

Final

**Remedial Action Report
for the RVAAP-12 Load Line 12**

**Ravenna Army Ammunition Plant
Ravenna, Ohio**

**GSA Contract No. GS-10F-0076J
Delivery Order No. W912QR-05-F-0033**

Prepared for:



**US Army Corps
of Engineers®**

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

Prepared by:



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

August 9, 2010

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14. ABSTRACT This Remedial Action Report provides documentation that the remedial action objectives and cleanup goals were achieved in accordance with the Remedial Design for the RVAAP-12 Load Line 12 at the Ravenna Army Ammunition Plant. Additionally, this report summarizes the field activities performed; presents field changes that were proposed, approved, and implemented; and describes the current condition of the construction and removal area.					
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for the RVAAP-12 Load Line 12
Volume One - Main Report
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Ravenna Army Ammunition Plant
Ravenna, Ohio

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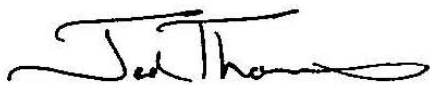
Prepared for:
U.S. Army Corps of Engineers
600 Martin Luther King, Jr. Place
Louisville, Kentucky 40202

Prepared by:
SAIC Engineering of Ohio, Inc.
8866 Commons Boulevard, Suite 201
Twinsburg, Ohio 44087

August 9, 2010

CONTRACTOR STATEMENT OF INDEPENDENT TECHNICAL REVIEW

Science Applications International Corporation (SAIC) has completed the Final Remedial Action Report for the RVAAP-12 Load Line 12 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 USACE policy.



Jed Thomas, P.E.
Study/Design Team Leader

8/6/10
Date



Tia Rutledge
Independent Technical Review Team Leader

6 Aug 10
Date

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

Internal SAIC Independent Technical Review comments are recorded on a Document Review Record per SAIC 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.



Tad Fox
Principal w/ A-E firm

8/6/2010
Date

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for the RVAAP-12 Load Line 12
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NGB = National Guard Bureau

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Ohio EPA-NEDO = Ohio Environmental Protection Agency-Northeast District Office

REIMS = Ravenna Environmental Information Management System

RVAAP = Ravenna Army Ammunition Plant

SAIC = Science Applications International Corporation

USACE = United States Army Corps of Engineers

USAEC = United States Army Environmental Command

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Appendix C.	Field Change Request Forms
Appendix D.	Waste Manifests

ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
ARAR	Applicable and Relevant or Appropriate Requirement
bgs	Below Ground Surface
BRACD	Base Realignment and Closure Division
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Chemical of Concern
CUG	Cleanup Goal
DFFO	Director's Final Findings and Orders
DoD	Department of Defense
EPC	Exposure Point Concentration
FS	Feasibility Study
GSA	United States General Services Administration
IRP	Installation Restoration Program
MEC	Munitions and Explosives of Concern
MI	Multi-Increment
MRS	Munitions Response Site
NGB	National Guard Bureau
NPDES	National Pollutant Discharge Elimination System
NWP	Nationwide Permit
O&M	Operations and Maintenance
OHARNG	Ohio Army National Guard
Ohio EPA	Ohio Environmental Protection Agency
OHPO	Ohio Historic Preservation Office
PBA	Performance-Based Acquisition
PBC	Performance-Based Contract
RAO	Remedial Action Objective
RAR	Remedial Action Report
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
RVAAP	Ravenna Army Ammunition Plant
SAIC	Science Applications International Corporation
SSHO	Site Safety and Health Officer
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USFWS	United States Fish and Wildlife Service
UXO	Unexploded Ordnance

1.0 INTRODUCTION

Science Applications International Corporation (SAIC) has been contracted by the U.S. Army Corps of Engineers (USACE), Louisville District, to provide environmental services in support of six high priority areas of concern (AOCs) at the Ravenna Army Ammunition Plant (RVAAP) in Ravenna, Ohio. This Remedial Action Report (RAR) describes the field activities and documents attainment of the remedial action cleanup goals (CUGs) for soil and dry sediment at Load Line 12.

This work is being performed under a Performance-Based Acquisition (PBA) [formerly termed Performance-Based Contract (PBC)] in accordance with U.S. General Services Administration (GSA) Environmental Advisory Services Contract GS-10-F-0076J. 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* (DFFO) for RVAAP, dated June 10, 2004 (Ohio EPA 2004).

1.1 PURPOSE

The purpose of this RAR is to document 1) the fulfillment of the selected remedy for soil and dry sediment at Load Line 12, and 2) the achievement of the remedial action objective (RAO) as stated in the *Record of Decision (ROD) for Soil and Dry Sediment at the RVAAP-12 Load Line 12* (USACE 2009a). The RAO for Load Line 12 soil and dry sediment is to prevent National Guard Trainee exposure to contaminants in soil and dry sediment that exceed the clean-up goals to a depth of 4 ft below ground surface (bgs). Achievement of this RAO requires removal of dry sediment within the Main Ditch aggregate, as the Main Ditch was identified as having a chemical of concern (COC) requiring remediation.

During the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process for Load Line 12, soil and sediment in the Main Ditch aggregate was considered to be “dry sediment.” Water periodically accumulates in the Main Ditch and this RAR notes that water existed in the Main Ditch during the remedial action; however, the media is still considered “dry sediment” per RVAAP definition due to the intermittent presence of water. Therefore, successful remediation of the Main Ditch fulfills the requirements of the ROD to achieve remedy that is protective of the National Guard Trainee for soil and dry sediment.

Fulfillment of this selected remedy was executed in accordance with the *Remedial Design for the RVAAP-12 Load Line 12* (USACE 2009b). This RAR summarizes all administrative and field activities performed as specified in the Load Line 12 Remedial Design (RD). The report also includes a presentation of the confirmation sampling scheme and analytical results which verify the achievement of soil and dry sediment CUGs for the anticipated future land use (National Guard Trainee) of Load Line 12.

1.2 REPORT ORGANIZATION

This RAR is organized as follows:

- Section 1: Introduction
- Section 2: Background Information
- Section 3: Project Organization
- Section 4: Construction Mobilization
- Section 5: Excavation and Sampling Activities
- Section 6: Site Restoration
- Section 7: Conclusions
- Section 8: References
- Appendices:
 - Appendix A: Permits, Notifications, and Approvals
 - A-1. United States Fish and Wildlife Service (USFWS) Concurrence Letter
 - A-2. Ohio Historic Preservation Office (OHPO) Concurrence Letter
 - A-3. Approval for Coverage under Ohio EPA General Permit OHC000003
 - A-4. Portage Soil and Water Conservation District Approval
 - A-5. USACE-Pittsburgh District Confirmation of Preconstruction Notification to Operate Under Nationwide Permit #38
 - A-6. Utility Clearance Communication Summary
 - A-7. Ohio EPA Approval of Backfill Source
 - Appendix B: Laboratory Analytical Results
 - Appendix C: Field Change Request Forms
 - Appendix D: Waste Manifests

2.0 BACKGROUND INFORMATION

This section describes the facility and AOC, discusses the previous investigations at Load Line 12, and presents the RAOs and remedial action CUGs.

2.1 GENERAL FACILITY DESCRIPTION

When the RVAAP Installation Restoration Program (IRP) began in 1989, RVAAP was identified as a 21,419-acre installation. The property boundary was resurveyed by Ohio Army National Guard (OHARNG) over a 2-year period (2002 and 2003) and the total acreage of the property was found to be 21,683.289 acres. As of February 2006, a total of 20,403 acres of the former 21,683-acre RVAAP was transferred to the National Guard Bureau (NGB) and was subsequently licensed to OHARNG for use as a military training site.

The current RVAAP consists of 1,280 acres scattered throughout the OHARNG Camp Ravenna Joint Military Training Center, herein referred to as Camp Ravenna. Camp Ravenna is in northeastern Ohio within Portage and Trumbull Counties, approximately 4.8 km (3 miles) east-northeast of the city of Ravenna and approximately 1.6 km (1 mile) northwest of the city of Newton Falls. The RVAAP portions of the property are solely located within Portage County. Camp Ravenna/RVAAP is a parcel of property approximately 17.7 km (11 miles) long and 5.6 km (3.5 miles) wide, bounded by State Route 5, the Michael J. Kirwan Reservoir, and the CSX System Railroad on the south; Garret, McCormick, and Berry roads on the west; the Norfolk Southern Railroad on the north; and State Route 534 on the east (Figures 2-1 and 2-2). Camp Ravenna is surrounded by several communities: Windham on the north; Garrettsville 9.6 km (6 miles) to the northwest; Newton Falls 1.6 km (1 mile) to the southeast; Charlestown to the southwest; and Wayland 4.8 km (3 miles) to the south.

When RVAAP was operational, Camp Ravenna did not exist and the entire 21,683-acre parcel was a government-owned, contractor-operated industrial facility. The RVAAP IRP encompasses investigation and cleanup of past activities over the entire 21,683 acres of the former RVAAP. References to RVAAP in this document are considered to be inclusive of the historical extent of RVAAP, which is inclusive of the combined acreages of the current Camp Ravenna and RVAAP, unless otherwise specifically stated.

2.2 LOAD LINE 12 DESCRIPTION AND HISTORY

Load Line 12 is approximately 80 acres in size and is located in the southeastern portion of RVAAP/Camp Ravenna. Elevations across Load Line 12 range from approximately 970 to 987 ft. Silty to clayey soil and glacial sediments overlie shale bedrock at Load Line 12, except where disturbed by RVAAP activities. The majority of soil at Load Line 12 was disturbed and re-graded during demolition activities that occurred between 1998 and 2000. Soil in the former production areas contains a mix of sandy fill, sand, ballast material, slag, and residual debris (e.g., metal, brick, and concrete). The Main Ditch aggregate bisects the central part of the AOC flows to the north, into

drainage ditches north of the AOC. The Main Ditch is heavily wooded. The Active Area Channel traverses Load Line 12 from west to east and intercepts the Main Ditch near the northern boundary of the AOC. Ultimately the drainage flows into Upper and Lower Cobbs Ponds, which is several hundred yards north of Load Line 12. However, in recent years a beaver colony has constructed dams north of Load Line 12. The dams prevent surface water drainage from the AOC, and stagnant water often resides within the Main Ditch and Active Area Channel. Site features are presented in Figure 2-3.

Load Line 12 was originally known as the Ammonium Nitrate Plant and began operations on November 25, 1941. Structures related to the production of the ammonium nitrate were the Neutral Liquor Building (Building FF-19) and seven evaporation/crystallization units (Buildings 900, 901, 902, 903, 904, 905, and 906). Other structures, such as Water Works No. 2 and Power House No. 3 (Building FE-17), housed support operations. The western half of Load Line 12 contained former production areas. The eastern half was previously cleared, but did not contain any known production facilities. The Remedial Investigations (RIs) identified an area (informally termed the Team Track Area) immediately north of Load Line 12 that was apparently used for the offloading and staging of materials used in Load Line 12 production activities.

In May 1943, production of ammonium nitrate was terminated. From 1946 to 1950, a private contractor leased Load Line 12 to produce fertilizer-grade ammonium nitrate. From 1965 to 1967, a private contractor leased Building FF-19 for the production of aluminum chloride. The U.S. Army terminated the lease early due to environmental concerns related to air emissions and wastewater discharges to Upper and Lower Cobbs Ponds.

In June 1944, Buildings 900, 904, and 905 were converted for demilitarization of munitions. Rinsate from demilitarization operations was initially allowed to flow out of the buildings and directly onto the ground or to drainage ditches. In 1981, the Load Line 12 Pink Water Treatment Plant was built to treat the demilitarization effluent prior to discharge. After the termination of demilitarization operations, the treatment plant was used under a National Pollutant Discharge Elimination System (NPDES) permit to treat explosives-tainted storm water from Load Line 12 and other RVAAP locations.

Currently, there are no above-grade structures remaining at Load Line 12. Demolition of Buildings 901, 902, 906, and FF-19 took place between 1973 and 1975. Building FN-54 (bagging and shipping facility) was demolished in the 1980s. In 1999, approximately 1,500 cubic feet of soil was removed from four pits near Building 904 and taken to a former warehouse at Load Line 4 as part of an explosives composting pilot study. Demolition of all remaining structures took place between 1998 and 2000. A former blast berm near Building 903 was removed and used as fill for areas around Buildings 903 and FE-17.

