exposure to contamination at Anchor Test Area. Arsenic was the only human health COC identified in surface soil [0-1 ft below ground surface (bgs)]. No COCs were identified for subsurface soil (1-13 ft bgs), sediment, or surface water. In addition, the ERA concluded there is sufficient justification to recommend no further action from an ecological perspective. The contaminant fate and transport evaluation indicated soil remediation was not warranted to protect groundwater resources.

The CUG for arsenic in surface soil was developed in the feasibility study to support the remedial alternative selection process for soil remediation. The remedial alternatives were selected by combining general response actions, technology types, and process options retained from screening remedial technology/process options. Remedial alternatives assured adequate protection of human health and the environment, achieved RAOs, met Applicable and Relevant or Appropriate Requirements (ARARs), and permanently and significantly reduced the volume, toxicity, and/or mobility of COCs. Remedial alternatives were evaluated against the nine Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) criteria (overall protection of human health and the environment; compliance with ARARs; long-term effectiveness and permanence; reduction of toxicity, mobility, or volume through treatment; short-term effectiveness; implementability; cost; state acceptance; and community acceptance) and were compared against one another as part of the selection process.

The selected remedy in the *Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2014b) was Attain Unrestricted (Residential) Land Use. As two different polygons were presented in the Characterization of 14 AOCs report, RD sampling was conducted as

discussed in Section 3.3 to encompass both polygons identified as ATAss-005M and further refine the contamination. Once the area of contamination was further refined, the selected remedy specified removing shallow surface soil (0-1 ft bgs) at Anchor Test Area that exceeded the CUG for arsenic (15.4 mg/kg) with the collection of confirmation samples to confirm the identified contamination has been removed.

2.3 COMMUNITY INVOLVEMENT AND REGULATORY APPROVAL

The *Proposed Plan for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2013) was presented to the public on August 7, 2013. A 30-day public comment period was conducted from July 25, 2013 to August 23, 2013 and a public meeting was held on August 7, 2013 so the public could provide comments for consideration as part of the remedy selection process. The Army did not receive any verbal or written comments during the public meeting and public comment period.

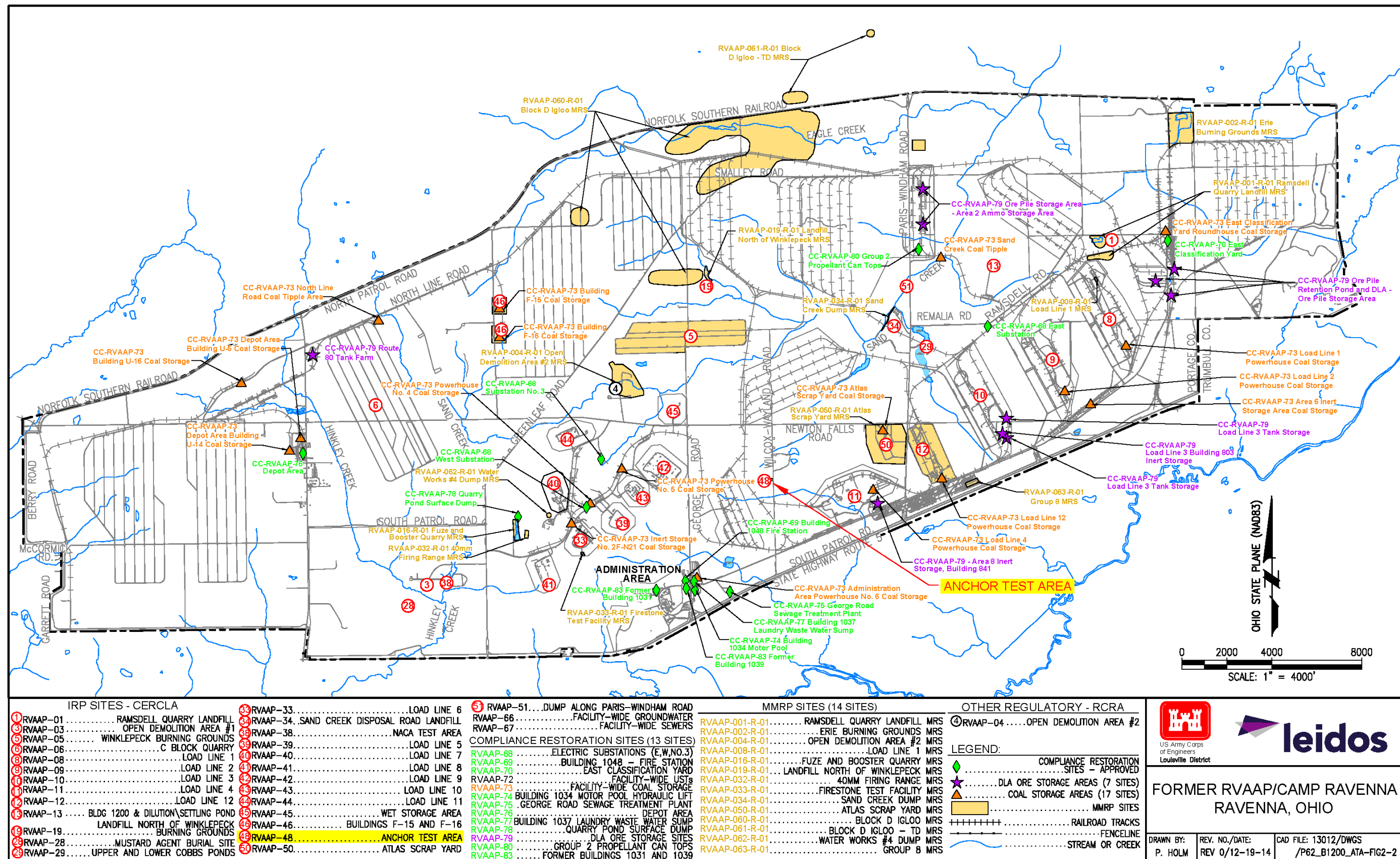


Figure 2-2. Camp Ravenna Installation Map

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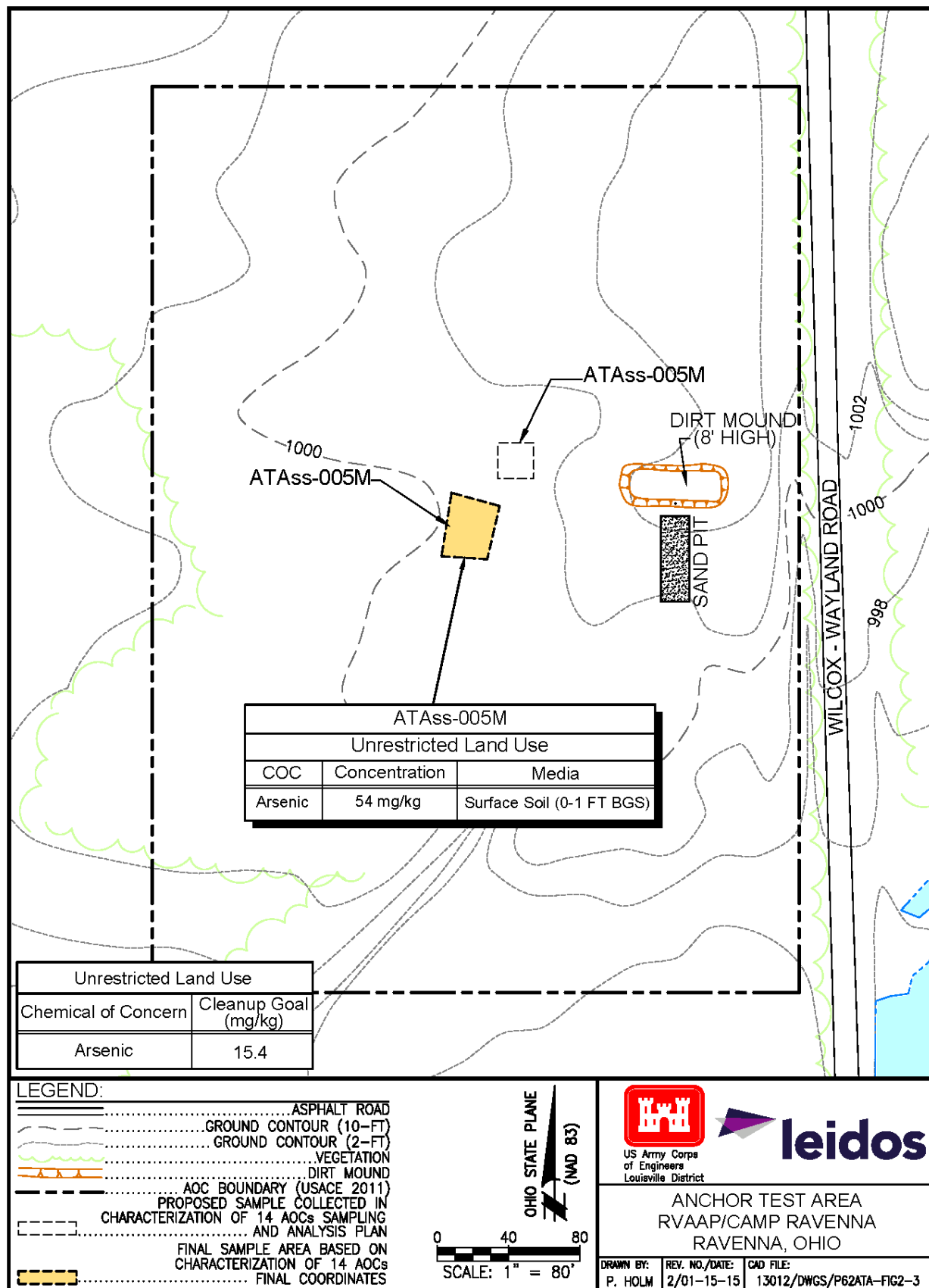


Figure 2-3. Features of Anchor Test Area

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3.0 REMEDIAL ACTION OBJECTIVE AND CLEANUP GOAL

This section describes the RAO and CUG for the selected remedy. The RAO specifies requirements the remedial action must fulfill to protect human health and the environment under current and reasonably anticipated future land use. CUGs are the chemical concentrations required to achieve the RAO.

3.1 REMEDIAL ACTION OBJECTIVE

The RAO specified in the ATA ROD was to prevent: (1) National Guard Trainee exposure to COCs above CUGs in soil; (2) adverse ecological effects from previous AOC activities; and (3) negative groundwater impacts from contaminant migration from source media (e.g., soil). The selected remedy [Alternative 2: Attain Unrestricted (Residential) Land Use] attained the RAO by remediating arsenic in soil to a depth of 1 ft bgs at location ATAss-005M. Sediment and surface water do not exist at Anchor Test Area. No remedial actions were required for soil to protect ecological resources or groundwater.

3.2 REMEDIAL ACTION CLEANUP GOAL

Table 3-1 presents the CUG to attain Unrestricted (Residential) Land Use for Anchor Test Area. The HHRA identified arsenic in surface soil (0-1 ft bgs) as a COC for the National Guard Trainee and Resident Farmer. Consequently, surface soil (0-1 ft bgs) at location ATAss-005M requires remediation to attain the future land use (Military Training) or Unrestricted (Residential) Land Use. No COCs were identified in subsurface soil (greater than 1 ft bgs) for either the National Guard Trainee or Resident Farmer.

Table 3-1. Summary of COCs, CUGs, and Locations Requiring Remedy at Anchor Test Area

Media	Chemicals of Concern	Cleanup Goals	Location and Depth Requiring Remediation (Arsenic Concentration)
Surface Soil	Arsenic	15.4 mg/kg	ATAss-005M (54 mg/kg) at 0-1 ft bgs
Subsurface Soil	None	Not applicable	Not applicable

^a The cleanup goal for arsenic is the Ravenna Army Ammunition Plant facility-wide background value for surface soil (0-1 ft bgs).

ft bgs = Feet below ground surface.

mg/kg = Milligram per kilogram.

3.3 REMEDIAL DESIGN SAMPLING

Incremental sampling method (ISM) area ATAss-005M was identified as requiring removal. To ensure the area with contamination was adequately defined prior to the remedial action and to refine areas and volumes of soil removal, the RD included provisions for additional sampling to ensure all contaminated soil was removed during this remedial action. Surface soil (0-1 ft bgs) samples were collected from four ISM areas in December 2013 (Figure 3-1) to encompass 1) the sample ATAss-005M polygon as presented in the Characterization of 14 AOCs sampling and analysis plan, and 2) the final sample ATAss-005M polygon based on coordinate data following completion of the

Characterization of 14 AOCs that exceeded the CUG. The removal of all contaminated soil was further ensured by confirmation sampling conducted on the sidewalls and excavation floor after the soil removal activities.

The comparison of sample results exceeding the arsenic CUG at Anchor Test Area are presented in Table 3-2. The ISM sample locations (ATAss-021M and ATAss-023M) were above the CUG and, therefore, required soil removal with confirmation sampling. The ISM sample areas below the CUG (ATAss-022M and ATAss-024M) did not require soil removal.

Table 3-2. Sample Results and Cleanup Goal Comparison Anchor Test Area

Station	Sample ID	Arsenic Concentration	Concentration Exceed Arsenic CUG of 15.4 mg/kg?
ATAss-021M	ATAss-021M-0001-SO	35 mg/kg	Yes
ATAss-022M	ATAss-022M-0002-SO	12 mg/kg	No
ATAss-023M	ATAss-023M-0003-SO	25 mg/kg	Yes
ATAss-024M	ATAss-024M-0005-SO	9.9 mg/kg	No

CUG = Cleanup Goal.

ID = Identification.

mg/kg = Milligram per kilogram.

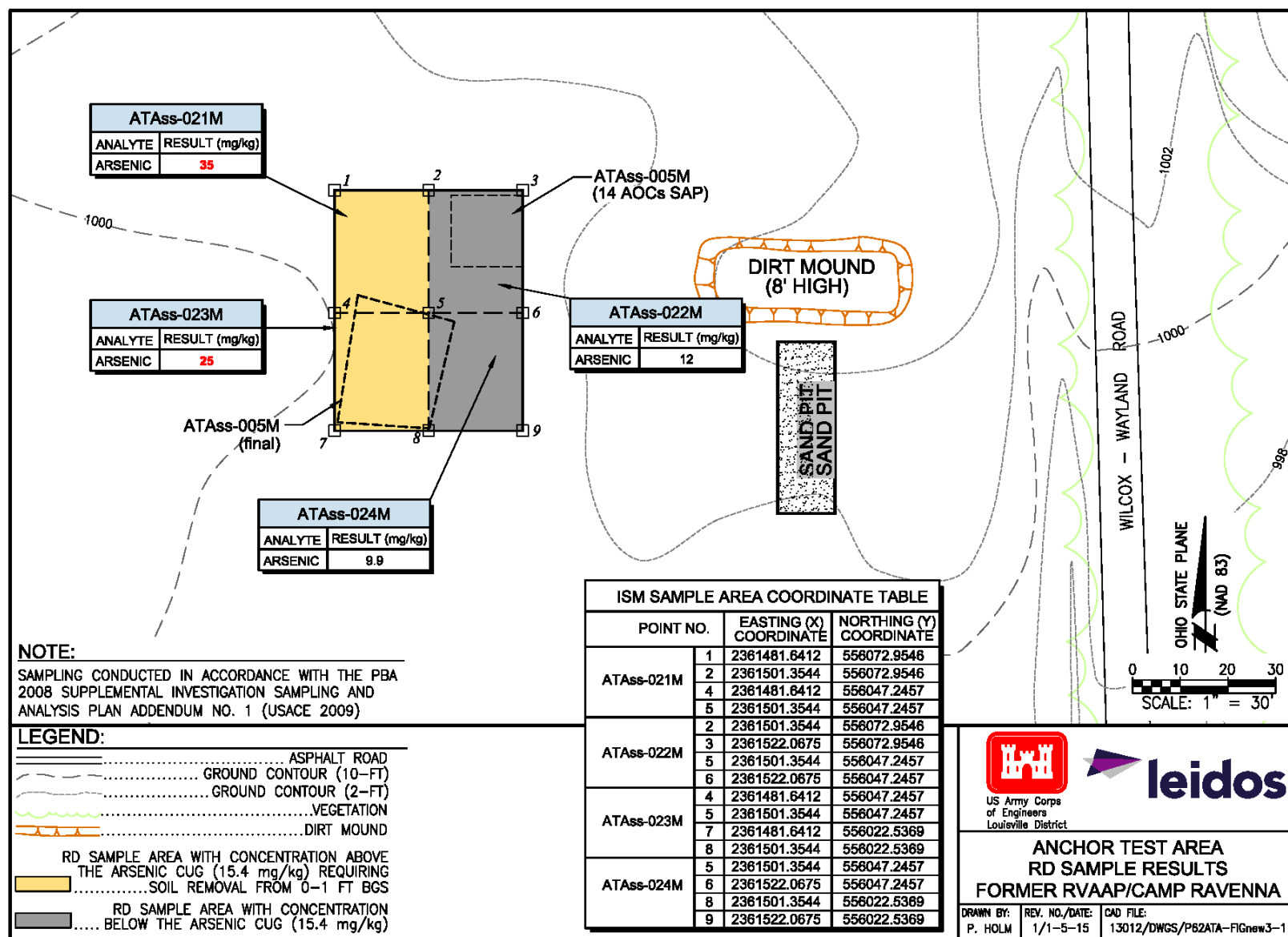


Figure 3-1. Remedial Design Sampling Scheme

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4.0 PROJECT ORGANIZATION AND COORDINATION

This section presents the project organization and describes the project team coordination. Figure 4-1 presents the project organization chart for this remedial action. The U.S. Army was the lead entity and was responsible for implementing this remedial action. USACE, Louisville District provided technical oversight on behalf of the U.S. Army. Ohio EPA was the regulatory authority governing work on this remedial action. Leidos was the primary contractor responsible for implementing the RD, which included the following:

- Selected and procured a qualified remedial subcontractor (Chemtron Corporation) to perform the work described herein;
- Provided project management and construction oversight;
- Coordinated transportation and disposal activities with RVAAP; and
- Collected confirmation samples.

A full description of the roles and responsibilities is included in Section 2.0 of the RD.

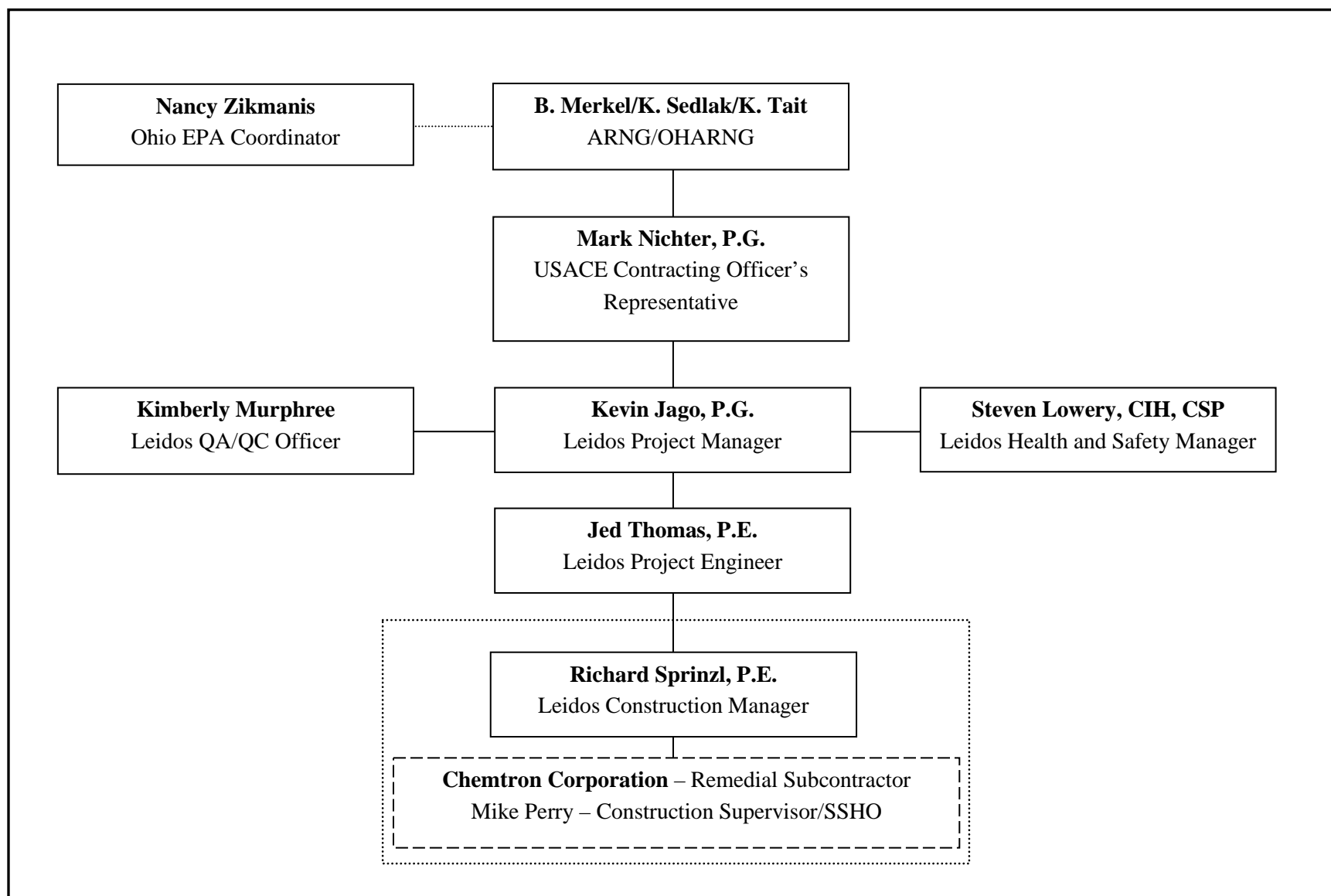


Figure 4-1. Project Organizational Chart

5.0 CONSTRUCTION MOBILIZATION

This section describes construction mobilization and site preparation activities required to implement the RD, including notification requirements and site preparation activities.

5.1 UTILITY CLEARANCE

On November 12, 2014, the Army confirmed there were no known subsurface hazards at or near the planned excavation areas. The e-mail documentation of this utility clearance is presented in Appendix A.

5.2 SITE CONTROL AND ACCESS

Prior to implementing the remedial action, Leidos submitted a roster of all personnel (including subcontractors) who would be working at the AOC. The Leidos Construction Manager coordinated with Camp Ravenna regarding incoming deliveries or pickups. Signs were erected along the traffic route to expedite deliveries, maintain traffic flow, promote safety, and prevent interference with other Camp Ravenna operations.

5.3 LAND SURVEY

Prior to starting excavation activities, the Leidos remedial action subcontractor (Subcontractor) established the initial horizontal limits of excavation by land survey for each removal area. The excavation limits were demarcated by wooden stakes to help guide operators implementing the soil removal activities.

5.4 VEGETATION CLEARING

On November 17, 2014, the site was grubbed and cleared to facilitate equipment access and excavate the contaminated soil. The Subcontractor removed as few trees as possible to perform the excavation. Only small trees required removal, and, in accordance with a November 7, 2014 site walk with OHARNG, these smaller trees did not require cutting or staging. The large trees at or near the excavation area did not require removal, as excavation activities were implemented around the trees.

5.5 STORMWATER CONTROLS

In accordance with the RD, silt fencing was installed to prevent siltation from the construction area. In addition to the specifications of the RD, a straw bale check dam was placed within the ditch line paralleling Wilcox-Wayland Road immediately down gradient of the haul route access point. Photograph 5-1 shows the silt fence, and Photograph 5-2 shows the straw bale check dam. Excavation areas were opened at the beginning of each day and covered with impermeable plastic sheeting at the end of each day's activities, where appropriate. Stormwater controls were inspected by the Leidos Construction Manager on a daily basis during construction activities and on a weekly basis between construction phases. Completed reports are presented in Appendix E.

The RD required containerization and characterization of any excavation water that collected in the excavated areas with soil remaining above the CUG. Excavation water was defined as water (e.g., rainwater, groundwater) that came in contact with any contaminated areas. Due to these best management practices (e.g., covering the excavated area at night), no excavation water required containerization during the remedial activities. Stormwater accumulated on top of plastic in both excavation areas. The Subcontractor removed the non-contact storm water with a submersible pump, and pumped it through downgradient stormwater controls. The discharge was monitored for adequate sediment control. The quantities of discharges were tracked on the Release of Rain Water from Secondary Containment form provided by the Camp Ravenna Environmental Office. Completed forms are presented in Appendix F.



Photograph 5-1. Silt Fence Installed Downgradient of Excavation Area



Photograph 5-2. Straw Bale Check Dam Paralleling Wilcox-Wayland Road

6.0 EXCAVATION AND SAMPLING ACTIVITIES

This section summarizes the soil excavation and disposal activities conducted during this remedial action.

6.1 SOIL REMOVAL ACTIVITIES

Soil removal activities began on November 18, 2014 and were completed on November 19, 2014. During the soil removal activities, a total of 45 tons of non-hazardous soil was placed in roll-off boxes, staged on site in the parking lot of Building 1036, and transported for acceptance to Envirite of Ohio in Canton, Ohio. The following sections describe the soil removal activities in further detail.

A 312E Hydraulic Excavator was used to excavate soil from the removal area at Anchor Test Area. Once removed with the 312E Hydraulic Excavator, the soil was placed in a 544K Wheel Loader to transport the soil into roll-off boxes lined with plastic. Photograph 6-1 shows the removal of surface soil from the contaminated area, and Photograph 6-2 shows the loading of contaminated soil into a roll-off box. Once roll-off boxes were filled, the exteriors of the roll-off boxes were inspected to ensure no contaminated soil was present. Prior to exiting the loading area, the roll-off box was covered and properly labeled prior to leaving the construction site.

Two field change requests (FCR-RVAAPB1200-001 and FCR-RVAAPB1200-003) were approved for the potential use of drying agents (Calciment© and Stabl-Zorb) in the event the soil was too saturated for transport or acceptance by the disposal facility. Neither of the drying agents was needed at Anchor Test Area, as the soil was adequately dry. The field change request forms for this project are presented in Appendix B.

With the approval of the Camp Ravenna Environmental Office, the roll-off boxes were temporarily staged on site at the parking lot of Building 1036. On December 5, 2014 and December 6, 2014, all non-hazardous material was transported for acceptance to Envirite of Ohio, Inc. in Canton, Ohio. Photograph 6-3 shows the covered and secured excavated area after the soil removal activities took place. Photograph 6-4 shows the roll-off boxes staged at the Building 1036 parking area.

6.2 CONFIRMATION SAMPLING

After excavation activities were completed, five confirmatory ISM samples were collected from the excavation footprint and analyzed in accordance with Section 7.0 of the RD at locations ATA-026M, ATA-027M, ATA-028M, ATA-029M, and ATA-030M (Figure 6-1). The confirmation sample results showed the remedial activities attained the CUG for arsenic. All confirmation soil sampling results are presented in Appendix C.



Photograph 6-1. Removing Surface Soil from Anchor Test Area



Photograph 6-2. Loading Contaminated Soil into Roll-off Box



Photograph 6-3. Covered and Secured Excavated Area Upon Completing Soil Removal



Photograph 6-4. Roll-off Boxes Staged at Building 1036 Parking Area

Samples ATAcS-026M-0006-SO, ATAcS-027M-0007-SO, ATAcS-027M-0011-FD, ATAcS-028M-0008-SO, ATAcS-029M-0009-SO, and ATAcS-030M-0010-SO were dried, sieved, and ground finely by TestAmerica Laboratories, Inc. (located in North Canton, Ohio) and were analyzed for total arsenic. The results were compared against the CUG of 15.4 mg/kg. The confirmation soil sample results are summarized in Table 6-1 and in Appendix C.

The laboratory results indicate arsenic concentrations are below the remedial action CUG. Therefore, no additional removal was required. Figure 6-1 shows the plan view of the excavated area.

Table 6-1. Confirmation Sample Results

Sample Location	Sample ID	Arsenic Concentration	Lab Result below Cleanup Goal?^a
ATA-026M (Excavation floor)	ATAcs-026M-0006-SO	14 mg/kg	Yes
ATA-027M (Northern wall)	ATAcs-027M-0007-SO	11 mg/kg	Yes
ATA-027M (Northern wall, field duplicate)	ATAcs-027M-0011-FD	12 mg/kg	Yes
ATA-028M (Western wall)	ATAcs-028M-0008-SO	15 mg/kg	Yes
ATA-029M (Eastern wall)	ATAcs-029M-0009-SO	11 mg/kg	Yes
ATA-030M (Southern wall)	ATAcs-030M-0010-SO	11 mg/kg	Yes

^a Remedial action cleanup goal for arsenic in soil is 15.4 mg/kg.

ID = Identification.

mg/kg = Milligrams per kilogram.

6.3 UNEXPECTED MATERIALS

No unexpected materials were encountered during soil removal activities.