2.3 PREVIOUS INVESTIGATIONS AND ACTIVITIES

The following sections provide a summary of the previous investigations and activities performed to date at Load Line 12.

2.3.1 Relative Risk Site Evaluation

A relative risk site evaluation (RRSE) was performed by the U.S. Army Center for Health Promotion and Preventative Medicine (USACHPPM). The results of the RRSE (USACHPPM 1996) provided the U.S. Army with qualitative and quantitative data to score sites, which provided the U.S. Army with a basis for prioritizing cleanups and allocating funds. The scores can be “High,” “Medium,” or “Low.” The evaluation gave Load Line 12 a final score of “High.” Re-evaluation of the Load Line 12 risk ranking performed at the completion of the Phase I RI resulted in the AOC retaining its “High Risk” rating (USACE 1998).

2.3.2 Phase I/Phase II Remedial Investigation

The Phase I RI for Load Line 12 (USACE 1998) included sampling and analysis of surface soil (0-1 ft bgs), ditch sediment, and sediment from the Building 904 settling basin. The Phase I RI results indicated concentrations of explosives, inorganics, and organic compounds occurring in soil and dry sediment throughout the production area above risk-based screening values.

The Phase II RI for Load Line 12 (USACE 2004) characterized the nature and extent of contamination surface soil (0 to 1 ft bgs), subsurface soil (1 to 7 ft bgs), sediment, surface water, and groundwater, and assessed the potential risk to human health and the environment resulting from former operations at Load Line 12. Arsenic was identified as a COC in dry sediment in the Main Ditch for the National Guard Trainee at Load Line 12. Calculated risk from this metal is primarily associated with the very high dust loading factor and inhalation rate assumed for the National Guard Trainee.

Additional groundwater characterization was conducted in 2004 and is summarized in the *Phase II Remedial Investigation Supplemental Report for Load Line 12* (USACE 2005).

2.3.3 Feasibility Study

Preliminary CUGs for soil and dry sediment were developed in the *Feasibility Study for Load Line 12 (RVAAP-12)* (USACE 2006) to support the remedial alternative selection process for soil and dry sediment remediation at Load Line 12. Remedial alternatives were assembled for impacted soil and dry sediment at Load Line 12. The remedial alternatives were constructed by combining general response actions, technology types, and process options retained from the screening processes described in the Feasibility Study (FS). 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.

The analysis of chemical concentration data indicated there were no soil COCs or dry sediment COCs outside of the Main Ditch aggregate requiring remediation to achieve National Guard Trainee and Resident Subsistence Farmer land use standards. The only dry sediment COC that required remediation within the Main Ditch aggregate at Load Line 12 was arsenic. Consequently, the recommended remedial alternative for Load Line 12, as presented in the FS, was Alternative 3 - Excavation of Soil/Dry Sediment with Offsite Disposal ~ National Guard Trainee Land Use. This alternative addressed dry sediment in the Main Ditch at Load Line 12 that exceeded CUGs for the anticipated future land use (National Guard Trainee).

2.3.4 Community Involvement and Regulatory Approval

The *Proposed Plan for Soil and Dry Sediment at Load Line 12 (RVAAP-12)* (USACE 2007) was presented to the public on April 4, 2007, and a 30-day public comment period was conducted until May 3, 2007. On April 10, 2007, a public meeting was held in Newton Falls, Ohio presenting the recommended alternative. Comments were collected and incorporated into the ROD.

The *Record of Decision (ROD) for Soil and Dry Sediment at the RVAAP-12 Load Line 12* (USACE 2009a) documented the selected remedial action alternative (Alternative 3 - Excavation of Soil/Dry Sediment with Offsite Disposal ~ National Guard Trainee Land Use), RAO, and remedial action CUGs for soil and dry sediment at Load Line 12.

The ROD includes a Responsiveness Summary addressing public comments received during the public comment period and public meeting. The ROD was signed by the Branch Chief for the Base Realignment and Closure Division (BRACD) on August 20, 2009 and the Director of the Ohio EPA on October 13, 2009.

2.3.5 Remedial Action Objective and Remedial Action Cleanup Goal

As stated in the ROD, the RAO for Load Line 12 was to prevent National Guard Trainee exposure to contaminants in soil and dry sediment that exceed CUG to a depth of 4 ft bgs. The selected remedy addressed soil and dry sediment to a depth of 4 ft bgs because potential disturbance of soil to that depth is possible under the National Guard Trainee future land use.

There was no remedial action required for soil at Load Line 12. For dry sediment, arsenic required remediation within the Main Ditch aggregate. From previous investigations, the arsenic exposure point concentration (EPC) in the Main Ditch was 410 mg/kg, which exceeded the CUG for the National Guard Trainee (31 mg/kg). Based on the risk evaluation, remediation of dry sediment within the Main Ditch was required to achieve the National Guard Trainee future land use. Table 2-1 presents the CUG for Load Line 12.

Table 2-1. National Guard Trainee Cleanup Goal for Dry Sediment at Load Line 12

Chemical of Concern	Cleanup Goal (mg/kg)
Arsenic	31

-The dry sediment requiring remediation is within the Main Ditch aggregate.

2.3.6 Remedial Design

The *Remedial Design for the RVAAP-12 Load Line 12* (USACE 2009b) was developed to detail the implementation of the remedial action for dry sediment within the Main Ditch aggregate at Load Line 12 to achieve the RAO and CUGs. The RD presented the project organization, notification requirements, design drawings, and technical guidance and specifications. Additionally, the RD outlined the restoration specifications once contaminated dry sediment was removed. The RD was approved by the Ohio EPA on January 5, 2010.

As noted in Section 4.0 of the RD, soil and dry sediment remedial design sampling was conducted on May 4, 2009. This sampling had two purposes: 1) characterization for the purposes of waste profiling for disposal facility acceptance, and 2) confirm the final extent of soil and dry sediment containing arsenic above the CUG and requiring removal.

The waste profile sample results demonstrated that soil and dry sediment from the Main Ditch was nonhazardous waste. Arsenic concentrations for dry sediment within MI sample area L12-259M had a concentration of 21.1 mg/kg, which was below the CUG of 31 mg/kg. These results are shown in Section 4.0 and Figure 4-1 of the RD. Because the concentration of L12-298M was below the CUG, this MI sample area of the Main Ditch did not require sediment removal.

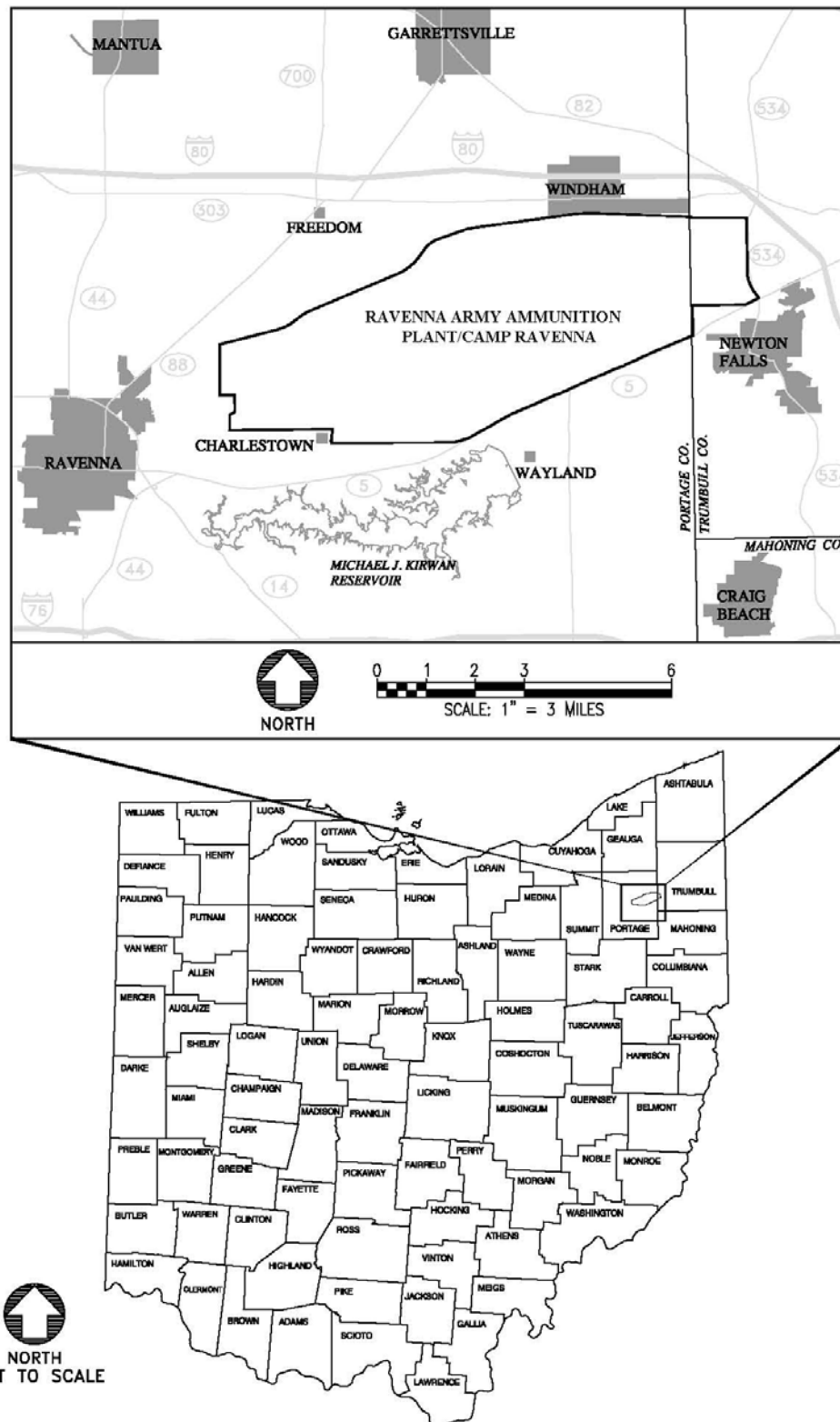


Figure 2-1. General Location and Orientation of RVAAP/Camp Ravenna

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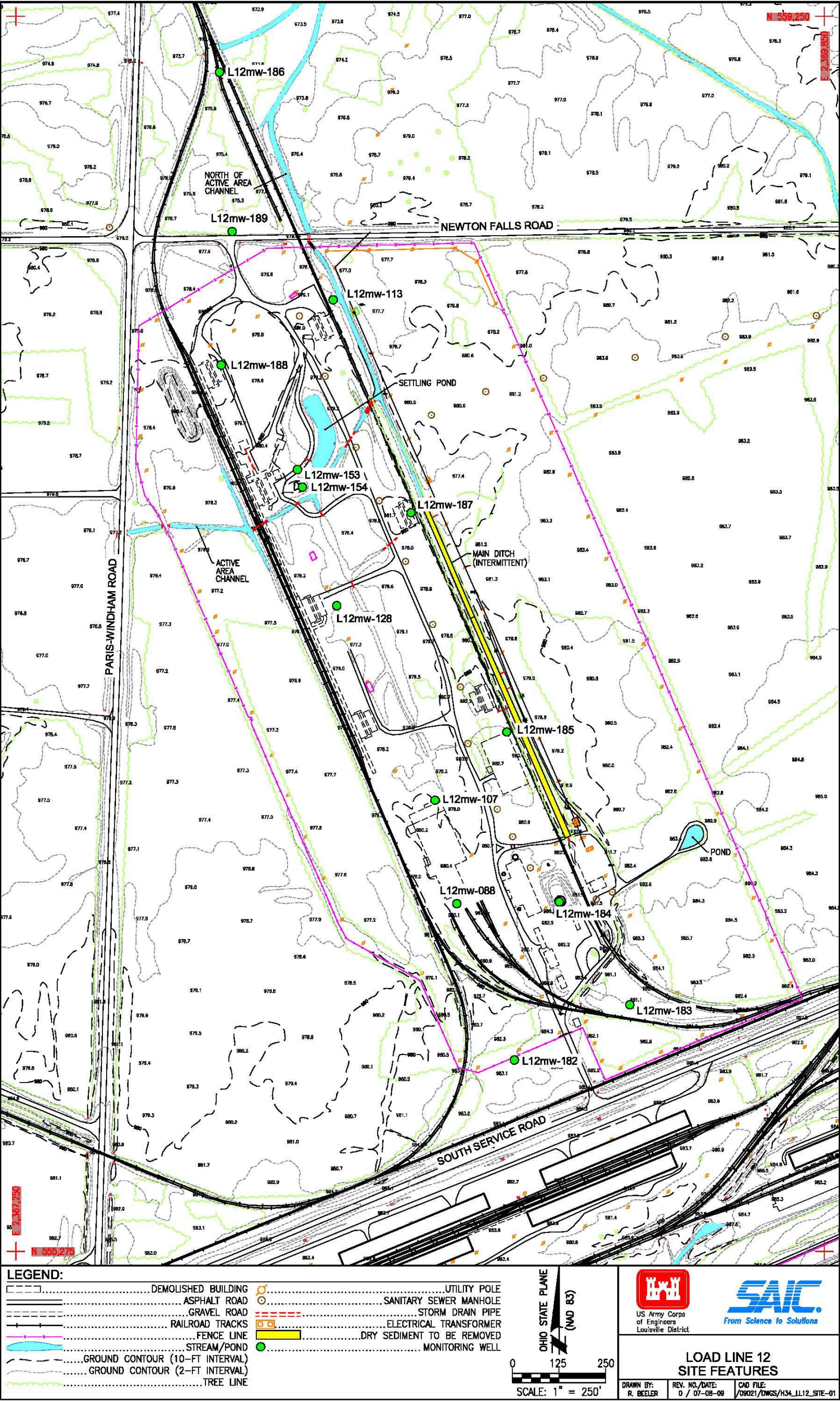