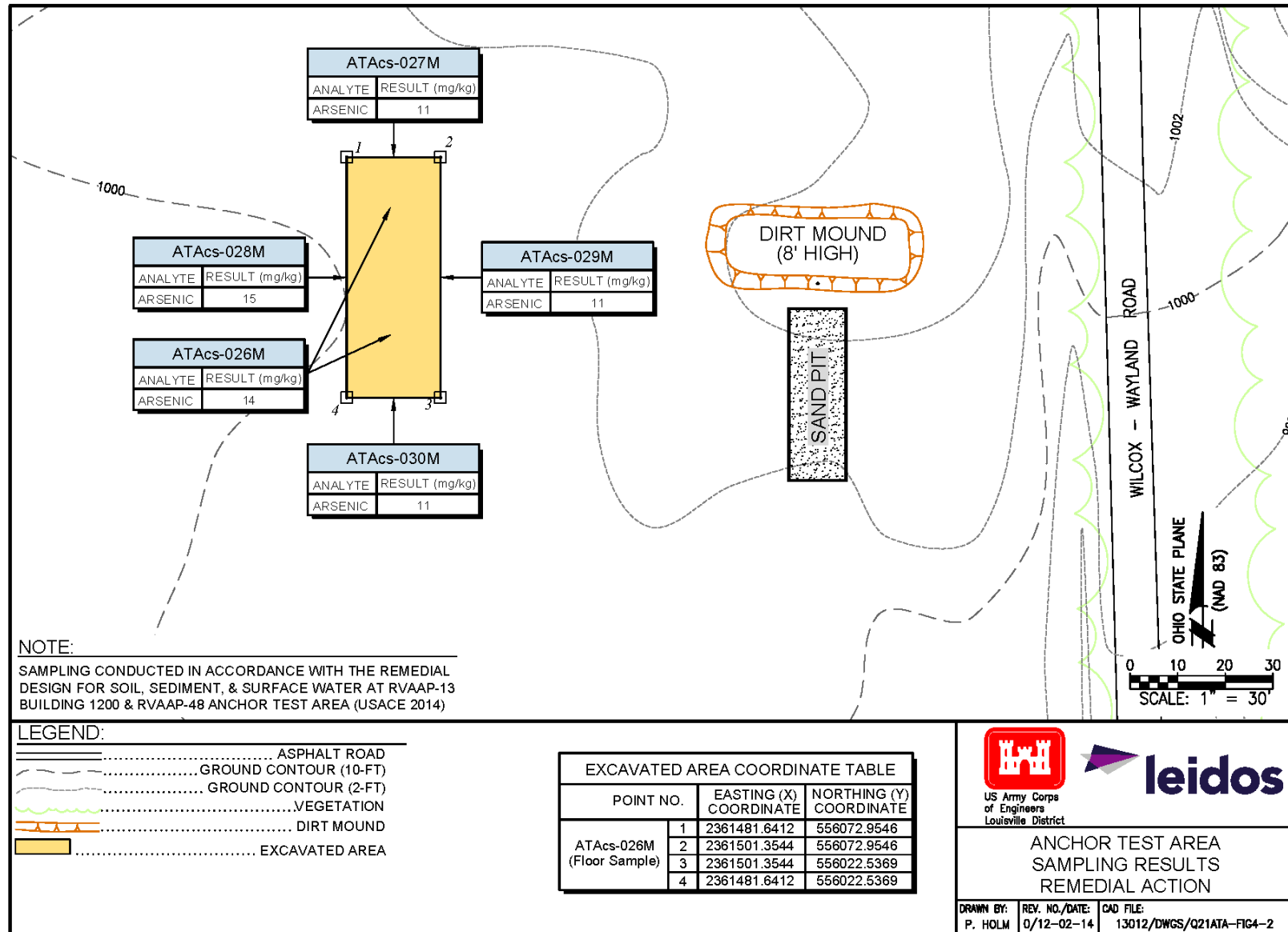


Figure 6-1. Excavation Area (Plan View)

7.0 SITE RESTORATION

The following sections describe the site restoration activities performed in accordance with Section 8.0 of the RD.

7.1 BACKFILL SOURCE PILE

Section 8.1 of the RD indicated a previous backfill source would be utilized for backfill once CUGs were attained during the soil excavation at Anchor Test Area. However, the backfill source specified in the RD was no longer available for use. Accordingly, Leidos identified and sampled a new backfill source at Patrick Excavating and Trucking at 5839 State Route 5, Ravenna, Ohio.

On September 11, 2014, the staged backfill source at Patrick Excavating and Trucking was sampled. One ISM sample (B12bf-060M-0014M-SO) was collected and analyzed for RVAAP full-suite parameters except volatile organic compounds (VOCs). One discrete sample (B12bf-060-0015-SO) was collected and analyzed for VOCs.

Data was screened using the RVAAP surface soil background values and Resident Receptor CUGs at 10^{-6} risk. The U.S. Environmental Protection Agency (USEPA) regional screening level for residential exposure for soil (10^{-6} risk) was used if an analyte did not have a CUG. A brief summary of the results are presented below.

- All analyte concentrations were below either the surface background values or the screening level.
- All pesticide, polychlorinated biphenyl (PCB), explosive, and VOC analyte concentrations were either not detectable or had estimated concentrations less than laboratory reporting levels.
- All semi-volatile organic compound (SVOC) analyte concentrations were either not detectable or were below the screening level, with the exception of benzo(a)pyrene at a concentration of 0.11 mg/kg. The concentration of benzo(a)pyrene (0.11 mg/kg) is less than half the Resident Farmer CUG at 10^{-5} of 0.221 mg/kg.

The results of the background sampling event and Ohio EPA's approval to use this source are documented in the field change request (FCR-RVAAPB1200-002) presented in Appendix B.

7.2 BACKFILLING OPEN EXCAVATION

Upon confirming that CUGs were attained and no further excavation was required, the excavation footprint was backfilled using soil from the approved source and graded to match the existing drainage pattern and neighboring and/or original elevations. The backfill material was graded and compacted. Photograph 7-1 shows the backfilled excavation area, and Photograph 7-2 shows the excavation area after seeding and mulching.



Photograph 7-1. Backfilled Excavation Area



Photograph 7-2. Excavation Area after Backfill, Seeding, and Mulching

7.3 RE-VEGETATION AND REMOVAL OF EROSION CONTROLS

Re-vegetation and re-seeding of disturbed area took place during the week of December 8, 2014. Re-seeding the areas was performed with the prescribed seed mixtures detailed in Tables 8-3 and 8-4 of the RD. At the time of submission of this RAR, Leidos will continue to perform weekly inspections of the site and the silt fencing to ensure the storm water controls are intact. The inspection frequency may be reduced to at least once per month if runoff is unlikely due to weather conditions (e.g., snow, ice, ground frozen). Once vegetation is established to 70 percent coverage, the silt fencing and other storm water controls will be removed and disposed.

8.0 CONCLUSIONS

The selected remedy for soil, sediment, and surface water at Anchor Test Area , as documented in the ATA ROD (USACE 2014b), was to excavate contaminated soil to achieve an arsenic CUG of 15.4 mg/kg for Unrestricted (Residential) Land Use. The remedial action described within this RAR attained the remedial action CUG and RAO established in the ATA ROD. Table 8-1 presents the removal totals from Anchor Test Area.

Table 8-1. Soil Removal Quantity

Location	Total Waste Volume (tons)
Anchor Test Area	45

Table 8-2 presents the final confirmation soil sampling results.

Table 8-2. Confirmation Soil Sample Results

ISM Sample Area	Confirmation Soil Sample Results (Arsenic Concentration)	Confirmation Sample Result Below Cleanup Goal? ^a
ATA-026M (Excavation floor)	14 mg/kg	Yes
ATA-027M (Northern wall)	11 mg/kg	Yes
ATA-028M (Western wall)	15 mg/kg	Yes
ATA-029M (Eastern wall)	11 mg/kg	Yes
ATA-030M (Southern wall)	11 mg/kg	Yes

^a Remedial action cleanup goal for arsenic in soil is 15.4 mg/kg.

ISM = Incremental Sampling Method.

mg/kg = Milligrams per kilogram.

By achieving the remedial action CUG, ATA is allowed for Unrestricted (Residential) Land Use for soil. Sediment and surface water are not present at the AOC. Land use controls, CERCLA five-year reviews, or operations and maintenance sampling are not required for these media. Appendix G presents an insert for the Property Management Plan that provides a summary of ATA, the remedial activities completed, and documents that no land use controls are required for soil, sediment, and surface water after completing this remedial action.

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9.0 REFERENCES

- MKM Engineers, Inc. (MKM) 2007. *Characterization of 14 AOCs at Ravenna Army Ammunition Plant*. March 2007.
- Ohio Environmental Protection Agency (Ohio EPA) 2004. *Director's Final Findings and Orders in the Matter of U.S. Department of the Army, Ravenna Army Ammunitions Plant*. June 2004.
- U.S. Army Corps of Engineers (USACE) 2012. *Remedial Investigation/Feasibility Study Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2012.
- USACE 2013. *Proposed Plan for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. April 2013.
- USACE 2014a. *Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area at the Ravenna Army Ammunition Plant*. August 2014.
- USACE 2014b. *Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2014.
- United States Army Center for Health Promotion and Preventative Medicine (USACHPPM) 1998. *Relative Risk Site Evaluation for Newly Added Sites at the Ravenna Army Ammunition Plant, Ravenna, Ohio. Hazardous and Medical Waste Study No. 37-EF-5360-99*. October 1998.

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APPENDIX A UTILITY CLEARANCE

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Thomas, Jed H.

From: Sedlak, Kevin M CTR (US) <kevin.m.sedlak.ctr@mail.mil>
Sent: Wednesday, November 12, 2014 7:28 AM
To: Thomas, Jed H.
Cc: Sprinzl, Rich E.
Subject: RE: B1200 and ATA - Utility Clearance (UNCLASSIFIED)
Signed By: kevin.m.sedlak.ctr@mail.mil

Classification: UNCLASSIFIED
Caveats: NONE

There are no known active utilities buried or aboveground in either area.

Kevin Sedlak
Restoration Project Manager
Camp Ravenna
1438 State Route 534 SW
Newton Falls, OH 44444
ARNG-ILE Clean Up
Office Phone 614-336-6000 Ex 2053
<mailto:kevin.m.sedlak.ctr@mail.mil>

-----Original Message-----

From: Thomas, Jed H. [<mailto:JED.H.THOMAS@leidos.com>]
Sent: Tuesday, November 11, 2014 12:42 PM
To: Sedlak, Kevin M CTR (US)
Cc: Sprinzl, Rich E.
Subject: RE: B1200 and ATA - Utility Clearance

Hi Kevin - Just following up, can you confirm the info below regarding the utility clearance at the Building 1200 or Anchor Test Area soil removal areas? Thank you.

From: Thomas, Jed H.
Sent: Monday, November 03, 2014 4:54 PM
To: Kevin Sedlak (kevin.m.sedlak.ctr@mail.mil)
Cc: Sprinzl, Rich E.
Subject: B1200 and ATA - Utility Clearance

Kevin -

Per the Remedial Design and Leidos' requirements, can you confirm to the best of your knowledge that there are no known subsurface assets or hazards at or near where the Building 1200 and Anchor Test Area soil removal areas will take place?

Please let me know if you have any questions or need additional information.

Thank you,

Jed

Jed Thomas | Leidos

Project Manager | Environmental Restoration Division

phone: 330.405.5802

fax: 330.405.9811

jed.h.thomas@leidos.com <<mailto:john.t.doe@leidos.com>> |
leidos.com/engineering <<http://www.leidos.com/engineering>>

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Classification: UNCLASSIFIED

Caveats: NONE

APPENDIX B
FIELD CHANGE REQUEST FORMS

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FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-001

FCR NO. FCR-RVAAPB1200-001

DATE INITIATED 10/27/14

PROJECT Building 1200 and Anchor Test Area Remedial Action

CONTRACT NO. GSA Contract No. W912QR-04-D-0028 Delivery Order No. 0001

REQUESTOR IDENTIFICATION

NAME Jed Thomas

ORGANIZATION Leidos

PHONE 330-405-5802

TITLE Deputy Project Manager

SIGNATURE [Signature]

BASELINE IDENTIFICATION

BASELINE(S) AFFECTED ☐ Cost ☐ Scope ☐ Milestone ☒ Method of Accomplishment

AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION)

Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area (Section 6.0)

DESCRIPTION OF CHANGE:

Due to the timing of the remedial action and potential saturated soil that may be encountered, Leidos and Remedial Subcontractor would also like a provision to use Calciment® as a drying agent during the Building 1200 and Anchor Test Area remedial actions. On an as needed basis, Calciment® will be mixed with excavated soil. The drying agent will be mixed with the excavated soil to ensure the material does not have free liquids when it is loaded to the haul trucks and can be accepted for disposed at the landfill. The Calciment will not change the characteristics of the disposed material. Attached to this FCR are lab sheets presenting typical chemical analysis and TCLP analysis of Calciment®.

JUSTIFICATION:

Justification for use of the Calciment® is to ensure haul trucks do not contain any free liquids during transport and the excavated material is dry enough to be accepted at the receiving landfill.

IMPACT OF NOT IMPLEMENTING REQUEST:

The use of the drying agent will ensure the truck loads will not leak during transportation to the landfill and will ensure the landfill will accept the disposed material. The use of the Calciment® will minimize disposal volumes, relative to volumes created from other drying agents such as sawdust.

PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST:

Leidos and Remedial Subcontractor

COST ESTIMATE (\$) 0

ESTIMATOR SIGNATURE No cost impact to USACE

PHONE NA

DATE NA

PREVIOUS FCR AFFECTED ☐ YES ☒ NO; IF YES, FCR NO.

USACE COTR

[Signature]

DATE 10/29/2014

OHIO EPA PROJECT MANAGER

[Signature]

DATE 11/5/14

LEIDOS H&S MANGER SIGNATURE (IF APPLICABLE)

NA

DATE NA



CALCIMENT®

**Typical Chemical Analysis
Grand River**

<u>Element</u>	<u>Formula</u>	<u>Percent</u>
Total Calcium Oxide	CaO	64.89
Magnesium Oxide	MgO	2.86
Silicon Dioxide	SiO ₂	7.86
Aluminum Oxide	Al ₂ O ₃	3.56
Iron Oxide	Fe ₂ O ₃	0.89
Potassium Oxide	K ₂ O ₃	0.46
Sulfur Trioxide	SO ₃	4.34
Sodium Oxide	Na ₂ O	.38
Titanium Dioxide	TiO ₂	0.13
Manganese Dioxide	MnO ₂	0.04
Phosphorus Pentoxide	P ₂ O ₅	0.20
Strontium Oxide	SrO	0.07
Barium Oxide	BaO	0.07
Carbon	C	14.25
Available/Free Calcium Oxide		40 - 45



CALCIMENT®

TCLP

Grand River, OH

ELEMENT	FORMULA	RESULT mg/L	LIMIT
ARSENIC	As	< 2.500	5.00
BARIUM	Ba	0.300	100.00
CADMIUM	Cd	< 0.010	1.00
CHROMIUM	Cr	< 0.050	0.05
LEAD	Pb	< 0.10	5.00
MERCURY	Hg	< 0.005	0.20
SELENIUM	Se	< 0.50	1.00
SILVER	Ag	<0.01	5.00

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-002

FCR NO. FCR-RVAAPB1200-002

DATE INITIATED 10/24/14

PROJECT Building 1200 and Anchor Test Area Remedial Action

CONTRACT NO. GSA Contract No. W912QR-04-D-0028 Delivery Order No. 0001

REQUESTOR IDENTIFICATION

NAME Jed Thomas

ORGANIZATION Leidos

PHONE 330-405-5802

TITLE Deputy Project Manager SIGNATURE 

BASELINE IDENTIFICATION

BASELINE(S) AFFECTED ☐ Cost ☐ Scope ☐ Milestone ☒ Method of Accomplishment

AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION)

Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area (Section 8.1)

DESCRIPTION OF CHANGE:

Section 8.1 of the referenced Remedial Design indicates the a previous backfill source will be utilized for backfill once the cleanup goals are attained during the soil excavation at the Building 1200 and Anchor Test Area AOCs. However, the backfill source specified in the Remedial Design is no longer available for use. Accordingly, Leidos identified and sampled a new backfill source at Patrick Excavating and Trucking at 5839 State Route 5, Ravenna, Ohio.

On September 11, 2014, the staged backfill source at Patrick Excavating and Trucking was sampled. One ISM sample (B12bf-060M-0014M-SO) was collected and analyzed for RVAAP full suite parameters except VOCs. One discrete sample (B12bf-060-0015-SO) was collected and analyzed for VOCs.