Figure 2-3. Load Line 12 Site Features

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3.0 PROJECT ORGANIZATION

Figure 3-1 presents the project organization chart for this remedial action. The U.S. Army was the lead entity and was responsible for the implementation of this remedial action. The 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. SAIC was the primary contractor responsible for implementing the RD, which included the following:

- 1) Selected and procured a qualified remedial subcontractor (Toltest, Inc.) to perform the work described herein;
- 2) Provided project management and construction oversight;
- 3) Coordinated transportation and disposal activities with RVAAP; and
- 4) Collected confirmation samples.

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

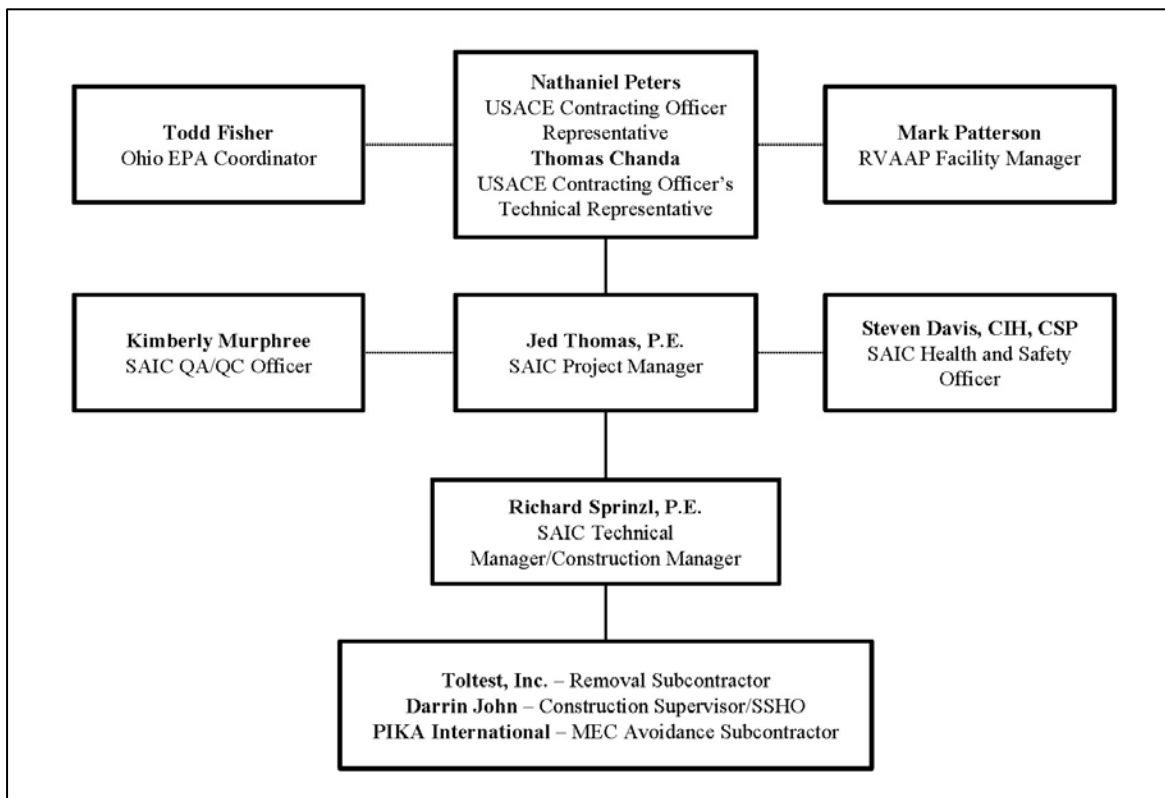


Figure 3-1. Project Organizational Chart

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4.0 CONSTRUCTION MOBILIZATION

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

4.1 PERMITS, NOTIFICATIONS, AND APPROVALS

Based on review of applicable requirements, the following permits, notifications, approvals, and/or concurrence letters were required for the remedial action:

- USFWS concurrence letter (received October 20, 2009);
- OHPO concurrence letter (received November 9, 2009);
- Portage County Soil and Water Conservation District concurrence letter (received January 7, 2010);
- Approval for coverage under the Ohio EPA NPDES Construction General Permit No. OHC000003; and
- USACE, Pittsburgh District authorization to perform this remedial action under Nationwide Permit (NWP) #38 (received November 16, 2009).

All signatory documentation (e.g., permits and manifests) were obtained through RVAAP or USACE representatives. The permits, notifications, and approvals are presented in Appendix A. No other federal, state, or municipal permits, notifications, or requirements were determined to be applicable for this remedial action.

The authorization to use NWP #38 is valid until July 10, 2011 and requires the completion of the Compliance Certification Form following the remedial activities. Once the site is restored and re-vegetated per Section 8.0 of the RD, SAIC will coordinate with appropriate U.S. Army representatives to complete and submit this form.

Ohio EPA was notified of the construction start date during a regularly scheduled bi-weekly teleconference on January 5, 2010. Throughout the project, all RVAAP Stakeholders were informed and updated regularly of activities performed and scheduled during bi-weekly teleconferences, monthly reports, and e-mail correspondences.

4.2 MOBILIZATION AND SITE PREPARATION

4.2.1 Utility Clearance

A meeting with the RVAAP Operations and Maintenance (O&M) Contractor (Vista Sciences Corporation) was conducted on December 22, 2009. During this meeting, the following items were discussed:

- 1) SAIC intends to excavate only the surface of the Main Ditch running through Load Line 12.
- 2) The overhead electrical lines paralleling the ditch (east side of the ditch) are active. SAIC and the Subcontractor will perform the following:
 - Inspect all utility poles to ensure active lines traveling down any utility pole do not go into the ground. If present, an underground line could be struck when excavation is in progress.
 - Assume that every electric line is energized until proven it is not.
 - Take caution when using an excavator and when felling trees.
- 3) RVAAP and OHARNG do not have plans for any existing subsurface phone lines at Load Line 12. Damaged lines do not require repair.
- 4) Mark Patterson noted that there is a potential to encounter pressurized waterlines. There were historical encounters of those water lines at approximately 3 to 4 feet bgs. SAIC will do the following:
 - Conduct a field reconnaissance to identify stick ups that may show where waterlines are located.
 - Slowly and cautiously conduct excavation activities to avoid damaging these waterlines.

Documentation of this conversation is presented in Appendix A.

4.2.2 Site Preparation

Site mobilization activities began on January 21, 2010. These activities included installation of storm water controls, installation of construction traffic signage, and placement of gravel for a construction entrance/exit, portable water storage tank area, and equipment movement area. Maintenance of the construction entrance/exit, equipment movement area, and storm water controls was performed throughout the project.

As part of the site preparation, a site survey was performed by the Munitions and Explosives of Concern (MEC) Avoidance Subcontractor. The Main Ditch is not within a munitions response site (MRS) boundary in the *Site Inspection Report for Munitions Response Sites under the Military Munitions Response Program* (E2M 2008). However, a U.S. Army and/or Department of Defense (DoD) certified unexploded ordnance (UXO) Technician II or UXO Technician III performed the site survey and remained on-site during excavation and/or intrusive activities. No MEC was encountered during remedial activities.

4.2.2.1 Site and Access Controls

Prior to implementation of the remedial action, SAIC submitted a roster of all personnel (including subcontractors) who would be working at Load Line 12 to the RVAAP O&M Contractor. The roster was maintained and submitted to the RVAAP O&M Contractor on a weekly basis or as necessary. The SAIC Construction Manager coordinated with RVAAP security to ensure Post 1 was notified of incoming deliveries or pickups. Signs were erected along the traffic route to expedite deliveries, maintain traffic flow, promote safety, and prevent interference with other RVAAP/Camp Ravenna operations (Photograph 4-1).

4.2.2.2 Rock Construction Entrance, Access Road Improvements, and Truck Turnaround Area

An equipment movement area and rock construction entrance was installed in accordance with specifications on Attachment C - Drawing C-4 of the RD and Field Change Request FCR-RVAAPLL12-002 to facilitate loading and movement of on-road haul trucks (Photograph 4-2). Adjustments to Attachment C - Drawing C-4 were made per FCR-RVAAPLL12-002 to use only the north entrance at Load Line 12 for traffic entrance and exit. The ground surfaces at the equipment movement area and rock construction entrance were leveled. Approximately 5 inches of 2-inch and 4-inch diameter stone were placed in the rock construction entrance. The entrance was monitored and soil was removed, or the stone layer was distributed to ensure the entrance would adequately remove soil from vehicles leaving the site.

In accordance with Field Change Request FCR-RVAAPLL12-002, a gravel layer of 1-inch and 2-inch diameter gravel was placed on the existing railroad bed for an access route. Additionally, a 75 ft by 100 ft truck turnaround area was constructed immediately west of the southern portion of the Main Ditch. The truck turnaround area was constructed with a stone base comprised of 2-inch to 4-inch diameter stone topped with 1-inch to 2-inch gravel.



Photograph 4-1. Construction Traffic Route Sign



Photograph 4-2. Installation of Equipment Movement Area

4.2.2.3 Vegetation Clearing

Clearing and grubbing was required to facilitate equipment access and perform the excavation of the dry sediment. The clearing and grubbing consisted mostly of brush removal along the ditch line. In accordance with Field Change Request FCR-RVAAPLL12-002, the Subcontractor removed as few trees as possible to perform the excavation. Most large trees did not require removal, as excavation activities were implemented around the trees. Photograph 4-3 shows brush and vegetation clearing using a skid steer with a mulcher and Photograph 4-4 shows the removal of small trees using a chainsaw. The cleared brush and trees were chipped and spread around the site.



Photograph 4-3. Brush Clearing Using a Skid Steer with Mulcher



Photograph 4-4. Small Tree Removal Using a Chainsaw

4.2.2.4 Storm Water Controls

In accordance with the RD, silt fencing (Photograph 4-5) was installed to prevent siltation from the construction area. Excavation areas were opened at the beginning of each day and covered at the end of each day's activities, where appropriate (Photograph 4-6).

The RD required containerization and characterization of any excavation water that collected in the Main Ditch. Excavation water was defined as water (e.g., rainwater, groundwater) that came in contact with any contaminated areas within the Main Ditch. A 20,000 gallon water storage tank with secondary containment was staged on-site to collect any potential excavation water. Due to the use of best management practices (e.g., covering the excavated area at night, using sawdust to absorb puddles of storm water), no excavation water required containerization during the remedial activities. The water storage tank was never used and was demobilized from the site once the CUG was achieved and confirmed by the laboratory.

All storm water controls were inspected daily during remedial activities and on a weekly basis during the periods of inactivity (e.g., downtime while confirmation samples were being analyzed). When the demobilization occurs, storm water controls will be inspected at least on a bi-weekly basis, or within 24 hours of a rain event (0.5 inches or greater) and every 24 hours during an extended rain event.



Photograph 4-5. Silt Fencing Parallel to Haul Road



Photograph 4-6. Plastic Cover of Main Ditch

4.2.2.5 Dust and Wind Controls

Dust control was generally maintained by keeping traffic on improved roads and maintaining the posted speed limit. Dust generation was monitored visually by the Site Safety and Health Officer (SSHO) (from Toltest, Inc.). Soil moisture content remained sufficiently high during the work such that the area did not require spraying/misting for dust control. Airborne dust was not observed during remedial action activities.

4.2.2.6 Good Housekeeping Practices

Good housekeeping practices were conducted in accordance with Section 5.5 of the RD throughout the remedial action to maintain a clean and orderly work environment. The SAIC Construction Manager regularly inspected the construction site for trash and debris. Identified trash or debris was disposed of accordingly.

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5.0 EXCAVATION AND SAMPLING ACTIVITIES

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

5.1 SEDIMENT REMOVAL ACTIVITIES

Due to inclement weather, sediment removal activities were postponed after site preparation activities. Sediment removal activities began on June 7, 2010 and were completed on June 18, 2010. During the dry sediment removal activities, a total of 1,212 tons of nonhazardous material was transported and disposed at the Waste Management American Landfill in Waynesburg, Ohio. Of the 1,212 tons of nonhazardous material, 1,181 tons consisted of contaminated sediment removed from the Main Ditch and an estimated 31 tons (175 cubic yards) consisted of inert absorbent material (sawdust) used to mix with the sediment during excavation and loading activities. The following sections describe the sediment removal activities in further detail.

5.1.1 Application of an Absorbent Material

At the onset of the remedial activities, the sediment in the Main Ditch was deemed too wet to readily transport and dispose. Consequently, an estimated 31 tons (175 cubic yards) of inert absorbent material (sawdust generated from untreated lumber) was obtained from an approved off-site source and mixed with the dry sediment. This process ensured excavated material would not release liquid while in transport and the material would pass the disposal facility's paint filter test. Photograph 5-1 shows the presence of intermittent standing water in the southernmost portion of the Main Ditch. Photograph 5-2 shows the mixing of sawdust with the dry sediment.



Photograph 5-1. Intermittent Standing Water at Southernmost Portion of Main Ditch



Photograph 5-2. Mixing of Absorbent Material in Main Ditch

5.1.2 Truck Loading and Transportation

All excavated material was loaded directly into haul trucks for transport to a licensed disposal facility. During the loading process, haul trucks were positioned over plastic sheeting to contain any contaminated dry sediment spilled during load-out. Prior to exiting the loading zone, the exterior of the trucks were inspected to ensure no contaminated dry sediment was present on the exterior of the truck bed. Any dry sediment on the exterior of the truck was brushed off and captured prior to the truck pulling out of the loading area. All trucks were covered prior to leaving the construction site. All nonhazardous material was transported to and disposed as nonhazardous waste in accordance with the waste profile at the Waste Management American Landfill in Waynesburg, Ohio. Photograph 5-3 shows the loading of contaminated sediment into a haul truck. Additionally, Photograph 5-4 shows the ditch line as the final removal is taking place and the ditch line is being shaped.



Photograph 5-3. Loading Excavated Material into Haul Trucks



Photograph 5-4. Final Removal of Contaminated Sediment and Shaping of the Ditch Line

5.1.3 Equipment Decontamination

Excavation equipment that contacted contaminated sediment was decontaminated prior to contacting other materials. Additionally, the excavation equipment was decontaminated prior to removal from the work site. Limited amounts of potable water (i.e., less than 30 gallons) was used for decontamination activities performed over haul trucks. Toltest, Inc. ensured free water was not present in the haul truck and that no liquids escaped the truck bed. Decontamination liquids did not change the chemical profile of the waste (i.e., addition of solvents or pH). The decontaminated equipment was air dried.

5.2 CONFIRMATION SAMPLING

At completion of the excavation activities, three confirmatory MI samples were collected from the excavation footprint and analyzed in accordance with Section 7.0 of the RD at locations L12-256M, L12-257M, and L12-258M. One field duplicate sample was collected at location L12-257M. The confirmation sample results showed the remedial activities attained the CUG for arsenic. Photograph

5-5 shows the sediment sampling activities at location L12-265M and Photograph 5-6 shows a stainless steel bowl containing the aliquots from one MI sample. All confirmation soil sampling results are presented in Appendix B.



Photograph 5-5. Multi-Increment Sample Collection in L12-256M



Photograph 5-6. Extracted Aliquots for Multi-Increment Sample

Samples L12sd-256M-0913-SD, L12sd-257M-0916-SD, L12sd-258M-0919-SD, and L12sd-257M-0922-FD (field duplicate) 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 National Guard Trainee CUG for Load Line 12 (31 mg/kg). The confirmation soil sample results are summarized in Table 5-1 and in Appendix B.

Table 5-1. Confirmation Sample Results

Multi-increment Sample Location	Sample ID	Arsenic Concentration		Lab Result below Cleanup Goal?	Notes
		Laboratory Result	Cleanup Goal		
L12-256M	L12sd-256M-0913-SD	20.7 mg/kg E	31 mg/kg	Yes	Matrix interference in lab result. Data is considered estimated but usable.
L12-257M	L12sd-257M-0916-SD	12.9 mg/kg	31 mg/kg	Yes	None
L12-257M	L12sd-257M-0922-FD	14.7 mg/kg	31 mg/kg	Yes	Duplicate sample of L12sd-257M-0916-SD
L12-258M	L12sd-258M-0919-SD	12.7 mg/kg	31 mg/kg	Yes	None

The laboratory results indicate arsenic concentrations are below the remedial action CUG for Load Line 12. Therefore, no additional removal was required. Figure 5-1 shows the plan and profile view of the excavated area at Load Line 12.

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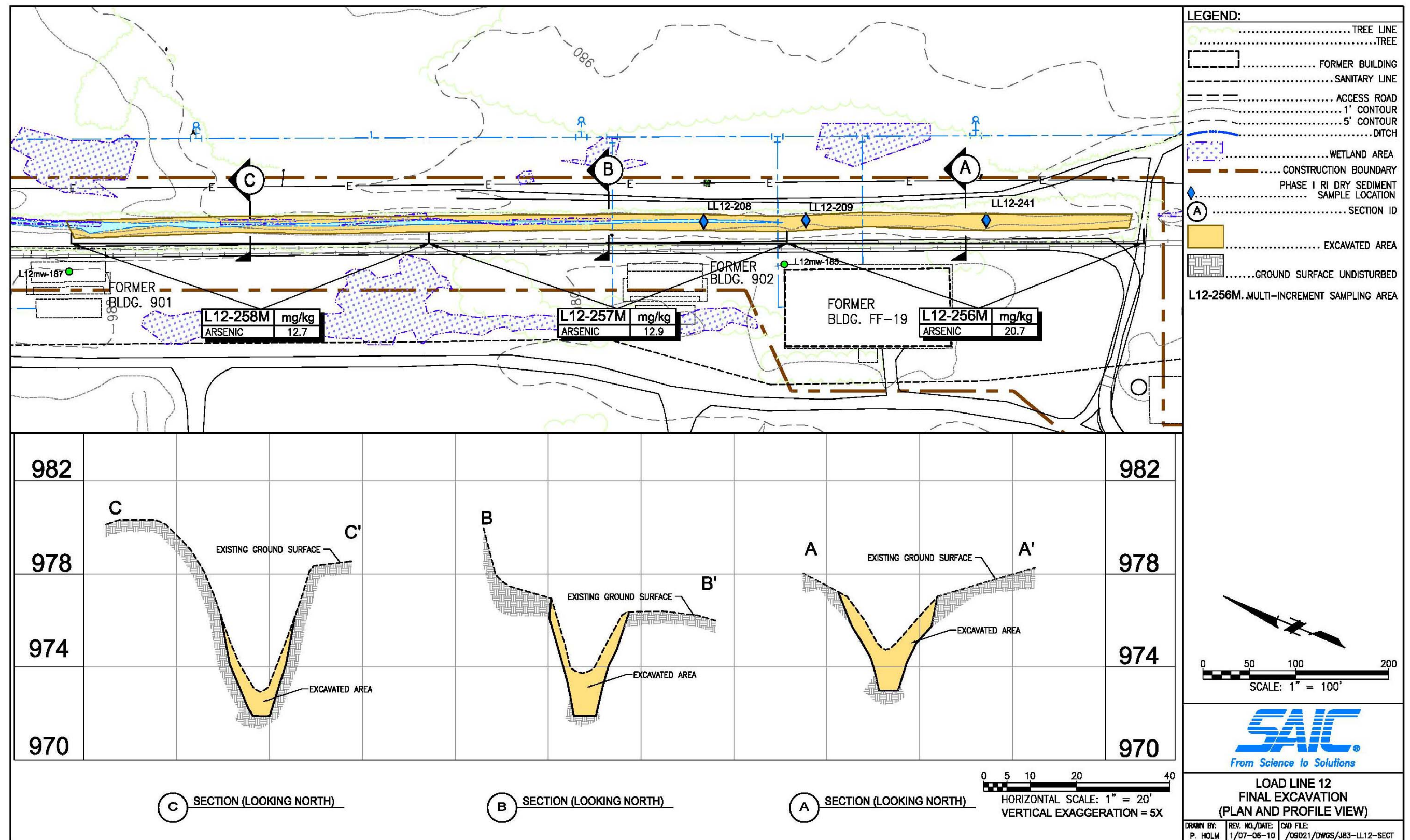


Figure 5-1. Load Line 12 Final Excavation (Plan and Profile View)

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6.0 SITE RESTORATION

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

6.1 BACKFILL SOURCE PILE

On October 9, 2009, a plot of land at Route 5 Sand and Gravel in Ravenna, Ohio for use as a backfill source was sampled and analyzed for the parameters specified in Table 8-1 of the RD. Results of the characterization sample were submitted to Ohio EPA to determine if the soil was suitable backfill material for remedial actions. This backfill source was used during the remedial action at the Fuze and Booster Quarry Landfill/Ponds. The analytical data and letter from Ohio EPA granting approval of this plot of land is found in the *Remedial Action Report for the Fuze and Booster Quarry Landfill/Ponds* (USACE 2010). A letter to Ohio EPA documenting approval of this soil source during the Load Line 12 remedial action is in Appendix A.

6.2 BACKFILLING OF THE MAIN DITCH

The excavation footprint of the Main Ditch at Load Line 12 was backfilled and graded to match the existing drainage pattern and neighboring and/or original elevations. During restoration, the side walls of the Main Ditch were sloped and an estimated 280 tons of backfill from the borrow source was incorporated to restore the grade and slope of the base of the ditch. The backfill material was graded and compacted. Placement of backfill in the Main Ditch is shown in Photograph 6-1.

Once the base of the ditch was brought to the original grade, one course of rip rap was placed at the bottom of the ditch to prevent erosion. Placement of the rip rap in the Main Ditch is shown in Photograph 6-2.

The Subcontractor installed a straw check dam downstream of the excavation footprint to prevent sediment transport to downgradient wetlands. The check dam will remain in place until vegetation coverage on the sidewalls of the Main Ditch is at least 70 percent established.



Photograph 6-1. Placement of Backfill in Main Ditch



Photograph 6-2. Placement of Rip Rap in Main Ditch for Restoration

6.3 DISPOSITION OF PLACED STONE

All placed stoned used for construction of the rock construction entrance and truck turnaround area and stone placed on the former railroad bed for access improvements was left in place, as approved by the U.S. Army.

6.4 RE-VEGETATION AND REMOVAL OF EROSION CONTROLS

Re-vegetation and re-seeding of the Main Ditch and disturbed construction support areas took place during the week of July 12, 2010. Re-seeding the areas was performed with prescribed seed mixtures detailed in Tables 8-3 and 8-4 of the RD. At the time of submission of the RAR, SAIC will continue to perform bi-weekly inspections of the site and the silt fencing to ensure the storm water controls are intact. Once vegetation is established to 70 percent coverage, the silt fencing and other storm water controls will be removed and disposed.