The results of the analyses are attached to this FCR. Data was screened using the RVAAP surface soil background values and Resident Receptor cleanup goals (CUGs) at 10-6 risk. The EPA Regional Screening Level for resident for soil (10-6 risk) (May 2014) was used if an analyte did not have a CUG. A brief summary of the results are presented below.

- 1) All analyte concentrations were below either the surface background values or the screening level.
- 2) All pesticide, PCB, explosive, and VOC analyte concentrations were either not detectable or had estimated concentrations.
- 3) All SVOC analyte concentrations were either not detectable or were below the screening level, with the exception of benzo(a)pyrene at a concentration of 0.11 mg/kg. The concentration of benzo(a)pyrene (0.11 mg/kg) is less than half the Resident Farmer CUG at 10-5 of 0.221 mg/kg.

Additional details of the sampling activities will be presented in the Remedial Action Report.

JUSTIFICATION:

The justification for this FCR is to obtain approval of staged soil for use as backfill after the Building 1200 and Anchor Test Areas meet the cleanup goals. As noted, the source used previously and cited in the Remedial Design is no longer available for use. Having acceptable backfill available for the remedial action is a critical component of completing this remedial action.

IMPACT OF NOT IMPLEMENTING REQUEST:

The impact of not implementing request is there will not be soil backfill available at the time the cleanup goals are attained during the soil removal activities. This would result in having open excavations that may result in ponding of storm water, safety hazards, and will delay the overall site restoration component of this remedial action.

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-002

PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST:

Leidos and Remedial Subcontractor

COST ESTIMATE (\$) 0

ESTIMATOR SIGNATURE No cost impact to USACE

PHONE NA

DATE NA

PREVIOUS FCR AFFECTED ☐ YES ☒ NO; IF YES, FCR NO.

USACE COTR

Mark W. Hutton

DATE 10/29/2014

OHIO EPA PROJECT MANAGER

Sh Kh

DATE 11/5/14

LEIDOS H&S MANGER SIGNATURE (IF APPLICABLE)

NA

DATE NA

Building 1200/Anchor Test Area Backfill Sample Results

Sample Id	CAS Number	Background Criteria	Screening Level(HQ=.1, Risk=1E-6)	Screening Level Source	B12bf-060- 0015-SO	B12bf-060M- 0014-SO
Date					09/11/14	09/11/14
Analyte						
Metals						
Aluminum	7429-90-5	17700	7380	RFC	NR	6400
Antimony	7440-36-0	0.96	2.82	RFC	NR	0.13 J
Arsenic	7440-38-2	15.4	0.425	RFA	NR	7.4
Barium	7440-39-3	88.4	1413	RFC	NR	46 J
Beryllium	7440-41-7	0.88	16	RSL	NR	0.38 J
Cadmium	7440-43-9	0	6.41	RFC	NR	<0.35 UJ
Calcium	7440-70-2	15800	1000000	RDA	NR	1700
Chromium	7440-47-3	17.4	8147	RFC	NR	15 J
Cobalt	7440-48-4	10.4	131	RFC	NR	6.4
Copper	7440-50-8	17.7	311	RFC	NR	7.4
Iron	7439-89-6	23100	180000	RDA	NR	14000
Lead	7439-92-1	26.1	400	RSL	NR	17
Magnesium	7439-95-4	3030	1000000	RDA	NR	1200
Manganese	7439-96-5	1450	293	RFC	NR	590
Nickel	7440-02-0	21.1	155	RFC	NR	11 J
Potassium	7440-09-7	927	1000000	RDA	NR	370
Selenium	7782-49-2	1.4	39	RSL	NR	1.4
Silver	7440-22-4	0	38.6	RFC	NR	0.038 J
Sodium	7440-23-5	123	1000000	RDA	NR	71 J
Thallium	7440-28-0	0	0.612	RFC	NR	<0.35 UJ
Vanadium	7440-62-2	31.1	44.9	RFC	NR	15
Zinc	7440-66-6	61.8	2321	RFC	NR	33 J
Organics - Explosives						
1,3,5-Trinitrobenzene	99-35-4		225	RFC	NR	<0.05 U
1,3-Dinitrobenzene	99-65-0		0.765	RFC	NR	<0.05 U
2,4,6-Trinitrotoluene	118-96-7		3.65	RFC	NR	<0.05 U
2,4-Dinitrotoluene	121-14-2		0.753	RFA	NR	<0.05 U
2,6-Dinitrotoluene	606-20-2		0.769	RFA	NR	<0.05 U
2-Amino-4,6-Dinitrotoluene	35572-78-2		1.54	RFC	NR	<0.05 U
2-Nitrotoluene	88-72-2		3.88	RFC	NR	<0.05 U
3-Nitrotoluene	99-08-1		0.62	RSL	NR	<0.05 U
4-Amino-2,6-Dinitrotoluene	19406-51-0		1.54	RFC	NR	<0.05 U
4-Nitrotoluene	99-99-0		52.5	RFC	NR	<0.05 U
HMX	2691-41-0		359	RFC	NR	<0.05 U
Nitrobenzene	98-95-3		5.1	RSL	NR	<0.05 U
Nitrocellulose	9004-70-0		1800000	RSL	NR	<1.8 U
Nitroglycerin	55-63-0		52.5	RFC	NR	<0.25 U
Nitroguanidine	556-88-7		620	RSL	NR	<0.039 U
PETN	78-11-5		12	RSL	NR	0.04 J
RDX	121-82-4		8.03	RFC	NR	<0.05 U
Tetryl	479-45-8		12	RSL	NR	<0.05 U
Organics - Semivolatile						
1,2,4-Trichlorobenzene	120-82-1		5.8	RSL	NR	<0.043 U

Building 1200/Anchor Test Area Backfill Sample Results

Sample Id	CAS Number	Background Criteria	Screening Level(HQ=.1, Risk=1E-6)	Screening Level Source	B12bf-060- 0015-SO	B12bf-060M- 0014-SO
Date					09/11/14	09/11/14
Analyte						
1,2-Dichlorobenzene	95-50-1		180	RSL	NR	<0.086 U
1,3-Dichlorobenzene	541-73-1			NR	NR	<0.086 U
1,4-Dichlorobenzene	106-46-7		2.6	RSL	NR	<0.086 U
2,4,5-Trichlorophenol	95-95-4		620	RSL	NR	<0.17 U
2,4,6-Trichlorophenol	88-06-2		6.2	RSL	NR	<0.086 UJ
2,4-Dichlorophenol	120-83-2		18	RSL	NR	<0.17 U
2,4-Dimethylphenol	105-67-9		120	RSL	NR	<0.17 U
2,4-Dinitrophenol	51-28-5		12	RSL	NR	<0.17 U
2-Chloronaphthalene	91-58-7		630	RSL	NR	<0.0043 U
2-Chlorophenol	95-57-8		39	RSL	NR	<0.086 U
2-Methyl-4,6-dinitrophenol	534-52-1		0.49	RSL	NR	<0.086 U
2-Methylnaphthalene	91-57-6		30.6	RFC	NR	0.011 J
2-Methylphenol	95-48-7		310	RSL	NR	<0.17 U
2-Nitrobenzenamine	88-74-4		61	RSL	NR	<0.086 U
2-Nitrophenol	88-75-5			NR	NR	<0.086 U
3+4-Methylphenol	15831-10-4		620	RSL	NR	<0.17 U
3,3'-Dichlorobenzidine	91-94-1		1.2	RSL	NR	<0.17 U
3-Nitrobenzenamine	99-09-2			NR	NR	<0.17 U
4-Bromophenyl phenyl ether	101-55-3			NR	NR	<0.086 U
4-Chloro-3-methylphenol	59-50-7		620	RSL	NR	<0.17 U
4-Chlorobenzenamine	106-47-8		2.7	RSL	NR	<0.17 U
4-Chlorophenyl phenyl ether	7005-72-3			NR	NR	<0.086 U
4-Nitrobenzenamine	100-01-6		25	RSL	NR	<0.17 U
4-Nitrophenol	100-02-7		61.2	RFC	NR	<0.17 U
Acenaphthene	83-32-9		350	RSL	NR	<0.0085 U
Acenaphthylene	208-96-8		170	RSL	NR	<0.0043 U
Anthracene	120-12-7		1700	RSL	NR	0.013 J
Benz(a)anthracene	56-55-3		0.221	RFA	NR	0.084
Benzenemethanol	100-51-6		620	RSL	NR	<0.17 U
Benzo(a)pyrene	50-32-8		0.022	RFA	NR	0.11 *
Benzo(b)fluoranthene	205-99-2		0.221	RFA	NR	0.16
Benzo(ghi)perylene	191-24-2		170	RSL	NR	0.12
Benzo(k)fluoranthene	207-08-9		2.21	RFA	NR	0.086
Benzoic acid	65-85-0		25000	RSL	NR	0.2 J
Bis(2-chloroethoxy)methane	111-91-1		23	RFC	NR	<0.17 U
Bis(2-chloroethyl) ether	111-44-4		0.23	RSL	NR	<0.0085 U
Bis(2-chloroisopropyl) ether	108-60-1		4.9	RSL	NR	<0.086 U
Bis(2-ethylhexyl)phthalate	117-81-7		38	RSL	NR	<0.086 U
Butyl benzyl phthalate	85-68-7		280	RSL	NR	<0.086 U
Carbazole	86-74-8		44.6	RFC	NR	<0.086 U
Chrysene	218-01-9		22.1	RFA	NR	0.11
Di-n-butyl phthalate	84-74-2		620	RSL	NR	<0.086 U
Di-n-octylphthalate	117-84-0		62	RSL	NR	<0.086 U
Dibenz(a,h)anthracene	53-70-3		0.022	RFA	NR	<0.0085 U

Building 1200/Anchor Test Area Backfill Sample Results

Sample Id	CAS Number	Background Criteria	Screening Level(HQ=.1, Risk=1E-6)	Screening Level Source	B12bf-060- 0015-SO	B12bf-060M- 0014-SO
Date					09/11/14	09/11/14
Analyte						
Dibenzofuran	132-64-9		15.3	RFC	NR	<0.0085 U
Diethyl phthalate	84-66-2		4900	RSL	NR	<0.086 U
Dimethyl phthalate	131-11-3			NR	NR	<0.086 U
Fluoranthene	206-44-0		163	RFC	NR	0.2
Fluorene	86-73-7		243	RFC	NR	<0.0085 U
Hexachlorobenzene	118-74-1		0.33	RSL	NR	<0.0085 U
Hexachlorobutadiene	87-68-3		6.2	RSL	NR	<0.086 U
Hexachlorocyclopentadiene	77-47-4		37	RSL	NR	<0.086 U
Hexachloroethane	67-72-1		4.3	RSL	NR	<0.086 U
Indeno(1,2,3-cd)pyrene	193-39-5		0.221	RFA	NR	0.096
Isophorone	78-59-1		560	RSL	NR	<0.086 U
N-Nitroso-di-n-propylamine	621-64-7		0.12	RFC	NR	<0.086 U
N-Nitrosodiphenylamine	86-30-6		110	RSL	NR	<0.086 U
Naphthalene	91-20-3		122	RFC	NR	0.0093 J
Pentachlorophenol	87-86-5		2.12	RFA	NR	<0.086 U
Phenanthrene	85-01-8		170	RSL	NR	0.066
Phenol	108-95-2		1800	RSL	NR	<0.086 U
Pyrene	129-00-0		122	RFC	NR	0.16
Organics - Pesticide/PCB						
4,4'-DDD	72-54-8		2.2	RSL	NR	<0.0017 U
4,4'-DDE	72-55-9		2.63	RFC	NR	0.0011 J
4,4'-DDT	50-29-3		1.9	RSL	NR	<0.0017 U
Aldrin	309-00-2		0.053	RFC	NR	<0.0017 U
Dieldrin	60-57-1		0.056	RFC	NR	<0.0017 U
Endosulfan I	959-98-8		37	RSL	NR	<0.0017 U
Endosulfan II	33213-65-9		37	RSL	NR	<0.0017 U
Endosulfan sulfate	1031-07-8		37	RSL	NR	<0.0017 U
Endrin	72-20-8		1.12	RFC	NR	<0.0017 U
Endrin aldehyde	7421-93-4		1.8	RSL	NR	<0.0017 U
Endrin ketone	53494-70-5		1.8	RSL	NR	<0.0017 U
Heptachlor	76-44-8		0.198	RFC	NR	<0.0017 U
Heptachlor epoxide	1024-57-3		0.098	RFC	NR	<0.0017 U
Lindane	58-89-9		0.56	RSL	NR	0.003 J
Methoxychlor	72-43-5		31	RSL	NR	<0.0033 U
Toxaphene	8001-35-2		0.48	RSL	NR	<0.034 U
alpha-BHC	319-84-6		0.085	RSL	NR	0.0049 J
alpha-Chlordane	5103-71-9		1.8	RSL	NR	<0.0017 U
beta-BHC	319-85-7		0.496	RFC	NR	0.0023 J
delta-BHC	319-86-8			NR	NR	<0.0017 U
gamma-Chlordane	5103-74-2		1.8	RSL	NR	0.0019 J
Organics - Volatile						
1,1,1-Trichloroethane	71-55-6		640	RSL	<0.0012 U	NR
1,1,2,2-Tetrachloroethane	79-34-5		0.6	RSL	<0.0012 U	NR
1,1,2-Trichloroethane	79-00-5		0.15	RSL	<0.0012 U	NR

Building 1200/Anchor Test Area Backfill Sample Results

Sample Id	CAS Number	Background Criteria	Screening Level(HQ=.1, Risk=1E-6)	Screening Level Source	B12bf-060-0015-SO	B12bf-060M-0014-SO
Date					09/11/14	09/11/14
Analyte						
1,1-Dichloroethane	75-34-3		3.6	RSL	<0.0012 U	NR
1,1-Dichloroethene	75-35-4		23	RSL	<0.0012 U	NR
1,2-Dibromoethane	106-93-4		0.036	RSL	<0.0012 UJ	NR
1,2-Dichloroethane	107-06-2		0.46	RSL	<0.0012 U	NR
1,2-Dichloroethene	540-59-0			NR	<0.0024 U	NR
1,2-Dichloropropane	78-87-5		1	RSL	<0.0024 U	NR
2-Butanone	78-93-3		2700	RSL	<0.0047 U	NR
2-Hexanone	591-78-6		20	RSL	<0.0012 U	NR
4-Methyl-2-pentanone	108-10-1		530	RSL	<0.0012 U	NR
Acetone	67-64-1		6100	RSL	<0.018 UJ	NR
Benzene	71-43-2		1.2	RSL	<0.00059 UJ	NR
Bromochloromethane	74-97-5		15	RSL	<0.0024 U	NR
Bromodichloromethane	75-27-4		0.29	RSL	<0.00059 UJ	NR
Bromoform	75-25-2		67	RSL	<0.0012 U	NR
Bromomethane	74-83-9		0.68	RSL	<0.0012 U	NR
Carbon disulfide	75-15-0		77	RSL	<0.0012 U	NR
Carbon tetrachloride	56-23-5		0.65	RSL	<0.0012 U	NR
Chlorobenzene	108-90-7		28	RSL	<0.0012 UJ	NR
Chloroethane	75-00-3		1400	RSL	<0.0012 U	NR
Chloroform	67-66-3		0.32	RSL	<0.00059 U	NR
Chloromethane	74-87-3		11	RSL	<0.00059 U	NR
Dibromochloromethane	124-48-1		0.73	RSL	<0.0012 UJ	NR
Ethylbenzene	100-41-4		5.8	RSL	<0.00059 UJ	NR
Methylene chloride	75-09-2		35	RSL	<0.0024 U	NR
Styrene	100-42-5		600	RSL	<0.00059 UJ	NR
Tetrachloroethene	127-18-4		8.1	RSL	<0.0012 UJ	NR
Toluene	108-88-3		490	RSL	<0.00059 UJ	NR
Trichloroethene	79-01-6		0.41	RSL	<0.0012 UJ	NR
Vinyl chloride	75-01-4		0.059	RSL	<0.0012 U	NR
Xylenes, total	1330-20-7		58	RSL	<0.0024 U	NR
cis-1,3-Dichloropropene	10061-01-5		1.8	RSL	<0.0012 UJ	NR
trans-1,3-Dichloropropene	10061-02-6		1.8	RSL	<0.0012 U	NR