7.0 CONCLUSIONS

The selected remedy for soil and dry sediment at Load Line 12, as documented in the *Record of Decision (ROD) for Soil and Dry Sediment at the RVAAP-12 Load Line 12* (USACE 2009a), was to excavate contaminated dry sediment within the Main Ditch aggregate to achieve an arsenic CUG of 31 mg/kg for the most reasonably anticipated land use (National Guard Trainee). The remedial action described within this RAR attained the remedial action CUG and RAO established in the Load Line 12 ROD.

The RAO to prevent dispersal of contaminants and ensure underlying soil meets the lowest risk-based CUG for the exposure scenarios evaluated in the RI was achieved by the remedial action. Table 7-1 presents the removal totals from the Main Ditch at Load Line 12.

Table 7-1. Main Ditch Removal Quantity

Location	Total Waste Volume (tons)
Load Line 12 Main Ditch (Nonhazardous Waste)	1,181

Table 7-2 presents the final confirmation soil sampling results for the Main Ditch at Load Line 12.

Table 7-2. Confirmation Soil Sample Results

MI Sample Area	Confirmation Soil Sample Results (Arsenic Concentration)	Confirmation Sample Result Below Cleanup Goal? ^a
L12-256M	20.7 mg/kg E	Yes
L12-257M	12.9 mg/kg	Yes
L12-258M	12.7 mg/kg	Yes
L12-259M	21.1 mg/kg	Yes

^a Remedial action cleanup goal for arsenic in dry sediment is 31 mg/kg.

E = Matrix interference. The result is considered estimated, but usable.

By achieving the remedial action CUG, residual contaminant levels in soil beneath the Main Ditch at Load Line 12 are below the Ohio EPA risk benchmark (10E-5) and within the range of values observed in surrounding soil at Load Line 12.

This remedial action achieved objectives to allow for land use by the National Guard Trainee, with implementation of land use controls (as stated in Attachment E of the RD) and CERCLA five-year reviews. Other media (e.g., surface water, wet sediment, and groundwater) and MEC will be addressed as part of future actions.

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8.0 REFERENCES

Engineering-Environmental Management, Inc (E2M) 2008. *Site Inspection Report for Munitions Response Sites under the Military Munitions Response Program*. May 2008.

EnviroScience, Inc. 2008. *The Wetlands and Other Waters Delineation Report for the Remedial Actions at Ramsdell Quarry Landfill, Load Line 12, and Fuze and Booster Quarry Landfill/Ponds at the Ravenna Army Ammunition Plant/Ravenna Training and Logistics Site*. December 2008.

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.

USACE (U.S. Army Corps of Engineers) 1998. *Phase I Remedial Investigation Report for High-Priority Areas of Concern at the Ravenna Army Ammunition Plant, Ravenna, Ohio*, DACA62-94-D-0029, DO Nos. 0010 and 0022. February 1998.

USACE 2001a. *Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2001.

USACE 2001b. *Facility-Wide Safety and Health Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2001.

USACE 2004. *Phase II Remedial Investigation Report for Load Line 12 (RVAAP-12) at the Ravenna Army Ammunition Plant, Ravenna, Ohio*, March 2004.

USACE 2005. *Phase II Remedial Investigation Supplemental Report for Load Line 12 (RVAAP-12) at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. November 2005.

USACE 2006. *Feasibility Study for Load Line 12 (RVAAP-12) at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. July 2006.

USACE 2007. *Proposed Plan for Soil and Dry Sediment at Load Line 12 (RVAAP-12) at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2007.

USACE 2009a. *Record of Decision for Soil and Dry Sediment at the RVAAP-12 Load Line 12 at the Ravenna Army Ammunition Plant, Ravenna, Ohio*. March 2009.

USACE 2009b. *Remedial Design for the RVAAP-12 Load Line 12 at the Ravenna Army Ammunition Plant in Ravenna, Ohio*. October 2009.

USACE 2010. *Remedial Action Report for the RVAAP-16 Fuze and Booster Quarry Landfill/Ponds at the Ravenna Army Ammunition Plant in Ravenna, Ohio.* March 2010.

USACHPPM (U.S. Army Center for Health Promotion and Preventive Medicine) 1996.
Hazardous and Medical Waste Study No. 37-EF-5360-97, Relative Risk Site Evaluation (RRSE), RVAAP, Ravenna, Ohio, 28 October – 1 November 1996, Volume 1. October 1996.

Appendix A

Permits, Notifications, and Approvals

Appendix A-1.	United States Fish and Wildlife Service Concurrence Letter
Appendix A-2.	Ohio Historic Preservation Office Concurrence Letter
Appendix A-3.	Approval for Coverage under Ohio EPA General Permit OHC000003
Appendix A-4.	Portage Soil and Water Conservation District Approval
Appendix A-5.	USACE-Pittsburgh District Confirmation of Preconstruction Notification to Operate Under Nationwide Permit #38
Appendix A-6.	Utility Clearance Communication Summary
Appendix A-7.	Ohio EPA Approval of Backfill Source

Appendix A-1. United States Fish and Wildlife Service Concurrence Letter



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services
4625 Morse Road, Suite 104
Columbus, Ohio 43230
(614) 416-8993 / FAX (614) 416-8994

October 20, 2009

Jed Thomas
Deputy Project Manager
SAIC Engineering of Ohio, Inc.
8866 Commons Blvd.
Twinsburg, OH 44087

Tails: 31420-2009-TA-1199
31420-2010-FA-0628

Re: Response to Request for Determination of a Remedial Action Conducted at Load Line 12
within the Ravenna Army Ammunition Plant/Camp Ravenna

Dear Mr. Thomas:

We have received your recent correspondence requesting information about the subject proposal. There are no Federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area. Based on the information you have provided, at this time we have no objection to the proposed project.

ENDANGERED SPECIES COMMENTS: Due to the project type, size, and location, we do not anticipate any impact on federally listed endangered, threatened, or candidate species, or their habitats. Should the project design change, or during the term of this action, additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, consultation with the Service should be initiated to assess any potential impacts.

If you have additional questions or require further assistance with your project proposal, please contact me at the following number (614) 416-8993 x12. I would be happy to discuss the project in further detail with you and provide additional assistance if necessary. In addition, you can find more information on natural resources in Ohio by visiting our homepage at: <http://www.fws.gov/midwest/ohio>.

Sincerely,

for Mary Knapp, Ph.D.
Field Supervisor

Appendix A-2. Ohio Historic Preservation Office Concurrence Letter



November 4, 2009

Jed Thomas
Science Applications International Corporation
8866 Commons Boulevard
Twinsburg, OH 44087

Re: Remedial Action at Load Line 12
Camp Ravenna, Portage County, Ohio

Dear Mr. Thomas,

This is in response to correspondence from your office dated October 6, 2009 (received October 7) regarding the above referenced project. The comments of the Ohio Historic Preservation Office (OHPO) are submitted in accordance with provisions of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 [36 CFR 800]).

The project involves removal of contaminated sediment from a drainage ditch that extends through the Load Line 12 area. The Load Line is a part of Camp Ravenna and a contributing element to the significance of the facility. This Load Line played an integral role in the assembly of ordnance. In our opinion, the removal of sediment doesn't have the potential to diminish significant qualities of the Load Line. We agree with your assessment that no archaeological survey is necessary for this project. Based on the information presented in the correspondence we concur with your finding that there will be no historic properties affected by the proposed project. No further coordination with this office is necessary for this project unless there is a change in the scope of work. In addition, if new or additional properties or effects are discovered, this office should be notified [36 CFR 800.13].

Any questions concerning this matter should be addressed to David Snyder at (614) 298-2000, between the hours of 8 am. to 5 pm. Thank you for your cooperation.

Sincerely,

David Snyder, Ph.D., Archaeology Reviews Manager
Resource Protection and Review

DMS/ds (OHPO ID 2009-POR-8755; Log Number 1028641)

OHIO HISTORICAL SOCIETY

Ohio Historic Preservation Office

1982 Velma Avenue, Columbus, Ohio 43211-2497 ph: 614.298.2000 fx: 614.298.2037
www.ohiohistory.org

**Appendix A-3. Approval for Coverage under Ohio EPA General Permit
OHC000003**



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

TOLTEST INC
BRIAN MORGAN
508 W ELNORA
ODON

IN 47562

1/7/2010

RE: Approval for coverage under Ohio EPA General Permit OHC000003

STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY.

Dear Applicant:

The Ohio Environmental Protection Agency has received a Notice of Intent (NOI) for coverage under the above referenced general permit for:

Facility Name: RAVENNA ARMY ARSENAL PLANT LOAD LINE 12

Facility Street / Location: 8451 SR 5

County: Portage

City(ies) and Township(s): RAVENNA ; PARIS

Ohio EPA Facility Permit Number: 3GC04760*AG

This site/facility is approved for coverage under the above referenced Ohio EPA construction general permit (CGP). Please use your Ohio EPA facility permit number in all future correspondences. Please familiarize yourself with your permit. The permit contains requirements and prohibitions with which you must comply. Coverage remains in effect until a renewal general permit is issued and Ohio EPA has contacted you in writing instructing you to request continuing permit coverage.

Be aware that if more than one operator, as defined in the permit, will be engaged at a site, each operator shall seek coverage under the general permit. One operator shall submit an NOI and the additional operator(s) shall submit a Co-permittee NOI. Co-Permittees are covered under the same facility permit number. There is no fee associated with the Co-permittee NOI form.

Please be aware that this letter only authorizes discharges in accordance with the above referenced Storm Water Construction General Permit. The placement of fill into regulated waters of the state may require a 401 Water Quality Certification and/or Isolated Wetlands Permit from Ohio EPA. For further information on the 401/Isolated Wetlands Program please contact Mr. Jeff Boyles at: (614)644-2012 or at: Jeffrey.Boyles@epa.state.oh.us. Also a Permit-To-Install (PTI) is required for the construction of sanitary or industrial wastewater collection, conveyance, storage, treatment, or disposal facility; unless a specific exemption by rule exists. For more information on the PTI Program please contact the appropriate Division of Surface Water district office (the district within which the project is to be constructed) staff. Failure to obtain the required permits in advance is a violation of Ohio Revised Code 6111 and potentially subjects you to enforcement and civil penalties.

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

You may obtain additional information, copies of general permits and current forms/instructions from our web site at: <http://www.epa.ohio.gov/dsw/storm/stormform.aspx>

If you have any further questions, you should contact one of the following:

OHC000003 (Statewide CGP)

Mike Joseph (614) 752-0782 michael.joseph@epa.state.oh.us

OHCD00001 (Big Darby CGP) and OHCO00001 (Olentangy Permit)

Jason Fyffe (614) 728-1793 jason.fyffe@epa.state.oh.us

Or by calling (614) 644-2001 and asking to speak with a member of the Storm Water Unit

Sincerely,



Chris Korleski
Director

CC: D BOGOEVSKI

Appendix A-4. Portage Soil and Water Conservation District Approval



*Portage Soil and Water
Conservation District*

6970 ST. RT. 88 • RAVENNA, OHIO 44266
PHONE: (330) 297-7633 • FAX: (330) 296-5917



January 7, 2010

Mr. Jed Thomas
SAIC Engineering of Ohio, Inc.
8866 Commons Boulevard, Suite 201
Twinsburg, Ohio 440087

Mr. Jed Thomas

I have reviewed and approved the SWP3 for Load Line 12 remedial action at the
Ravenna Army Ammunitions Plant.

Please contact me to schedule an inspection when construction is underway.

If you should have any concerns please contact me at 330-297-7633 ext 112.

Thank you,

James A. Bierlair
District Coordinator
Portage SWCD

**Appendix A-5. USACE-Pittsburgh District Confirmation of
Preconstruction Notification to Operate Under Nationwide Permit #38**

Thomas, Jed H.

From: Rutledge, Tia L.
Sent: Monday, November 16, 2009 9:48 AM
To: Thomas, Jed H.
Subject: FW: PCN for Ravenna Army Arsenal Plant - Load Line 12 Dry Sediment Removal

Jed -

We are good to go with the removal action at LL12 per Mr. Cornelius.

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

From: Cornelius, James J LRP [mailto:James.J.Cornelius@usace.army.mil]
Sent: Monday, November 16, 2009 9:46 AM
To: Rutledge, Tia L.
Subject: RE: PCN for Ravenna Army Arsenal Plant - Load Line 12 Dry Sediment Removal

Tia,

Good to hear from you. You don't need any authorization from us. The only requirement for a CERCLA activity under a Nationwide 38 is that we are to be provided with a PCN, which you have done.

Thanks,

Jeff

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

From: Rutledge, Tia L. [mailto:TIA.L.RUTLEDGE@saic.com]
Sent: Monday, November 16, 2009 9:02 AM
To: Cornelius, James J LRP
Cc: Thomas, Jed H.
Subject: PCN for Ravenna Army Arsenal Plant - Load Line 12 Dry Sediment Removal

Good morning Mr. Cornelius,

SAIC submitted the Final Remedial Design for the LL12 AOC on 1 Oct 09 to meet the PCN requirement under the Nation Wide Permit 38. To date we have not received an authorization letter from your office. Could you please provide us status as to when we may expect authorization? We would like to start the Remedial Action later this month; do we need the authorization letter to start?

Thank you for your assistance,

Tia

Appendix A-6. Utility Clearance Communication Summary

Thomas, Jed H.

From: McGee, James D Mr CTR OSD OSA USA [jim.d.mcgee@us.army.mil]
Sent: Tuesday, December 22, 2009 2:36 PM
To: Thomas, Jed H.
Cc: Mark Patterson
Subject: RE: Load Line 12 Remedial Action ~ Utility Clearance

Jed:

I think you have adequately summarized our conversation of this morning. I have just one thing to add. Please inspect the energized overhead lines that run through the east side of LL-12 to insure that no lines travel down any utility pole into the ground. If present, this type of line could be struck when excavation is in progress. It is possible that one of these underground electric lines could have been used to service one of the demolished buildings.

Always assume that every electric line is energized until you can prove that it is not.

Jim McGee

From: Thomas, Jed H. [mailto:JED.H.THOMAS@saic.com]
Sent: Tuesday, December 22, 2009 2:19 PM
To: Jim McGee
Cc: Rutledge, Tia L.
Subject: Load Line 12 Remedial Action ~ Utility Clearance

Jim -

To summarize our conversation regarding utilities in the Load Line 12 Remedial Action Construction area, please see the bullets below:

- SAIC intends to only excavate the surface of the Main Ditch running through Load Line 12.
- The electrical lines paralleling the ditch, on the east side of the ditch are active. Caution will need to be taken when using an excavator and when felling trees.
- You recommended a site recon to ensure there were no wires hanging from the active electrical lines.
- RVAAP and OHARNG do not have plans for any phone lines that may be running subsurface at Load Line 12. There is no need to repair any of those lines if they are cut during remedial activities.
- Mark Patterson noted that there may be some waterlines that have water pressure. There were historical encounters of those water lines at approximately 3 to 4 feet below ground surface. SAIC noted the following:
 - o A field recon will be conducted to identify stick ups that may show where waterlines are located.
 - o Excavation activities will be conducted slowly and cautiously in effort to avoid damaging these waterlines.

Please let me know if this summarizes our conversation or if there is anything else to add.

Thank you,
Jed

Jed Thomas, P.E. | SAIC
Environmental Engineer | Energy, Environment & Infrastructure Business Unit (E2IBU)
phone: 330.405.5802 | fax 330.405.9811
email: jed.h.thomas@saic.com

Please consider the environment before printing this email.

Appendix A-7. Ohio EPA Approval of Backfill Source

Thomas, Jed H.

From: prvs=0768168309=todd.fisher@epa.state.oh.us on behalf of Todd Fisher
[todd.fisher@epa.state.oh.us]
Sent: Tuesday, June 01, 2010 3:01 PM
To: Eileen Mohr; Thomas, Jed H.
Cc: Todd Fisher; Sprinzl, Richard E. ; Thomas M LRL Chanda
Subject: Re: SAIC Backfill Source ~ RQL and Load Line 12 Remedial Actions

Jed,

It is acceptable to use the backfill material from the same pile that was used during the FBQ RA. Anything over 4,000 cubic yards will require an additional sample(s).

If you have any questions, please give me a call.

Thanks,

Todd

Todd R. Fisher
Project Coordinator
Ohio Environmental Protection Agency
Division of Emergency and Remedial Response
2110 East Aurora Rd.
Twinsburg, OH 44087

Work: (330) 963-1148
RVAAP Field Office: (330) 548-3860
Cell: (330) 389-0521
FAX: (330) 487-0769
email address: Todd.Fisher@epa.state.oh.us

>>> "Thomas, Jed H." <JED.H.THOMAS@saic.com> Thursday, May 27, 2010 2:29 PM >>>
Todd and Eileen -

With respect to backfilling areas at RQL and Load Line 12, we plan to use the same backfill source that we used during the Fuze and Booster Quarry Landfill/Ponds Remedial Action. This is the same soil pile that was sampled at the Route 5 Sand and Gravel and subsequently approved in the e-mail below.

As stated in the *Final Remedial Action Report for the RVAAP-16 Fuze and Booster Quarry Landfill/Ponds*, we used 55 cubic yards of this soil during the FBQ Remedial Action. Per Ohio EPA guidance, we are required to sample every 4,000 cubic yards of backfill soil used. At this point, we do not anticipate that we will exceed a total of 4,000 cubic yards of backfill soil between the three remedial actions. If it is determined in the field that our total backfill will exceed 4,000 cubic yards, we will identify another source and have it sampled for approval.

Please let me know if it is acceptable to use this same backfill source for the RQL and Load Line 12 Remedial Actions up to 4,000 cubic yards.

Thank you,
Jed

From: prvs=0564c9aba9=todd.fisher@epa.state.oh.us [mailto:prvs=0564c9aba9=todd.fisher@epa.state.oh.us] **On Behalf Of** Todd Fisher
Sent: Monday, November 09, 2009 12:32 PM
To: Eileen Mohr; Thomas, Jed H.

Cc: Thomas M LRL Chanda
Subject: Re: SAIC Backfill Source ~ Sampling Results

Jed,

I looked over the laboratory results and conclude that the backfill source is acceptable for use with FBQ Remedial Action activities.

Thanks,

Todd

Todd R. Fisher
Project Coordinator
Ohio Environmental Protection Agency
Division of Emergency and Remedial Response
2110 East Aurora Rd.
Twinsburg, OH 44087

Work: (330) 963-1148
Cell: (330) 389-0521
FAX: (330) 487-0769
email address: Todd.Fisher@epa.state.oh.us

>>> "Thomas, Jed H." <JED.H.THOMAS@saic.com> Monday, November 09, 2009 12:16 PM >>>
Todd and Eileen -

Attached are the sample results for the backfill source at Route 5 Sand and Gravel. The sample collected was Sample ID FBQ-QC-0519-QC. The data summary incorrectly list it as FB2-QC-0519-QC. I will ensure they correct this. Basically, the results are as follows:

- 1) All the inorganic concentrations were below the RVAAP surface or subsurface background values; and
- 2) The VOCs, SVOCs, Pesticides, PCBs, Explosives, and Propellants concentrations were either nondetectable or the lab estimated a concentration below the laboratory reporting levels (RLs).


Please let me know if you approve our use of this source for the FBQ Remedial Action. If you can let me know ASAP, I would appreciate it as we are currently mobilizing for the restoration activities.

At this point, we will use minimal quantities of this source at FBQ. If approved, we will use it at LL 12 and RQL as well. We have the area staked off and Route 5 Sand and Gravel agreed to reserve the area for our future use.

Thank you,
Jed

Jed Thomas, P.E. | SAIC
Environmental Engineer | Energy, Environment & Infrastructure Business Unit (E2IBU)
phone: 330.405.5802 | fax 330.405.9811
email: jed.h.thomas@saic.com

Please consider the environment before printing this email.

Ohio Environmental Protection Agency This communication and any response to it may constitute a public record and thus may be publicly available to anyone who requests it. 

Appendix B
Laboratory Analytical Results

Science Applications International Corp

Client Sample ID: L12SD-256M-0913-SD

TOTAL Metals

Lot-Sample #...: AOF150539-001

Matrix.....: SE

Date Sampled...: 06/14/10 15:30 Date Received...: 06/15/10

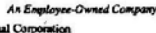
% Moisture.....: 2.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0172114						
Arsenic	20.7 E	0.51	mg/kg	SW846 6020	06/21-06/22/10	L2X3H1AC
		Dilution Factor: 1		Analysis Time...: 10:50	Analyst ID.....: 000079	
		Instrument ID...: I8		MDL.....: 0.054		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Matrix interference.



151 Lafayette Drive, Oak Ridge, Tennessee 37831 (865) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: RVAAPL12-TA-003

14

PROJECT NAME: RVAAP - Load Line 12				REQUESTED PARAMETERS										LABORATORY NAME: TestAmerica			
PROJECT NUMBER: 01-08-05 126399.00.06119.00.3267.01.112														LABORATORY ADDRESS: 4101 Shuffel Street NW North Canton, Ohio 44720 Attn: Mark Loeb			
PROJECT MANAGER: Jed Thomas 330-405-5802																	
Sampler (Signature) <i>Rich Spruzel</i> (Printed Name) Rich Spruzel																	
Sample ID	Date Collected	Time Collected	Matrix	Arsenic											No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
L12SD-2564-0913-SD	6/14/10	1530	SD	X											2		MI PROCESSING 0-0.5' MI AREA
<div style="position: relative; width: 100%; height: 100%;"> RS </div>																	
RELINQUISHED BY: <i>Rich Spruzel</i>				RECEIVED BY: <i>[Signature]</i>				TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:					
COMPANY NAME: SAIC				COMPANY NAME: T.A.				Cooler ID:				FEDEX NUMBER: N/A, COURIER					
RECEIVED BY:				RELINQUISHED BY: <i>[Signature]</i>				PO10026813 1 sample for MI Processing 5 DAY TAT									
COMPANY NAME: 5JUN10				COMPANY NAME: T.A.													
RELINQUISHED BY:				RECEIVED BY: <i>Walt [Signature]</i>													
COMPANY NAME: 1200				COMPANY NAME: TEST AMERICA													

North Canton

Science Applications International Corp

Client Sample ID: L12SD-257M-0916-SD

TOTAL Metals

Lot-Sample #...: A0F170523-001

Matrix.....: SE

Date Sampled...: 06/17/10 10:30 Date Received...: 06/17/10

% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...:	0172114					
Arsenic	12.9	0.51	mg/kg	SW846 6020	06/21-06/22/10	L22661AC
		Dilution Factor: 1		Analysis Time...: 11:15	Analyst ID.....: 000079	
		Instrument ID...: I8		MDL.....: 0.054		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Science Applications International Corp

Client Sample ID: L12SD-257M-0922-FD

TOTAL Metals

Lot-Sample #...: A0F170523-002

Matrix.....: SE

Date Sampled...: 06/17/10 10:30 Date Received...: 06/17/10

% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...:	0172114					
Arsenic	14.7	0.51	mg/kg	SW846 6020	06/21-06/22/10	L227F1AC
		Dilution Factor: 1		Analysis Time...: 11:19	Analyst ID.....: 000079	
		Instrument ID...: I8		MDL.....: 0.054		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Science Applications International Corp

Client Sample ID: L12SD-258M-0919-SD

TOTAL Metals

Lot-Sample #...: AOF180578-001

Matrix.....: SE

Date Sampled...: 06/18/10 14:20 Date Received...: 06/18/10

% Moisture.....: 2.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0172114						
Arsenic	12.7	0.51	mg/kg	SW846 6020	06/21-06/22/10	L25KL1AC
		Dilution Factor: 1		Analysis Time...: 11:24	Analyst ID.....: 000079	
		Instrument ID...: I8		MDL.....: 0.053		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.