*- Exceeds screening level

NR- not reported

U-not detected

UJ-not detected, reporting limit estimated

J- estimated

RFC-Resident Farmer Child

RFA-Resident Farmer Adult

RDA-Recommended daily allowance for nutrient

RSL-EPA Regional Screening Level for resident for soil (May 2014)

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-003

FCR NO. FCR-RVAAPB1200-003

DATE INITIATED 11/3/14

PROJECT Building 1200 and Anchor Test Area Remedial Action

CONTRACT NO. GSA Contract No. W912QR-04-D-0028 Delivery Order No. 0001

REQUESTOR IDENTIFICATION

NAME Jed Thomas

ORGANIZATION Leidos

PHONE 330-405-5802

TITLE Deputy Project Manager SIGNATURE 

BASELINE IDENTIFICATION

BASELINE(S) AFFECTED ☐ Cost ☐ Scope ☐ Milestone ☒ Method of Accomplishment

AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION)

Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area (Section 6.0)

DESCRIPTION OF CHANGE:

Due to the timing of the remedial action and potential saturated soil that may be encountered, in addition to potentially using Calciment® as a drying agent, Leidos and Remedial Subcontractor would also like a provision to use Stabl-Zorb as a drying agent during the Building 1200 and Anchor Test Area remedial actions. On an as needed basis, the Stabl-Zorb will be mixed with excavated soil. Stabl-Zorb is designed to both aid in fluid stabilization and is an all-natural product made of corncob. Stabl-Zorb is an environmentally-friendly remediation material. The drying agent will be mixed with the excavated soil to ensure the material does not have free liquids when it is loaded to the haul trucks and can be accepted for disposed at the landfill. The Stabl-Zorb will not change the characteristics of the disposed material. Attached to this FCR are Safety Data Sheets associated with this material.

JUSTIFICATION:

Justification for use of the Stabl-Zorb is to ensure haul trucks do not contain any free liquids during transport and the excavated material is dry enough to be accepted at the receiving landfill.

IMPACT OF NOT IMPLEMENTING REQUEST:

The use of the drying agent will ensure the truck loads will not leak during transportation to the landfill and will ensure the landfill will accept the disposed material. The use of the Stabl-Zorb will minimize disposal volumes, relative to volumes created from other drying agents such as sawdust.

PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST:

Leidos and Remedial Subcontractor

COST ESTIMATE (\$) 0

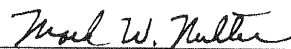
ESTIMATOR SIGNATURE No cost impact to USACE

PHONE NA

DATE NA

PREVIOUS FCR AFFECTED ☐ YES ☒ NO; IF YES, FCR NO.

USACE COTR



DATE 11/4/2014

OHIO EPA PROJECT MANAGER



DATE 11/5/2014

LEIDOS H&S MANGER SIGNATURE (IF APPLICABLE)

NA

DATE NA

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-003



THE ANDERSONS SAFETY DATA SHEET

DATE PREPARED: 10/17/00

CURRENT AS OF: 6/18/14

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT NAMES: Dri-Zorb[®], DZ300, Stabl-Cobs[™], Stabl-Pell[™], Grit-O'Cobs[®], Lite-R'Cobs[®], XRP[®],
Stabl-Zorb[™]

PRODUCT USE: Corncob carrier / filler

MFR INFO: The Andersons Cob Products
PO Box 119
Maumee, Ohio, USA 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 891-2957

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

CATEGORY

INTERPRETATION

SKIN IRRITATION

3

Mild

EYE IRRITATION

2B

Severe Eye Irritation Possible

TARGET ORGAN SYSTEMIC TOXICITY

3

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE
- IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES
- IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE
- WASH HANDS AFTER HANDLING
- USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS
- AVOID BREATHING DUST
- IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING
- DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY

SYNONYM

CAS NUMBER

CONCENTRATION (%)

Corncob fractions

Not listed

100.0

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-003

CORNCOBS

SECTION 4: FIRST AID MEASURES

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
IF SWALLOWED:	If victim is alert and not convulsing, give one glass of water to dilute material. Seek immediate medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic; typical of wood smoke.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES:	Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies.
PROTECTIVE EQUIPMENT:	See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Corn cob fractions	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-003

CORNCOBS

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved particulate respirator, if required

EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield recommended

SKIN PROTECTION: Long sleeves, cotton gloves recommended

VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Tan granules, with no appreciable odor

pH: Not available

MELTING POINT: Not applicable

BOILING POINT: Not applicable

FLASH POINT: 350°F (open cup), 388°F (closed cup)

EVAPORATION RATE: Not applicable

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: 0.8 – 1.2

SOLUBILITY (IN WATER): Practically insoluble

PARTITION COEFFICIENT: Not applicable

AUTOIGNITION TEMP: Not applicable

DECOMPOSITION TEMP: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable

CONDITIONS TO AVOID: Excessive heat (over 300°F)

INCOMPATIBILITY: Strong oxidizers, caustics, acids

HAZARDOUS DECOMPOSITION PRODUCTS: CO_x

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the nose and respiratory tract. Skin irritation may result from repeated or prolonged exposure. May also be irritating to the eyes.

CARCINOGENICITY: The ingredient is not a known / listed carcinogen.

INGREDIENT TOXICITY RANGES:

ORAL: None listed

DERMAL: None listed

INHALATION: None listed

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

FIELD CHANGE REQUEST (FCR) FCR-RVAAPB1200-003

CORNCOBS

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0

PREPARED BY: SS

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.

APPENDIX C

LABORATORY ANALYTICAL RESULTS

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-44561-1

Client Project/Site: RVAAP Building 1200 and ATA Remedial Act

For:

Leidos, Inc.

8866 Commons Boulevard

Suite 201

Twinsburg, Ohio 44087

Attn: Jed Thomas



Authorized for release by:

11/25/2014 3:02:06 PM

Mark Loeb, Project Manager II

(330)966-9387

mark.loeb@testamericainc.com

LINKS

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results through

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Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1P

Project/Site: RVAAP Building 1200 and ATA Remedial ActP

QualifiersG

Metals

Qualifier	Qualifier Description
DP	The reported value is from a dilution.P
JP	Estimated: The analyte was positively identified; the quantitation is an estimationP

GlossaryG

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ⒶP	Listed under the "D" column to designate that the result is reported on a dry weight basisP
%R	Percent RecoveryP
CFLP	Contains Free LiquidP
CNFP	Contains no Free LiquidP
DERP	Duplicate error ratio (normalized absolute difference)P
Dil Fa	Dilution FactorP
DL, RA, RE, INP	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleP
DLCP	Decision level concentrationP
MDAP	Minimum detectable activityP
EDLP	Estimated Detection LimitP
MDCP	Minimum detectable concentrationP
MDLP	Method Detection LimitP
MLP	Minimum Level (Dioxin)P
NCP	Not CalculatedP
NDP	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation LimitP
QCP	Quality ControlP
RERP	Relative error ratioP
RLP	Reporting Limit or Requested Limit (Radiochemistry)P
RPDP	Relative Percent Difference, a measure of the relative difference between two pointsP
TEFP	Toxicity Equivalent Factor (Dioxin)P
TEQP	Toxicity Equivalent Quotient (Dioxin)P

Case NarrativeE

Client: Leidos, Inc.P
Project/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1

Job ID: 240-44561-1vv

Laboratory: TestAmerica CantonE

NarrativeE

CASE NARRATIVE

Client: Leidos, Inc.E

Project: RVAAP Building 1200 and ATA Remedial ActE

Report Number: 240-44561-1E

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 11/19/2014 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

TOTAL METALS (ICPMS) WITH INCREMENTAL SAMPLE PREPARATION

Samples ATAcS-026M-0006-SO (240-44561-1), ATAcS-027M-0007-SO (240-44561-2), ATAcS-028M-0008-SO (240-44561-3), ATAcS-029M-0009-SO (240-44561-4), ATAcS-030M-0010-SO (240-44561-5) and ATAcS-027M-0011-FD (240-44561-6) were analyzed for total metals (ICPMS) with incremental sample preparation in accordance with ITRC Technical and Regulatory Guidance: ISM, February 2012 and EPA SW-846 Method 6020 DoD. The samples began the drying process on 11/19/2014 and were ground, sieved and subaliquoted on 11/19/2014. Samples were digested for metals analysis on 11/21/2014 and analyzed on 11/24/2014.

Arsenic was detected in method blank MB 240-157854/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SOLIDS/PERCENT MOISTURE

Case NarrativeE

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1

Project/Site: RVAAP Building 1200 and ATA Remedial ActP

Job ID: 240-44561-1 (Continued)E

Laboratory: TestAmerica Canton (Continued)E

Samples ATAcS-026M-0006-SO (240-44561-1), ATAcS-027M-0007-SO (240-44561-2), ATAcS-028M-0008-SO (240-44561-3), P ATAcS-029M-0009-SO (240-44561-4), ATAcS-030M-0010-SO (240-44561-5) and ATAcS-027M-0011-FD (240-44561-6) were analyzed for P Total Solids/Percent Moisture in accordance with Percent Moisture method. The samples were leached on 11/19/2014 and analyzed on P 11/21/2014. P

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.P

Method Summary

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1P

roject/Site: RVAAP Building 1200 and ATA Remedial ActP

Method	Method Description	Protocol	Laboratory
6020P	Metals (ICP/MS)	SW846P	TAL CANP
Moisture	Percent MoistureP	EPAP	TAL CANP

Protocol References:

EPA = US Environmental Protection Agencyaa

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.aPa

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396P

Sample Summary

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1P

roject/Site: RVAAP Building 1200 and ATA Remedial ActP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-44561-1P	ATAcs-026M-0006-SOP	SolidP	11/18/14 13:50P	11/19/14 10:15P
240-44561-2P	ATAcs-027M-0007-SOP	SolidP	11/18/14 12:35P	11/19/14 10:15P
240-44561-3P	ATAcs-028M-0008-SOP	SolidP	11/18/14 13:00P	11/19/14 10:15P
240-44561-4P	ATAcs-029M-0009-SOP	SolidP	11/18/14 13:15P	11/19/14 10:15P
240-44561-5P	ATAcs-030M-0010-SOP	SolidP	11/18/14 13:30P	11/19/14 10:15P
240-44561-6P	ATAcs-027M-0011-FDP	SolidP	11/18/14 12:35P	11/19/14 10:15P

Detection Summary5

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-026M-0006-SO5

Lab Sample ID: 240-44561-15

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	14P DP	0.95P	0.025P mg/KgP	2P ✖ 6020P	Total/NA

Client Sample ID: ATAcS-027M-0007-SO5

Lab Sample ID: 240-44561-25

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	11P DP	0.84P	0.022P mg/KgP	2P ✖ 6020P	Total/NA

Client Sample ID: ATAcS-028M-0008-SO5

Lab Sample ID: 240-44561-35

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	15P DP	0.90P	0.023 mg/KgP	2P ✖ 6020P	Total/NA

Client Sample ID: ATAcS-029M-0009-SO5

Lab Sample ID: 240-44561-45

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	11P DP	0.96P	0.025P mg/KgP	2P ✖ 6020P	Total/NA

Client Sample ID: ATAcS-030M-0010-SO5

Lab Sample ID: 240-44561-5

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	11P DP	0.92P	0.024P mg/KgP	2P ✖ 6020P	Total/NA

Client Sample ID: ATAcS-027M-0011-FD5

Lab Sample ID: 240-44561-65

Analyte5	Result5 Qualifier5	LOQ5	DL5 Unit5	Dil Fac5 D5 Method5	Prep Type5
Arsenic	12P DP	1.0P	0.026P mg/KgP	2P ✖ 6020P	Total/NA

This Detection Summary does not include radiochemical test results.P

TestAmerica CantonP

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-026M-0006-SOr

Lab Sample ID: 240-44561-1r

Date Collected: 11/18/14 13:50r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 98.1r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	14r	Dr	0.95P	0.025P	mg/KgP	☆	11/21/14 10:12P	11/24/14 10:25P	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	98r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	1.9r		0.10P	0.10P	%P			11/21/14 08:44P	1P

TestAmerica CantonP

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-027M-0007-SOr

Lab Sample ID: 240-44561-2r

Date Collected: 11/18/14 12:35r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 98.1r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	11r	Dr	0.84P	0.022P	mg/KgP	☆	11/21/14 10:12P	11/24/14 10:44P	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	98r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	1.9r		0.10P	0.10P	%P			11/21/14 08:44P	1P

TestAmerica CantonP

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-028M-0008-SOr

Lab Sample ID: 240-44561-3r

Date Collected: 11/18/14 13:00r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 98.0r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	15r	Dr	0.90P	0.023	mg/KgP	☆	11/21/14 10:12P	11/24/14 10:47P	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	98r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	2.0r		0.10P	0.10P	%P			11/21/14 08:44P	1P

TestAmerica CantonP

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-029M-0009-SOr

Lab Sample ID: 240-44561-4r

Date Collected: 11/18/14 13:15r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 97.8r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	11r	Dr	0.96P	0.025P	mg/KgP	☆	11/21/14 10:12P	11/24/14 10:51P	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	98r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	2.2r		0.10P	0.10P	%P			11/21/14 08:44P	1P

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-030M-0010-SOr

Lab Sample ID: 240-44561-5r

Date Collected: 11/18/14 13:30r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 97.5r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	11r	Dr	0.92P	0.024P	mg/KgP	☆	11/21/14 10:12P	11/24/14 11:03	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	97r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	2.5r		0.10P	0.10P	%P			11/21/14 08:44P	1P

Client Sample Resultsr

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-027M-0011-FDr

Lab Sample ID: 240-44561-6r

Date Collected: 11/18/14 12:35r

Matrix: Solidr

Date Received: 11/19/14 10:15r

Percent Solids: 97.5r

Method: 6020 - Metals (ICP/MS)

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Arsenicr	12r	Dr	1.0P	0.026P	mg/KgP	☆	11/21/14 10:12P	11/24/14 11:06P	2P

General Chemistryr

Analyter	Resultr	Qualifier	LOQr	DLr	Unitr	Dr	Preparedr	Analyzedr	Dil Facr
Percent Solidsr	97r		0.10P	0.10P	%P			11/21/14 08:44P	1P
Percent Moisturer	2.5r		0.10P	0.10P	%P			11/21/14 08:44P	1P