151 Lafayette Drive, Oak Ridge, Tennessee 37831(865) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: RVAAPL12-TA-005

14

PROJECT NAME: RVAAP - Load Line 12				REQUESTED PARAMETERS												LABORATORY NAME: TestAmerica																			
PROJECT NUMBER:																LABORATORY ADDRESS: 4101 Shuffel Street NW North Canton, Ohio 44720 Attn: Mark Loeb																			
PROJECT MANAGER: Jed Thomas 330-405-5802 126399.00, 06119.00, 3267.01, 112																PHONE NO: 330-966-9387																			
Sampler (Signature) RSpind		(Printed Name) R. Spindel														No. of Bottles/Vials: 2																			
Sample ID	Date Collected	Time Collected	Matrix	Arsenic													OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS																	
L12SD-258M-0919-SD	6/18/10	1420	SD	X														MI PROCESSING 5 DAY TAT AREA 3/L12SD-258M																	
<i>[Large diagonal line across the grid]</i>																																			
RELINQUISHED BY: RSpind		Date/Time 6/18/10 1557	RECEIVED BY: Jed Thomas		Date/Time 6/18/10 1557	TOTAL NUMBER OF CONTAINERS: 2				Cooler Temperature:																									
COMPANY NAME: SAIC			COMPANY NAME: SAIC			Cooler ID:				FEDEX NUMBER:																									
RECEIVED BY: Chris Lign		Date/Time 6/18/10 4:50pm	RELINQUISHED BY: Jed Thomas		Date/Time 6/18/10 4:50pm	PO10026813 1 sample for MI processing 5 day TAT for prelim data																													
COMPANY NAME: TKL			COMPANY NAME: SAIC																																
RELINQUISHED BY:		Date/Time	RECEIVED BY:		Date/Time																														
COMPANY NAME:			COMPANY NAME:																																

North Canton

Appendix C
Field Change Request Forms

FIELD CHANGE REQUEST (FCR)

FCR NO. <u>FCR-RVAAPLL12-001</u>		DATE INITIATED <u>01/08/10</u>
PROJECT <u>Load Line 12 Remedial Action</u>		
CONTRACT NO. <u>GSA Contract No. GS-10F-0076J Delivery Order No. W912QR-05-F-0033</u>		
REQUESTOR IDENTIFICATION		
NAME <u>Jed Thomas</u>	ORGANIZATION <u>SAIC</u>	PHONE <u>330-405-5802</u>
TITLE <u>SAIC Construction Manager</u>	SIGNATURE <u>[Signature]</u>	
BASELINE IDENTIFICATION		
BASELINE(S) AFFECTED <input type="checkbox"/> Cost <input type="checkbox"/> Scope <input type="checkbox"/> Milestone <input checked="" type="checkbox"/> Method of Accomplishment		
AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION) <u>Final Remedial Design for the RVAAP-12 Load Line 12</u>		
DESCRIPTION OF CHANGE: <u>SAIC would like approval of a field change to have a portable water tank stored at Load Line 12 on an "as needed" basis, as opposed to having one brought on site as a field mobilization/set up activity. As evidenced by the remedial action at the Fuze and Booster Quarry Landfill/Ponds, a portable water tank may not be needed as "Excavation Water" may not be generated. Additionally, the Main Ditch at Load Line 12 has not had standing water since a downstream beaver dam was removed. If the sediment within the ditch is saturated, a drying agent (e.g., sawdust or wood chips) may be used to ensure haul trucks are not leaking free liquids.</u>		
<u>In the event that Excavation Water requires management and containerizing, the remedial subcontractor (Toltest) indicated they can have a water storage tank brought to the site the day it is needed.</u>		
<u>Specific to the design, this change impacts the statement in Drawing C-4, Note 8: "The tank shall be maintained at the designated equipment staging area with secondary containment."</u>		
JUSTIFICATION:		
<u>Excavation Water did not require containerization during the Fuze and Booster Quarry/Landfill remedial action. The cost and effort of having a water storage tank onsite throughout the duration of the project was not justified.</u>		
IMPACT OF NOT IMPLEMENTING REQUEST:		
<u>Costs will be incurred by SAIC for a storage tank that may not be used/required. Time and effort will be saved at the onset of the project if Excavation Water does not require containerizing and, consequently, a storage tank is not required.</u>		
PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST:		
<u>SAIC Construction Manager and Remedial Subcontractor</u>		
COST ESTIMATE (\$) <u>0</u>	ESTIMATOR SIGNATURE <u>No cost impact to USACE</u>	
	PHONE <u>NA</u>	DATE <u>NA</u>
PREVIOUS FCR AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO; IF YES, FCR NO. <u> </u>		
USACE COTR <u>[Signature]</u>	DATE <u>1/11/2010</u>	
OHIO EPA PROJECT MANAGER <u>[Signature]</u>	DATE <u>1/11/2010</u>	
SAIC H&S MANGER SIGNATURE (IF APPLICABLE) <u>NA</u>	DATE <u>NA</u>	

FIELD CHANGE REQUEST (FCR)

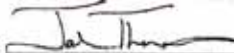
FCR NO. FCR-RVAAPL12-002 DATE INITIATED 01/25/10
PROJECT Load Line 12 Remedial Action
CONTRACT NO. GSA Contract No. GS-10F-0076J Delivery Order No. W912QR-05-F-0033

REQUESTOR IDENTIFICATION

NAME Jed Thomas ORGANIZATION SAIC PHONE 330-405-5802

TITLE SAIC Construction Manager

SIGNATURE



BASELINE IDENTIFICATION

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

AFFECTED DOCUMENT (TITLE, NUMBER AND SECTION)

Final Remedial Design for the RVAAP-12 Load Line 12

DESCRIPTION OF CHANGE:

SAIC would like approval 4 changes regarding the Load Line 12 Remedial Action. These changes were discussed in principle during a January 20, 2010 site walkover with Mark Patterson, Eileen Mohr, and Todd Fisher. The changes are as follows:

- 1) SAIC would like to use the soil that was sampled (and approved) at the Route 5 Sand and Gravel as the downstream water tight barrier discussed in Section 5.3.1.1 of the RD and presented on Drawing C-4. The soil has a clayey component that will compact well and ensure Excavation Water does not proceed downstream of the excavation area. The soil dam will be placed immediately downstream (north) of the northern most removal area (MI area L12-258M). The soil from the dam will be used to help re-grade the ditch during site restoration.
- 2) SAIC would like to change the site set up and traffic pattern to compensate for saturated conditions at the southern portion of Load Line 12. SAIC would like to prepare the site so the haul trucks will use the north entrance for both an entrance and an exit. SAIC will use approximately 5 inches of 1"-2" gravel to enhance the base of the existing railroad bed. Additionally, SAIC will use a 2"-4" stone base with a 1"-2" gravel cover to construct a truck turnaround area to the south of the former location of Bldg F-19. The same combination of stone will be used as needed to enhance areas to provide truck access to the Former Railroad Bed. As agreed with Mark Patterson, all stone will remain in place after remedial activities. Alterations to the site set up and the traffic pattern can be seen in the revised Drawings C-4 and C-6.
- 3) As requested by Ohio EPA, the excavation of ditch sidewalls will be performed by removing as few trees as practical. Currently, the excavation extents presented in Drawing C-5 presents removal up the ditch wall which would require removal of trees within that extent. Ohio EPA requests the excavation focuses on the bottom of the ditch. Ohio EPA stated that sidewall excavation can take place around the existing trees on the ditch walls, as opposed to removing those trees. The excavator will carefully scrap around trees taking root in the sidewalls and the only trees that will be removed from the sidewalls will be those that interfere with excavator movement and access. The bottom of the ditch will proceed as designed and trees/vegetation at the bottom of the ditch will be removed.
- 4) Ohio EPA approved the use of clean sawdust (generated from untreated wood) to be used as a drying agent by mixing with the saturated sediment/soil. The sawdust will be used to ensure the excavated sediment/soil does not have free liquids when it is loaded to the haul trucks and ultimately disposed at the landfill.

JUSTIFICATION:

Justification for each of the requests are presented above.

IMPACT OF NOT IMPLEMENTING REQUEST:

The impacts are as follows (in accordance with the requests above):

FIELD CHANGE REQUEST (FCR)

1) The clayey soil will provide a better dam to ensure Excavation Water remains in the excavated area for proper management. Additionally, the material used for the dam will be utilized for restoration and backfill activities. Therefore, the waste generated from sandbags will be eliminated.

2) There is a significant amount of saturated ground in the south portion of Load Line 12. There will be considerable cost and effort required to ensure haul trucks will be able to navigate this area without getting stuck in ruts and mud. Focusing the haul road to the northern portion of Load Line 12 will reduce the effort, cost, and maintenance required to have haul trucks access the Main Ditch.

3) Trees existing in the sidewalls of the Main Ditch will remain in place and will not require management or disposal.

4) 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. If a drying agent is not able to be used, implementation of the remedial action will need to be delayed until a drier time of the year.

PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST:
SAIC Construction Manager 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 Nathaniel Peters, II DATE 26 JAN 2010

OHIO EPA PROJECT MANAGER John R. Fisher DATE 01/26/2010

SAIC H&S MANGER SIGNATURE (IF APPLICABLE) NA DATE NA

Appendix D
Waste Manifests

**RVAAP Load Line 12 Remedial Action
Manifest Log**

Disposal Date	Type of Waste	Source/ Location	Date of Generation	Transporter	Truck License No.	Disposal Facility	Waste Profile No.	Manifest Document No.	Facility Quantity (tons)	Copy of manifest leaving site (Y/N)	Signed Manifest Rec'd (Y/N)	Signed Manifest to Regs (Y/N)	Notes
6/10/2010	Nonhaz	Load Line 12	6/10/2010	R&J Trucking	PFY3479	American Landfill	109527OH	31691	25.22	Y	Y	Y	None
6/10/2010	Nonhaz	Load Line 12	6/10/2010	R&J Trucking	PFM6269	American Landfill	109527OH	31692	22.31	Y	Y	Y	None
6/10/2010	Nonhaz	Load Line 12	6/10/2010	R&J Trucking	PFM6052	American Landfill	109527OH	31693	22.3	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/10/2010	R&J Trucking	PUU9789	American Landfill	109527OH	31694	23.83	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/10/2010	R&J Trucking	PGC6541	American Landfill	109527OH	31695	23.63	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/11/2010	R&J Trucking	PUU9789	American Landfill	109527OH	31696	23.62	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/11/2010	R&J Trucking	PGJ1689	American Landfill	109527OH	31697	25.31	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/11/2010	R&J Trucking	PGG6541	American Landfill	109527OH	31698	25.43	Y	Y	Y	None
6/11/2010	Nonhaz	Load Line 12	6/11/2010	R&J Trucking	PFM6269	American Landfill	109527OH	31699	23.3	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	AF56968	American Landfill	109527OH	31700	23.61	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	BA511727	American Landfill	109527OH	31701	21.1	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	AF45353	American Landfill	109527OH	31702	21.43	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	AF03793	American Landfill	109527OH	31703	20.35	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	1015115	American Landfill	109527OH	31704	22.22	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	AF56968	American Landfill	109527OH	31705	23.21	Y	Y	Y	None
6/14/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	AF03793	American Landfill	109527OH	31706	22.14	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/14/2010	US Bulk	1015115	American Landfill	109527OH	31707	22.32	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	AF03793	American Landfill	109527OH	31708	21.59	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	AF56968	American Landfill	109527OH	31709	23.65	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	1015115	American Landfill	109527OH	31710	23.52	Y	Y	Y	None

**RVAAP Load Line 12 Remedial Action
Manifest Log**

Disposal Date	Type of Waste	Source/ Location	Date of Generation	Transporter	Truck License No.	Disposal Facility	Waste Profile No.	Manifest Document No.	Facility Quantity (tons)	Copy of manifest leaving site (Y/N)	Signed Manifest Rec'd (Y/N)	Signed Manifest to Regs (Y/N)	Notes
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	AF03793	American Landfill	109527OH	31711	21.71	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	AF56968	American Landfill	109527OH	31712	23.11	Y	Y	Y	None
6/15/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	1015115	American Landfill	109527OH	31713	24.09	Y	Y	Y	None
6/16/2010	Nonhaz	Load Line 12	6/15/2010	US Bulk	AF03793	American Landfill	109527OH	31714	22.43	Y	Y	Y	None
6/16/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	1015115	American Landfill	109527OH	31715	21.94	Y	Y	Y	None
6/16/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	AF03793	American Landfill	109527OH	31716	22.76	Y	Y	Y	None
6/16/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	1015115	American Landfill	109527OH	31717	23.65	Y	Y	Y	None
6/16/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	AF03793	American Landfill	109527OH	31718	23.15	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/16/2010	D&D Trucking	PEY6172	American Landfill	109527OH	31719	20.17	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	1015115	American Landfill	109527OH	31720	24.06	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/16/2010	US Bulk	AF03793	American Landfill	109527OH	31721	21.15	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVJ8483	American Landfill	109527OH	31722	20.45	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31723	20.26	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	US Bulk	AF03793	American Landfill	109527OH	31724	21.63	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	US Bulk	1015115	American Landfill	109527OH	31725	23.1	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	D&D Trucking	PEY6172	American Landfill	109527OH	31726	20.95	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVJ8483	American Landfill	109527OH	31727	21.92	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31728	22.09	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	US Bulk	AF03793	American Landfill	109527OH	31729	22.14	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	US Bulk	1015115	American Landfill	109527OH	31730	22.58	Y	Y	Y	None