QC Sample Resultsk

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Method: 6020 - Metals (ICP/MS)RR

Lab Sample ID: MB 240-157854/1-A ^2k

Matrix: Solidk

Analysis Batch: 158267k

Client Sample ID: Method Blank

Prep Type: Total/NAk

Prep Batch: 157854k

Analyte	MBk MBk Resultk Qualifierk	LOQk	DLk Unitk	Dk	Preparedk	Analyzed	Dil Fac
Arsenic	0.0276P J DP	1.0P	0.026P mg/KgP		11/21/14 10:12P	11/24/14 10:18P	2P

Lab Sample ID: LCS 240-157854/2-A ^2k

Matrix: Solidk

Analysis Batch: 158267k

Client Sample ID: Lab Control Sample

Prep Type: Total/NAk

Prep Batch: 157854k

Analyte	Spik Addedk	LCSk LCSk Resultk Qualifierk	Unitk	Dk	%Reck	%Rec.k Limitsk	
Arsenic	100P	85.8P DP	mg/KgP		86P	73 - 110P	

Lab Sample ID: 240-44561-1 MSk

Matrix: Solidk

Analysis Batch: 158267k

Client Sample ID: ATAcS-026M-0006-SOK

Prep Type: Total/NAk

Prep Batch: 157854k

Analyte	Sample sultk	Sample Qualifierk	Spik Addedk	MSk MSk Resultk Qualifierk	Unitk	Dk	%Reck	%Rec.k Limitsk	
Arsenic	14P	DP	9.53P	22.6P DP	mg/KgP	✱	94P	23 - 131P	

Lab Sample ID: 240-44561-1 DUK

Matrix: Solidk

Analysis Batch: 158267k

Client Sample ID: ATAcS-026M-0006-SOK

Prep Type: Total/NAk

Prep Batch: 157854k

Analyte	Sample sultk	Sample Qualifierk	DUk DUK Resultk Qualifierk	Unitk	Dk		PDk	Limitk
Arsenic	14P	DP	13.3P DP	mg/KgP	✱		2P	20P

Method: Moisture - Percent Moisture

Lab Sample ID: 240-44561-1 DUK

Matrix: Solidk

Analysis Batch: 157814k

Client Sample ID: ATAcS-026M-0006-SOK

Prep Type: Total/NAk

Analyte	Sample sultk	Sample Qualifierk	DUk DUK Resultk Qualifierk	Unitk	Dk		PDk	Limit
ercent SolidsP	98P		98P	%P			0.08P	20P
ercent MoistureP	1.9		1.8P	%P			4P	20P

TestAmerica CantonP

QC Association Summaryb

Client: Leidos, Inc.P
roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Metalstt

ISM Prep Batch: 157738b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1P	ATAcs-026M-0006-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-1 DU	ATAcs-026M-0006-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-1 MSP	ATAcs-026M-0006-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-2P	ATAcs-027M-0007-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-3P	ATAcs-028M-0008-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-4P	ATAcs-029M-0009-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-5P	ATAcs-030M-0010-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-6P	ATAcs-027M-0011-FDP	Total/NAP	SolidP	Increment, PrepP	

Prep Batch: 157854b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1P	ATAcs-026M-0006-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-1 DU	ATAcs-026M-0006-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-1 MSP	ATAcs-026M-0006-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-2P	ATAcs-027M-0007-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-3P	ATAcs-028M-0008-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-4P	ATAcs-029M-0009-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-5P	ATAcs-030M-0010-SOP	Total/NAP	SolidP	3050BP	157738P
240-44561-6P	ATAcs-027M-0011-FDP	Total/NAP	SolidP	3050BP	157738P
LCS 240-157854/2-A ^2P	Lab Control SampleP	Total/NAP	SolidP	3050BP	
MB 240-157854/1-A ^2P	Method BlankP	Total/NAP	SolidP	3050BP	

Analysis Batch: 158267b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1P	ATAcs-026M-0006-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-1 DU	ATAcs-026M-0006-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-1 MSP	ATAcs-026M-0006-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-2P	ATAcs-027M-0007-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-3P	ATAcs-028M-0008-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-4P	ATAcs-029M-0009-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-5P	ATAcs-030M-0010-SOP	Total/NAP	SolidP	6020P	157854P
240-44561-6P	ATAcs-027M-0011-FDP	Total/NAP	SolidP	6020P	157854P
LCS 240-157854/2-A ^2P	Lab Control SampleP	Total/NAP	SolidP	6020P	157854P
MB 240-157854/1-A ^2P	Method BlankP	Total/NAP	SolidP	6020P	157854P

General Chemistrytt

ISM Prep Batch: 157738b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1P	ATAcs-026M-0006-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-1 DU	ATAcs-026M-0006-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-2P	ATAcs-027M-0007-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-3P	ATAcs-028M-0008-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-4P	ATAcs-029M-0009-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-5P	ATAcs-030M-0010-SOP	Total/NAP	SolidP	Increment, PrepP	
240-44561-6P	ATAcs-027M-0011-FDP	Total/NAP	SolidP	Increment, PrepP	

Analysis Batch: 157814b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1P	ATAcs-026M-0006-SOP	Total/NAP	SolidP	MoistureP	157738P

TestAmerica CantonP

QC Association Summaryb

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1P

roject/Site: RVAAP Building 1200 and ATA Remedial ActP

General Chemistry (Continued)tt

Analysis Batch: 157814 (Continued)b

Lab Sample IDb	Client Sample IDb	Prep Typeb	Matrixb	Methodb	Prep Batchb
240-44561-1 DU	ATAcs-026M-0006-SOP	Total/NAP	SolidP	MoistureP	157738P
240-44561-2P	ATAcs-027M-0007-SOP	Total/NAP	SolidP	MoistureP	157738P
240-44561-3P	ATAcs-028M-0008-SOP	Total/NAP	SolidP	MoistureP	157738P
240-44561-4P	ATAcs-029M-0009-SOP	Total/NAP	SolidP	MoistureP	157738P
240-44561-5P	ATAcs-030M-0010-SOP	Total/NAP	SolidP	MoistureP	157738P
240-44561-6P	ATAcs-027M-0011-FDP	Total/NAP	SolidP	MoistureP	157738P

TestAmerica CantonP

Lab Chronicle1

Client: Leidos, Inc.P
 roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-026M-0006-SO1

Lab Sample ID: 240-44561-1

Date Collected: 1 /18/14 13:501

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 98.1

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Prepared1 or Analyzed1	Analyst1	Lab1
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANP
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 10:25P	AMM2P	TAL CANP
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANP

Client Sample ID: ATAcS-027M-0007-SO1

Lab Sample ID: 240-44561-21

Date Collected: 1 /18/14 12:351

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 98.1

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Prepared1 or Analyzed1	Analyst1	Lab1
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANP
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 10:44P	AMM2P	TAL CANP
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANP

Client Sample ID: ATAcS-028M-0008-SO1

Lab Sample ID: 240-44561-31

Date Collected: 1 /18/14 13:001

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 98.01

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Prepared1 or Analyzed1	Analyst1	Lab1
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANP
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 10:47P	AMM2P	TAL CANP
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANP

Client Sample ID: ATAcS-029M-0009-SO1

Lab Sample ID: 240-44561-41

Date Collected: 1 /18/14 13:151

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 97.81

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Prepared1 or Analyzed1	Analyst1	Lab1
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANP
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 10:51P	AMM2P	TAL CANP
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANP

TestAmerica CantonP

Lab Chronicle1

Client: Leidos, Inc.P
 roject/Site: RVAAP Building 1200 and ATA Remedial ActP

TestAmerica Job ID: 240-44561-1P

Client Sample ID: ATAcS-030M-0010-SO1

Lab Sample ID: 240-44561-51

Date Collected: 1 /18/14 13:301

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 97.51

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Prepared1 or Analyzed1	Analyst1	Lab1
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANP
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 11:03	AMM2P	TAL CANP
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANP
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANP

Client Sample ID: ATAcS-027M-001 -FD1

Lab Sample ID: 240-44561-61

Date Collected: 1 /18/14 12:351

Matrix: Solid1

Date Received: 1 /19/14 10:151

Percent Solids: 97.51

Prep Type1	Batch1 Type1	Batch1 Method1	Run	Dilution Factor1	Batch1 Number1	Preparedii or Analyzed1	Analyst1	Labii
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANdd
Total/NAP	repP	3050BP			157854P	11/21/14 10:12P	DEEP	TAL CANdd
Total/NAP	AnalysisP	6020P		2P	158267P	11/24/14 11:06P	AMM2P	TAL CANdd
Total/NAP	ISM PrepP	Increment, PrepP			157738P	11/19/14 15:00P	DRJP	TAL CANdd
Total/NAP	AnalysisP	MoistureP		1P	157814P	11/21/14 08:44P	KSP	TAL CANdd

Laboratory References:1

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396P

Certification Summary

Client: Leidos, Inc.P

TestAmerica Job ID: 240-44561-1

Project/Site: RVAAP Building 1200 and ATA Remedial ActP

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.P

Authority	Program	EPA Region	Certification ID	Expiration Date
CaliforniaP	NELAP	9	01144CA	06-30-14 *P
CaliforniaP	State ProgramP	9P	2927P	04-30-15P
ConnecticutP	State ProgramP	1P	H-0590P	12-31-14P
FloridaP	NELAP	4P	E87225P	06-30-15P
GeorgiaP	State ProgramP	4P	N/AP	06-30-15P
IllinoisP	NELAP	5P	200004P	07-31-15P
KansasP	NELAP	7P	E-10336P	01-31-15P
Kentucky (UST)P	State ProgramP	4P	58P	06-30-15P
-A-BP	DoD ELAP		2315P	07-18-16P
MinnesotaP	NELAP	5P	039-999-348P	12-31-14P
NevadaP	State ProgramP	9P	OH-000482008AP	07-31-15P
New JerseyP	NELAP	2P	OH001P	06-30-15P
New YorkP	NELAP	2P	10975P	03-31-15P
Ohio VAP	State ProgramP	5P	CL0024P	10-31-15
PennsylvaniaP	NELAP	3P	68-00340P	08-31-15P
TexasP	NELAP	6P		08-31-15P
USDAP	Federal		P330-13-00319P	11-26-16P
VirginiaP	NELAP	3P	460175P	09-14-15P
WashingtonP	State ProgramP	10P	C971P	01-12-15P
West Virginia DEP	State ProgramP	3P	210P	12-31-14P
WisconsinP	State ProgramP	5P	999518190P	08-31-15P

* Certification renewal pending - certification considered valid.P

TestAmerica CantonP

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-44561 Chain of Custody

APPENDIX D
MANIFEST LOG, WASTE PROFILE, AND WASTE MANIFESTS

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Anchor Test Area Remedial Action
Manifest Log

Load #	Disposal Date	Area of Concern	Date of Generation	Transporter	Truck License No.	Accepting Facility	Waste Profile No.	Manifest Document No.	Landfill Quantity (tons)	Copy of Initial manifest leaving site (Y/N)	Signed Final Manifest Received from Landfill (Y/N)
1	12/1/2014	ATA	11/18/2014	Chemtron	TNV1816	Envirite	K145150EOH	046122	16.73	Y	Y
2	12/1/2014	ATA	11/18/2014	Chemtron	TNV1816	Envirite	K145150EOH	046123	18.58	Y	Y
3	12/2/2014	ATA	11/18/2014	Chemtron	TNV1816	Envirite	K145150EOH	046124	10.06	Y	Y
TOTAL									45.37		

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

OH5 210 020 736

2. Page 1 of 1

3. Emergency Response Phone
(800) 351-8061

4. Waste Tracking Number

046122

5. Generator's Name and Mailing Address

1438 STATE ROUTE 534 SW

NEWTON FALLS, OH 44444

Generator's Phone:

(614) 336-6136

Generator's Site Address (if different than mailing address)

8451 STATE ROUTE 5

RAVENNA, OH 44266

6. Transporter 1 Company Name

~~JMW Trucking~~ KST Cheutron

U.S. EPA ID Number

OHD000000000

7. Transporter 2 Company Name

U.S. EPA ID Number

~~JMW 000 000 000~~ KST

8. Designated Facility Name and Site Address

2050 CENTRAL AVENUE, S.E.

CANTON, OH 44707

Facility's Phone:

(330) 617-4300

U.S. EPA ID Number

OHD 980 568 992

9. Waste Shipping Name and Description

1. NON-REGULATED MATERIAL

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

001 CM EST. 15 T

13. Special Handling Instructions and Additional Information

1. K145150EOH / Non Regulated Soil

Box #716

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Kathryn S Tait

Signature

Kathryn S Tait

Month Day Year
12 01 14

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Jeremy M. Bracic

Signature

Jeremy M. Bracic

Month Day Year
12 01 14

Transporter 2 Printed/Typed Name

Signature

Month Day Year
12 01 14

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

NONE

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Robert Vaughan

Signature

Robert Vaughan

Month Day Year
12 01 14

ENVIRITE OF OHIO, INC.
CANTON, OHIO 44707

WEIGHT TALLY

NUMBER _____

REMARKS: _____

RAVENNA

CHEMTRON

K145150E0H

73040 lb 10:27 am 12/01/14

73040 lb Gross

33460 lb Net

45580 lb Tare

10:47 am 12/01/14

☐ LPU

☐ SPU

ENVIRITE OF OHIO, INC., WEIGHER

BRECHBUHLER SCALES

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

OH5 210 020 736

2. Page 1 of

1

3. Emergency Response Phone

(800) 851-8061

4. Waste Tracking Number

046123

5. Generator's Name and Mailing Address

FORMER RAVENNA ARMY AMMUNITION
1438 STATE ROUTE 534 SW

Generator's Site Address (if different than mailing address)

NEWTON FALLS, OH 44444

8451 STATE ROUTE 5

RAVENNA, OH 44266

Generator's Phone:

(614) 336-6136

6. Transporter 1 Company Name

~~JMW Trucking~~ **KST Chemtron**

U.S. EPA ID Number

OHD06060609

7. Transporter 2 Company Name

U.S. EPA ID Number

OHD 980 568 992

8. Designated Facility Name and Site Address

ENVIRITE OF OHIO, INC.
2050 CENTRAL AVENUE, S.E.
CANTON, OH 44707

U.S. EPA ID Number

Facility's Phone:

(330) 617-4300

9. Waste Shipping Name and Description

1. NON-REGULATED MATERIAL

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

001

CM

EST./5

T

13. Special Handling Instructions and Additional Information

1. K145150EOH / Non Regulated Soil

Box # 733

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Kathryn S Tait

Signature

Kathryn S Tait

Month

Day

Year

12

01

14

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Jeremy M. Bracic

Signature

Jeremy M. Bracic

Month

Day

Year

12

01

14

Transporter 2 Printed/Typed Name

Signature

Month

Day

Year

17. Discrepancy

17a. Discrepancy Indication Space

☐

Quantity

☐

Type

☐

Residue

☐

Partial Rejection

☐

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month

Day

Year

NONE

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Robert Vaughan

Signature

Robert Vaughan

Month

Day

Year

12

01

14

ENVIRITE OF OHIO, INC.
CANTON, OHIO 44707

WEIGHT TALLY

NUMBER _____

REMARKS: _____

RAVENNA ARMY

CHESTRON

K145150E0H

82080 lb 02:18 PM 12/01/14

82080 lb Gross

37160 lb Net

44920 lb Tare

☐ LPU

☐ SPU

02:48 PM 12/01/14

ENVIRITE OF OHIO, INC., WEIGHER
BRECHBUHLER SCALES

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5 210 020 736		2. Page 1 of 1		3. Emergency Response Phone (800) 851-8061		4. Waste Tracking Number 046124	
		5. Generator's Name and Mailing Address FORMER RAVENNA ARMY AMMUNITION 1438 STATE ROUTE 534 SW NEWTON FALLS, OH 44444 Generator's Phone: (614) 336-6136						Generator's Site Address (if different than mailing address) 8451 STATE ROUTE 5 RAVENNA, OH 44266	
GENERATOR		6. Transporter 1 Company Name JMW Trucking KST Chautron						U.S. EPA ID Number OHD 000 000 000 KST	
		7. Transporter 2 Company Name						U.S. EPA ID Number	
DESIGNATED FACILITY		8. Designated Facility Name and Site Address ENVIRITE OF OHIO, INC. 2050 CENTRAL AVENUE, S.E. CANTON, OH 44707 Facility's Phone: (330) 617-4300						U.S. EPA ID Number OHD 980 568 992	
		9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.	
		1. NON-REGULATED MATERIAL		00/ CM		EST. 15		T	
		2.							
		3.							
		4.							
INT'L		13. Special Handling Instructions and Additional Information 1 K145150EOH / Non Regulated Soil Box #736							
		14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.							
TRANSPORTER		Generator's/Officer's Printed/Typed Name Kathryn S Tait				Signature Kathryn S Tait		Month Day Year 12 02 14	
		15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:			
		16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Jeremy M. Bracic				Signature Jeremy M. Bracic		Month Day Year 12 02 14	
		Transporter 2 Printed/Typed Name				Signature		Month Day Year	
DESIGNATED FACILITY		17. Discrepancy							
		17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: U.S. EPA ID Number							
		17b. Alternate Facility (or Generator) Facility's Phone:						U.S. EPA ID Number	
		17c. Signature of Alternate Facility (or Generator)						Month Day Year	
		NONE							
DESIGNATED FACILITY		18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a							
		Printed/Typed Name Ricardo Sanders				Signature Ricardo Sanders		Month Day Year 12 02 14	

ENVIRITE OF OHIO, INC.
CANTON, OHIO 44707

WEIGHT TALLY

NUMBER _____

REMARKS: _____
K145150EDH
RAVENH
CHEMTRON

65060 lb 12:23 PM 12/02/14

65060 lb Gross

20120 lb Net

44940 lb Tare

12:33 PM 12/02/14

☐ LPU

☐ SPU

ENVIRITE OF OHIO, INC., WEIGHER
BRECHBUHLER SCALES

APPENDIX E
STORMWATER CONSTRUCTION SITE INSPECTION REPORTS

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Stormwater Construction Site Inspection Report

General Information			
Project Name	Building 1200 + ATA RA		
NPDES Tracking No.	1	Location	ATA ADU
Date of Inspection	11/17/14	Start/End Time	1510
Inspector's Name(s)	Rich Spinnel		
Inspector's Title(s)	Env. Engineer/Construction Manager		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	Site Prep & Excavation		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A			
If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input checked="" type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 32°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence around Excavation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed today (11/17/14), 2 sides
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS 11/17/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	N/A
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	N/A
11	Are non-stormwater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll off box covered
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll off Box covered.
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATARA		
NPDES Tracking No.	2	Location	ATA ADC
Date of Inspection	11/18/14	Start/End Time	1620-1625
Inspector's Name(s)	Rick Sprinzel		
Inspector's Title(s)	Environmental Engineer/FM		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	ATA Excavation		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 20°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence - W/S Wall <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed 11/18/14
2	Straw Bale in Ditch <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed 11/19/14
3	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Roll off Boxes Covered/Lined
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Rolloff Boxes covered + Liner ↓
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	RVAAP B1200/ATA RA		
NPDES Tracking No.	3	Location	B1200/ATA AOCs
Date of Inspection	11/19/14	Start/End Time	0816/1730
Inspector's Name(s)	Rich Sprinzel		
Inspector's Title(s)	Env Engineer/EM		
Inspector's Contact Information	338-348-1378		
Describe present phase of construction	ATA-post excavation B1200-excitation		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:	Storm Duration (hrs):	Approximate Amount of Precipitation (in):	
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
Other:		Temperature: 15-20°	
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11/17/14
2	ATA Straw Bale Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11/18/14
3	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed 11/19/14 - South end of Ditch
4	B1200 Hay Bale Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed 11/19/14 - North end of Ditch
5	B1200 Hay Bale Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Installed 11/19/14 around stockpile
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll offs covered/lined Stockpiles/open excavation covered
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Stockpiles covered, Hay Bale Berm Roll offs covered/lined
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll offs covered/lined Stockpiles covered
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	21AAP B1200/ATA RA		
NPDES Tracking No.	4	Location	B1200/ATA AOCs
Date of Inspection	11/20/14	Start/End Time	1215/1315
Inspector's Name(s)	Rich Sprunzel		
Inspector's Title(s)	Env Engineer		
Inspector's Contact Information	330 348-1378		
Describe present phase of construction	Excavation		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 25°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Bale Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	South of Ditch, extension added today
4	B1200 Hay Bale Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	End of Ditch
5	B1200 Hay Bale Ber-m	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B1200 stockpile
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll offs e B1036 -covered/lined -Stockpile covered
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Straw bale berm
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	RVAAP B1200/ATA RA		
NPDES Tracking No.	5	Location	B1200/ATA ADCS
Date of Inspection	11/21/14	Start/End Time	1518 / 1045
Inspector's Name(s)	Rich Sprinzel		
Inspector's Title(s)	Env Eng		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	Excavation/Landout		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
		~1" snow overnight	
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
Other:		Temperature: 26	
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- *Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.*
- *Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.*

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Extension added today
2	ATA Straw Bale Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	South end of Ditch
4	B1200 Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	North end of Ditch
5	B1200 Straw Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B1200 Stockpile
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS 11/21/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Excavations/Rolloffs/Stockpiles covered
11	Are non-stormwater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	6	Location	B1200/ATA A0 C5
Date of Inspection	11/24/14	Start/End Time	12:00 / 7:45
Inspector's Name(s)	Rich Sprinzel		
Inspector's Title(s)	Env Eng		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	Excavation/Load out		
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 11/22 ~ 0.09" Storm Duration (hrs): 11/23 ~ 0.22" Approximate Amount of Precipitation (in): ~0.31"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 60°			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: Some water on top of plastic RA ditch overflowed south end and through silt fence			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Bale Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	South end of ditch
4	B1200 Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N end of Ditch
5	B1200 Straw Berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Replaced w/ silt fence due to unfrozen conditions
6	B1200 Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Added 11/24/14 (North of Open Area)
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS 11/24/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ds
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll offs covered Excavations covered.
11	Are non-stormwater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll offs covered/lined
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA/RA		
NPDES Tracking No.	7	Location	B1200/ATA
Date of Inspection	11/25/14	Start/End Time	1250-1345
Inspector's Name(s)	Rich Sprinzl		
Inspector's Title(s)	Env Eng		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	Post-Excavation		
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 11/29/14 - trace Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 38			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	ATA Straw bale check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	B1200 Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	S end of Ditch
4	B1200 Straw check dam	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N end of Ditch
5	B1200 Straw berm Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	(formerly straw berm)
6	B1200 Straw Check dam	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N of open Area
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS 11/25/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Excavations covered Rolloffs covered
11	Are non-stormwater	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Rolloffs @ B1036 covered
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	8	Location	B1200/ATA
Date of Inspection	12/01/14	Start/End Time	0815-0845
Inspector's Name(s)	Jed Thomas		
Inspector's Title(s)	Env Engineer		
Inspector's Contact Information	330-405-5802		
Describe present phase of construction	Post Excavation		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 11/21/14 12:00 Storm Duration (hrs): ~1 hr Approximate Amount of Precipitation (in): 0.02 in			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 31°F			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA straw bale check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	South of ditch
4	B1200 straw check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N end of ditch
5	B1200 silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Open area
6	B1200 straw check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	North of Open area
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	NA
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	NA
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	NA
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			NA
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	NA
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roll off boxes covered
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	NA

Non-Compliance

Describe any incidents of non-compliance not described above:

NA

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	BIZB/ATA RA		
NPDES Tracking No.	9	Location	BIZB/ATA AOC
Date of Inspection	12/8/14	Start/End Time	0920 - 0950
Inspector's Name(s)	CAREY PACEA		
Inspector's Title(s)	ENVIRONMENTAL ENGINEER		
Inspector's Contact Information	330-405-5811		
Describe present phase of construction	EXCAVATION - PHASE II		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 35°F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A end of ditch line If yes, describe: Rain water on top of plastic @ BIZB open area pumped through strawbales/silt fence			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	ATA straw bale check	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	BIZB silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	South of ditch
4	BIZB straw bale check	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North end of ditch
5	BIZB silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Open area
6	BIZB straw check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North of open area
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CAP	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?	N/A	N/A	N/A
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	stockpile covered w/plastic and secured. Surrounded by straw bales.
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	stockpile on plastic with 1ft excavation covered with plastic and secured.
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
		N/A	N/A	N/A

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

C. Pacer
Prepared By

12/8/14
Date

RS
Reviewed By

12/12/14
Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1266 / ATA RA		
NPDES Tracking No.	16	Location	B1266 / ATA AOCs
Date of Inspection	12/9/14	Start/End Time	8:30 to 8:45
Inspector's Name(s)	Corey Pacer		
Inspector's Title(s)	Env. Engineer		
Inspector's Contact Information	330-553-6153		
Describe present phase of construction	EXCAVATION - PHASE II		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 40°F 1 Rain water on top of plastic at B1266 & ditch.			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: SAME AS ABOVE.			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA strawbale check	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1266 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	South of ditch
4	B1266 strawbale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	North end of ditch
5	B1266 silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	open area
6	B1266 strawbale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	North of open area
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?	N/A	N/A	N/A
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	stock pile covered w/plastic and secured Surrounded by straw bales.
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stock pile on plastic with 1 ft excavation w/plastic & secured
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

C. Pan

Date

12/9/14

Reviewed By

RS [signature]

Date

12/12/14

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	11	Location	B1200/ATA AOCs
Date of Inspection	12/10/14	Start/End Time	07 1100 - 1245
Inspector's Name(s)	Corey Pacer		
Inspector's Title(s)	ENVIRONMENTAL ENGINEER		
Inspector's Contact Information	330-353-6153		
Describe present phase of construction	EXCAVATION - PHASE II - WASTE HAULING		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 32°F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: RAIN WATER ON TOP OF PLASTIC ^{CAT} AT B1200 OPEN AREA.			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Bale Check	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	B1200 Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	South of Ditch
4	B1200 Straw Bale	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North end of Ditch
5	B1200 Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Open Area
6	B1200 Straw Bale	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North of Open Area
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?	N/A	N/A	N/A
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	no spoils. Waste off-site
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A. All wastes off site
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

C. Pan

Date

12/10/14

Reviewed By

RS Pan

Date

12/12/14

Stormwater Construction Site Inspection Report

General Information			
Project Name	BIZB/ATA LA		
NPDES Tracking No.	12	Location	BIZB/ATA AOCs
Date of Inspection	12/11/14	Start/End Time	0900 - 0930
Inspector's Name(s)	COREY PACER		
Inspector's Title(s)	ENV ENGINEER		
Inspector's Contact Information	330-353-6153		
Describe present phase of construction	EXCAVATION - PHASE II BACKFILL OF APPROVED AREAS		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 28°F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: ~ 100 gallons at ATA through storm controls			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	ATA Straw bales	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	BIZB Silt fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4	BIZB Straw bale	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5	BIZB Silt fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6	BIZB Straw bales	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A waste off site
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?	N/A	N/A	N/A
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	No stockpiles wastes off-site
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A. Wastes off-site
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	Wastes off-site

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	13	Location	B1200/ATA AOCs
Date of Inspection	12/12/14	Start/End Time	1050-1200
Inspector's Name(s)	Rich Sprinzel		
Inspector's Title(s)	Env Engineer		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	SITE RESTORATION		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 31°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: Some water in corner of ATA Excavation - removed through silt fence			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA-Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA-Straw Check Dam	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	B1200 Ditch Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	B1200 Ditch Straw Dam	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	B1200 Open Area Silt Fence	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	B1200 Open Area Straw	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RSpr 12/12/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A

RS m 8/12/14

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A - wastes offsite
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	↓
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	14	Location	B1200/ATA AOCs
Date of Inspection	12/10/14	Start/End Time	0938-1030
Inspector's Name(s)	Rich Sprinzl		
Inspector's Title(s)	Env Engineer		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	POST-RESTORATION (ATA/B1200 Open Area) POST-EXCAVATION (B1200 DITCH)		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
12/16/14 ~ 0.20"			
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input checked="" type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
Other:		Temperature: 28°	
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	B1200 Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	B1200 Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Need to Extend during Remob
6	B1200 Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RSprnzl 12/18/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A - all wastes offsite
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	15	Location	B1200/ATA AOC5
Date of Inspection	12/22/14	Start/End Time	0750 / 0830, 1525
Inspector's Name(s)	Rich Sprinzel-Leidos		
Inspector's Title(s)	Environmental Engineer		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	ATA-POST-RESTORATION B1200-ADDITIONAL EXCAVATION		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:	Storm Duration (hrs):	Approximate Amount of Precipitation (in):	
Weather at time of this inspection?			
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other: Temperature: 20°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe: SUB PUMPING WATER OFF PLASTIC AT B1200 DITCH THROUGH SILT FENCE/STRAW ~1250 gal AND NEARBY RUTS 12/22/14			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Silt Fence - Ditch	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	S.E. extended Pastured 12/22/14 (RS)
4	B1200 Straw Dam - Ditch	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	B1200 Silt Fence - Open Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	B1200 Straw Dam - Open Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RSmyl 12/22/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

RS mg 12/22/14

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			Pumped/Dewatered through silt fence/straw bale check dam
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	Are wastes properly stored with no risk of discharge?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	16	Location	B1200/ATA AOCs
Date of Inspection	12/23/14	Start/End Time	1:05
Inspector's Name(s)	Rich Spinnel		
Inspector's Title(s)	Env Engineer / PE		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	POST EXCAVATION / RESTORATION		
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 12/23/14 ~ 0.03" (overnight) Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: ON/OFF SPRINKLE Temperature: 45°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Straw Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	B1200 Ditch-Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	B1200 Ditch-Straw	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	B1200 Open Area-Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	B1200 Open Area-Straw	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

12/23/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	

RS 12/23/14

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	waste s/p removed today ↓
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	17	Location	B1200/ATA AOCs
Date of Inspection	12/30/14	Start/End Time	1220 (ATA) / 1145 (B1200)
Inspector's Name(s)	Rick Sprinzel		
Inspector's Title(s)	Env Engineer/PE		
Inspector's Contact Information	330-348-1578		
Describe present phase of construction	ATA - Post-Restoration B1200 - Post-Excavation		
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
12/24/14 ~ 0.16" rain		12/27/14 ~ 0.03" rain, 12/28/14 ~ 0.28"	
Weather at time of this inspection?			
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other: Temperature: 30°			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe: Some B1200 Ditch water may have overPlowed top of plastic prior to passing through Silt fence			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Storm Check Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Ditch Silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	B1200 Ditch Storm Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	B1200 Ditch Area Silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	B1200 Ditch Area Storm Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS 12/30/14

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No X	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Ditch covered w/poly
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A

RS 12/30/14

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	All wastes offsite
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	All wastes offsite.
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	18	Location	B1200/ATA AOCs
Date of Inspection	1/5/15	Start/End Time	1505-1625
Inspector's Name(s)	Rich Sprinzel		
Inspector's Title(s)	ENV ENGINEER		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	POST-RESTORATION (ATA) POST-PHASE III EXCAVATION/RESTORATION (B1200)		
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:		Storm Duration (hrs):	Approximate Amount of Precipitation (in):
1/3/15 ~ 0.90"		1/4/14 ~ 0.25"	
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Showing <input type="checkbox"/> High Winds			
Other:		Temperature: 150	
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe: B1200 DITCH OVERFLOWING (TO TOP OF PLASTIC) TO SILT FENCE			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1 A-TA SILT FENCE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2 ATA STRAW CHECK DAM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3 B1200 Open Area Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	South of Ditch
4 B1200 Open Area Straw Bale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North End of Ditch
5 B1200 Open Area Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Open Area
6 B1200 Straw Bales	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	North of Open Area
7	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RSprnzl 1/5/15

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A - waste offsite.
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A

RSprng 1/5/15

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?	N/A	N/A	N/A
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	No stockpiles on site.
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A. Waste offsite
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B12006/ATA RA		
NPDES Tracking No.	19	Location	B12006/ATA ADCS
Date of Inspection	1/7/15	Start/End Time	0915/1050
Inspector's Name(s)	Rich Sprindl		
Inspector's Title(s)	Env Engineer/PE		
Inspector's Contact Information	330-348-1378		
Describe present phase of construction	ATA-POST-RESTORATION B12006-RESTORATION		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in): SNOW OVERNIGHT ~1-2"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input checked="" type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature: 11°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA Stream Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B12007 Ditch Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	B12000 Ditch Stream Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	B12000 Open Area Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	B12000 Open Area Stream Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RS mfl 1/7/15

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	None



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	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	All waste offsite
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	↓
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

Stormwater Construction Site Inspection Report

General Information			
Project Name	B1200/ATA RA		
NPDES Tracking No.	20	Location	B1200/ATA AOCs
Date of Inspection	1/9/15	Start/End Time	1045/1438
Inspector's Name(s)	Rich Sprinkel		
Inspector's Title(s)	Env Engineer		
Inspector's Contact Information	330-330-3484 318		
Describe present phase of construction	ATA Post-Restoration B1200-RESTORATION		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time:	Storm Duration (hrs):	Approximate Amount of Precipitation (in):	
~3" SNOW OVERNIGHT			
Weather at time of this inspection?			
<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input checked="" type="checkbox"/> Snowing <input type="checkbox"/> High Winds			
<input type="checkbox"/> Other: Temperature: 17°			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	ATA SILT FENCE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	ATA STRAW DAM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	B1200 Ditch Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	B1200 Ditch Straw Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	REMOVED AFTER BACKFILLING DITCH TODAY
5	B1200 Downstream Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	B1200 Upstream Straw Dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

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Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HAUL ROAD REGRADED + STRAWED
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	
11	Are non-stormwater	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	N/A

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	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	discharges (e.g., wash water, dewatering) properly controlled?			
12	Are spoil piles stabilized with vegetations and/or contained by silt fence or other appropriate and required controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	All wastes offsite.
13	Are wastes properly stored with no risk of discharge?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A	↓
14	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

N/A

Prepared By

Date

Reviewed By

Date

APPENDIX F
RELEASE OF RAIN WATER FORM FROM SECONDARY
CONTAINMENT FORMS

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RELEASE OF RAIN WATER FROM SECONDARY CONTAINMENT

1. Date: 12/11/04
2. Building/Reference Number and Site Location: ATA AOC AND BIZOU AOC OPEN AREA

3. What is the water level height (in inches) inside the containment area? 24" / 46"
4. Is a hydrocarbon (POL) sheen noted on the surface of the water? Yes / ☒ No
5. Is a hydrocarbon (POL) odor noted for the water? Yes / ☒ No
6. If hydrocarbons (POL) present, what action was taken to remove the hydrocarbons prior to releasing the water (or was the water removed for off-site treatment and disposal)?
N/A

7. What was the approximate volume of water released from the containment (gallons or cubic feet)?
ATA ~300 gallons
BIZOU OPEN AREA ~500 gallons

8. Following the release of the water, was the valve locked in the closed position and functioning (or drain plug screwed in)? Yes / No / ☒ N/A
9. Note any deficiencies and action taken to have them corrected, including notification to Camp Ravenna Range Control (614-336-6041) and Environmental (6568) if POL was released to the environment.
N/A, WATER DISCHARGED THROUGH SILT FENCE AND/OR STRAW BALES PRIOR TO
WOODS, WATER WAS ON TOP OF PLASTIC

10. Person(s) who completed this form: COREY FARRERLEIDUS
Phone: 330-353-6153

RELEASE OF RAIN WATER FROM SECONDARY CONTAINMENT

1. Date: 12/12/14
2. Building/Reference Number and Site Location: ATA AOC

3. What is the water level height (in inches) inside the containment area? 23"
4. Is a hydrocarbon (POL) sheen noted on the surface of the water? Yes ☒ No
5. Is a hydrocarbon (POL) odor noted for the water? Yes ☒ No
6. If hydrocarbons (POL) present, what action was taken to remove the hydrocarbons prior to releasing the water (or was the water removed for off-site treatment and disposal)?
N/A

7. What was the approximate volume of water released from the containment (gallons or cubic feet)?
~25 gallons

8. Following the release of the water, was the valve locked in the closed position and functioning (or drain plug screwed in)? Yes / No ☒ N/A
9. Note any deficiencies and action taken to have them corrected, including notification to Camp Ravenna Range Control (614-336-6041) and Environmental (6568) if POL was released to the environment.
N/A, WATER DISCHARGED THROUGH STRAWBALE CHECK DAM PRIOR
TO WOODS.

10. Person(s) who completed this form: RICH SPRINZL, LEIDOS FM
Phone: 330-348-1378

APPENDIX G
PROPERTY MANAGEMENT PLAN INSERTION

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A.48.1 Background

Although operational information is relatively limited about this former research and development area used by the Firestone Tire and Rubber Company Defense Research Division, it is believed that Anchor Test Area was used for testing explosives-driven soil anchoring devices. These devices typically consisted of metal rods driven into the ground and attached via a cable to stabilize structures or anchor them to the ground. The dates this Area of Concern (AOC) was used are unknown; however, a 1961 drawing shows the final design for the AOC; therefore, it is likely it was not active until after the early 1960s. Aerial photographs from 1966 confirm the construction of AOC features, but it is unknown whether Anchor Test Area was active at the time of the photographs.

A.48.2 Publications

The following publications can be located on <www.RVAAP.org> or in established Ravenna Army Ammunition Plant (RVAAP) information repositories:

- Final Remedial Action Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area, April 2015.
- Final Remedial Design for Soil, Sediment, and Surface Water at RVAAP-13 Building 1200 and RVAAP-48 Anchor Test Area, August 2014.
- Final Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area, March 2014.
- Final Proposed Plan for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area, May 2013.
- Final Remedial Investigation/Feasibility Study Report for Soil, Sediment, and Surface Water at the RVAAP-48 Anchor Test Area, Ravenna Army Ammunition Plant, Ravenna, Ohio, January 2012.
- Final PBA 2008 Supplemental Investigation Sampling and Analysis Plan Addendum No. 1 at Ravenna Army Ammunition Plant, December 2009.
- Final Work Plan Performance-Based Acquisition for Environmental Investigation and Remediation MEC Avoidance/Removal Services, September 2009.
- Final Project Management Plan for the 2008 Performance-Based Acquisition of Environmental Investigation and Remediation, December 2008.
- Final Quality Assurance Surveillance Plan for the 2008 Performance-Based Acquisition of Environmental Investigation and Remediation at Ravenna Army Ammunition Plant, September 2008.
- Final Characterization of 14 AOCs at Ravenna Army Ammunition Plant, March 2007.
- Final Sampling and Analysis Plan Addendum for the Characterization of 14 RVAAP AOCs, October 2004.

- Hazardous and Medical Waste Study No. 37-EF-5360-99 Relative Risk Site Evaluation for Newly Added Sites, October 1998.

A.48.3 Site Location and Description

Anchor Test Area is approximately 0.5 acres and is located approximately 50-75 ft west of Wilcox-Wayland Road and 2,500 ft south of Newton Falls Road (Figures 2-2 and 2-3). The distinct surface features of the AOC are the former earthen blast wall (dirt mounds) and a nearby 12 by 36 ft sandpit. The anchor tests were likely performed within the sandpit. The adjacent dirt mounds functioned as blast walls. One mound is approximately 8-10 ft high while the others are only 1-2 ft high. The dirt mounds are still observable, although the mounds are overgrown with vegetation and small trees. The sandpit is no longer visually distinct due to vegetative growth. Metal debris is visible in the area, and a section of concrete culvert can be seen in one of the dirt mounds.

The immediate vicinity is heavily forested with the exception of the large wetland approximately 500 ft to the south. No perennial surface water or drainage conveyance features are present at the AOC. Sediment and surface water are not considered media of concern at Anchor Test Area. Surface water occurs only intermittently as overland storm water runoff associated with heavy rainfall events and generally flows towards the wetland located 500 ft to the south. The wetland is drained to the south by an unnamed stream which enters the west branch of the Mahoning River.

Anchor Test Area is located on the southern edge of a small topographic high isolated from other former operational areas at an elevation of approximately 1004 ft above mean sea level (amsl). From this topographic high, the elevation gently slopes downward towards the south and west to approximately 998 ft amsl.

A.48.4 Land Use and Activities

The AOC will be used for Military Training. The selected and implemented remedy for soil allows for Unrestricted (Residential) Land Use, which also allows for Military Training Land Use.

A.48.5 Remedy Objectives

The *Record of Decision for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2014) documented that sediment and surface water are not present at the AOC. Arsenic in soil was identified as a chemical of concern (COC) requiring remediation to attain Unrestricted (Residential) Land Use. Remedial activities were conducted in November 2014 and were summarized in the *Remedial Action Report for Soil, Sediment, and Surface Water at RVAAP-48 Anchor Test Area* (USACE 2015). A total of 45 tons of contaminated soil was excavated from within the AOC and transported and disposed at a local landfill. Confirmation sampling results and concurrence from the Ohio Environmental Protection Agency (Ohio EPA) concluded that the AOC met the criteria for Unrestricted (Residential) Land Use after implementing the remedial action.

A.48.6 Land Use Controls

Land use controls (LUCs) are not required for soil, sediment, or surface water. The remedial action achieved the remedial action objective (RAO) for arsenic in soil to attain Unrestricted (Residential) Land Use. Sediment and surface water are not present at Anchor Test Area. Other media (i.e., groundwater) will be addressed as part of future actions.

A.48.7 Monitoring and Reporting

Five-year reviews are not required for soil, sediment, and surface water at Anchor Test Area, which is compliant with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121(c).

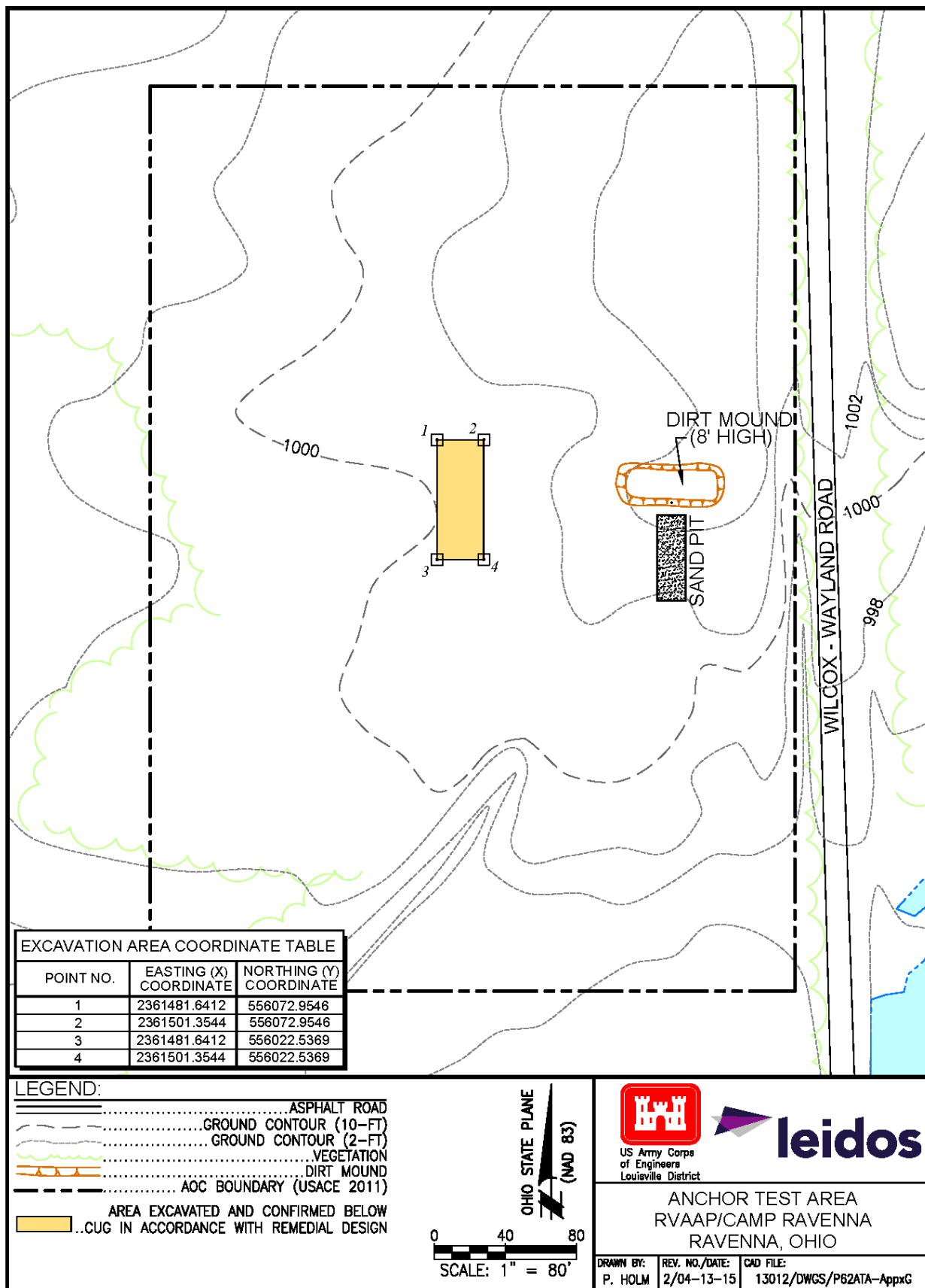


Figure A.48-1. Features of Anchor Test Area