**RVAAP Load Line 12 Remedial Action
Manifest Log**

Disposal Date	Type of Waste	Source/ Location	Date of Generation	Transporter	Truck License No.	Disposal Facility	Waste Profile No.	Manifest Document No.	Facility Quantity (tons)	Copy of manifest leaving site (Y/N)	Signed Manifest Rec'd (Y/N)	Signed Manifest to Regs (Y/N)	Notes
6/18/2010	Nonhaz	Load Line 12	6/17/2010	D&D Trucking	PEY6172	American Landfill	109527OH	31731	21.02	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVJ8483	American Landfill	109527OH	31732	21.24	Y	Y	Y	None
6/17/2010	Nonhaz	Load Line 12	6/17/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31733	21.59	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/17/2010	US Bulk	AF03793	American Landfill	109527OH	31734	22.18	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	Berner Trucking	PVJ8483	American Landfill	109527OH	31735	24.27	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31736	22.35	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	US Bulk	1015115	American Landfill	109527OH	31737	23.86	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	US Bulk	AF03793	American Landfill	109527OH	31738	21.14	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	D&D Trucking	PEY6172	American Landfill	109527OH	31739	23.32	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	Berner Trucking	PVJ8483	American Landfill	109527OH	31740	20.78	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31741	22.47	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	US Bulk	AF03793	American Landfill	109527OH	31742	21.79	Y	Y	Y	None
6/18/2010	Nonhaz	Load Line 12	6/18/2010	US Bulk	1015115	American Landfill	109527OH	31743	23.05	Y	Y	Y	None
6/21/2010	Nonhaz	Load Line 12	6/18/2010	Berner Trucking	PVN5998	American Landfill	109527OH	31744	19.86	Y	Y	Y	None

- Note that the quantities entered on the manifest were weights estimated in the field. Quantities in this table are actual weights, as measured at the receiving facility.

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of 1
3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031691**

5. Generator's Name and Mailing Address
Ravenna Army Ammunition Plant
8151 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name R & J TRUCKING 800-262-9365

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone: 330-860-3265
Amical Landfill
7010 Chapel Street
Waynesburg, Ohio 44688

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

~~107527-0H~~
1074080H per John Miller

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

Signature

Month Day Year

Mark Patterson

Mark Patterson

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

Signature

Month Day Year

Kenneth R Beedle

Kenneth Beedle

6 10 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

Month Day Year

BR 6/10/10

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031692	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365								U.S. EPA ID Number	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) 1074580H 1074080H per John Miller									
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 Mark Patterson		Signature Mark Patterson		Month 6		Day 10		Year 10	
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 Greg Ochs, SR		Signature Greg Ochs, SR		Month 6		Day 10		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:									
17b. Alternate Facility (or Generator) U.S. EPA ID Number									
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator) Month Day Year									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature BR 6/10/10		Month 6		Day 10		Year 10	

107507

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031693	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-806-3265						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) 1074080H per John Miller						
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 Mark Patterson			Signature Mark Patten		Month 6	Day 10
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit:		Year 10	
Transporter Signature (for exports only):			Date leaving U.S.:			
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Russ Timms			Signature Russ Timms		Month 6	Day 10
Transporter 2 Printed/Typed Name			Signature		Year 10	
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:						
17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)					Month	Day
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name			Signature BT 6/10/10		Month	Day
					Year	

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

OH5210020736

2. Page 1 of

1

3. Emergency Response Phone

330-358-7312

4. Waste Tracking Number

031694

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

R & J TRUCKING 800-262-9365

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

001

DT

22

T

Non RCRA, Non Regulated Solid Waste

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

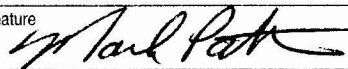
Profile # 1095270H

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

Mark Patterson

Signature



Month Day Year

6 10 10

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

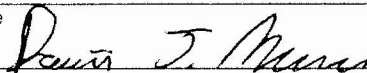
Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Dominic J. Morris

Signature



Month Day Year

6 10 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

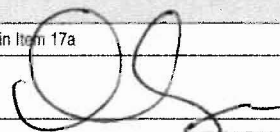
Month Day Year

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

Printed/Typed Name

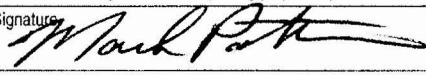
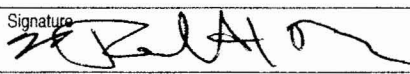
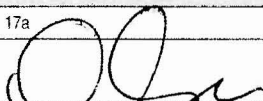
D. Ayers

Signature



Month Day Year

6 11 08

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031695			
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)							
Generator's Phone: 330-358-7312											
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365								U.S. EPA ID Number			
7. Transporter 2 Company Name								U.S. EPA ID Number			
8. Designated Facility Name and Site Address Ameneal Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number			
Facility's Phone: 330-866-3265											
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.						
		No.	Type								
1. Non RCRA, Non Regulated Solid Waste		001	DR	22	T						
2.											
3.											
4.											
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H											
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 Mark Patterson				Signature 		Month 6		Day 10		Year 10	
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 G. LITTO / ROBERT BAILEY				Signature 		Month 6		Day 10		Year 10	
Transporter 2 Printed/Typed Name				Signature		Month		Day		Year	
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:											
17b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:											
17c. Signature of Alternate Facility (or Generator) Month Day Year											
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a											
Printed/Typed Name D. Ayers				Signature 		Month 6		Day 11		Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1	3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031696	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)				
Generator's Phone: 330-358-7312								
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365							U.S. EPA ID Number	
7. Transporter 2 Company Name							U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688							U.S. EPA ID Number	
Facility's Phone: 330-866-3265								
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
		No.	Type					
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T			
2.								
3.								
4.								
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 1095270H								
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 Mark Patterson				Signature <i>Mark Patterson</i>		Month Day Year 6 11 10		
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 Dennis J. Morris Dominic Marino				Signature <i>Dennis J. Morris</i>		Month Day Year 6 11 10		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
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: _____								
17b. Alternate Facility (or Generator) U.S. EPA ID Number								
Facility's Phone: _____								
17c. Signature of Alternate Facility (or Generator) Month Day Year								
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a								
Printed/Typed Name				Signature <i>BR</i>		Month Day Year 6 11 10		

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031697	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266 Generator's Phone: 330-358-7312		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365		U.S. EPA ID Number							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688 Facility's Phone: 330-800-3265		U.S. EPA ID Number							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT		T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 10952704									
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 Mark Patterson				Signature <i>Mark Patterson</i>		Month Day Year 6 11 10			
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> 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 GERALD GIULITTO				Signature <i>Gerald Giulitto</i>		Month Day Year 6 11 10			
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
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:									
17b. Alternate Facility (or Generator)				U.S. EPA ID Number					
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name				Signature <i>BK</i>		Month Day Year 6/11/10			

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

OH5210020736

2. Page 1 of

1

3. Emergency Response Phone

330-358-7312

4. Waste Tracking Number

031698

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

R & J TRUCKING 800-262-9365

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

001

DT

22

T

Non RCRA, Non Regulated Solid Waste

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

Profile # 10952704

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 11 10

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

Givitts / ROBERT BAILEY

Signature

Robert Bailey

Month Day Year

6 11 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

6/11/10

Month Day Year

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031699			
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266 Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365								U.S. EPA ID Number			
7. Transporter 2 Company Name								U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688 Facility's Phone: 330-866-3265								U.S. EPA ID Number			
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.						
		No.	Type								
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T						
2.											
3.											
4.											
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 10952704											
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 Mark Patterson				Signature <i>Mark Patterson</i>		Month 6		Day 11		Year 10	
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 Greg Ochs, Sr				Signature <i>Greg Ochs, Sr</i>		Month 6		Day 11		Year 10	
Transporter 2 Printed/Typed Name				Signature		Month		Day		Year	
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:											
17b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:											
17c. Signature of Alternate Facility (or Generator) Month Day Year											
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a											
Printed/Typed Name				Signature <i>BR</i>		Month 6		Day 14		Year 10	

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NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031700	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name U.S. BULK R.A. TRUCKING 800-282-4000			U.S. EPA ID Number PAD 987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Amencal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-866-3265						
9. Waste Shipping Name and Description			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. Non RCRA Non Regulated Solid Waste			001	DT	22	T
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #10952704						
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 Mark Patterson			Signature <i>Mark Patterson</i>		Month 6	Day 14
					Year 10	
TRANSPORTER	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 Robert Richardson			Signature <i>Robert Richardson</i>		Month 6
	Transporter 2 Printed/Typed Name			Signature		Day 14
						Year 10
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:					
	17b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone:					
	17c. Signature of Alternate Facility (or Generator) Month Day Year					
	18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
	Printed/Typed Name D. Myers			Signature <i>D. Myers</i>		Month 6
						Day 14
						Year 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031701	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name R & L TRUCKING 800-262-9365 US Bulk 800-642-8910			U.S. EPA ID Number PAD 987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Amescol Landfill 7910 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-866-3265						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	1	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) #PP616 #D0952-TOH						
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 <i>David Cameron</i>			Signature <i>Mark Pettit</i>		Month Day Year 6 14 10	
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 Larry Hood			Signature <i>Larry Hood</i>		Month Day Year 6 14 10	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
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:						
17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)			Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name <i>D. Arco</i>			Signature <i>[Signature]</i>		Month Day Year 6 14 10	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number
031702

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~U.S. Bulk~~ 800 642 8910
U.S. Bulk 800 642 8910

U.S. EPA ID Number

PAD 987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

L. Ravenna Non-Haz Soil (LL12)

Profile #1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 14 10

INT'L

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

SHAWN LAZZAR

Signature

Shawn Lazzar

Month Day Year

6 14 10

Transporter 2 Printed/Typed Name

Signature

Month Day Year

TRANSPORTER

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

D. Ayers

Signature

D. Ayers

Month Day Year

6 14 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of 1
3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number
031703

5. Generator's Name and Mailing Address
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name
~~R & L TRUCKING 800-202-8305~~
US BULK 800 642-8910

U.S. EPA ID Number
PAD 987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone: 330-800-3265
Amical Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Non RCRA Non Regulated Solid Waste

001 DT

22

T

13. Special Handling Instructions and Additional Information

L. Ravenna Non-Haz Soil (LL12)
Profile #1095270H

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
Mark Patterson

Signature
Mark Patterson

Month Day Year
6 14 10

15. International Shipments
☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
VICTOR L TRACY

Signature
Victor L Tracy

Month Day Year
6 14 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name
D Ayers

Signature
D Ayers

Month Day Year
6 14 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

OH5210020736

2. Page 1 of

1

3. Emergency Response Phone

330-358-7312

4. Waste Tracking Number

031704

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

R & L TRUCKING 330-262-4365

US BULK 800642-8910

U.S. EPA ID Number

PAD987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

001

DT

22

T

Non RCRA, Non Regulated Solid Waste

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

Profile #1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 14 10

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

Chad Copper

Signature

Chad Copper

Month Day Year

6 14 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

D. Ayers

Signature

D. Ayers

Month Day Year

6 14 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
0113210020136

2. Page 1 of 1

3. Emergency Response Phone
330-358-312

4. Waste Tracking Number
031705

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone:

330-358-7312

6. Transporter 1 Company Name

~~U.S. BULK~~ 18036428910

U.S. EPA ID Number

MD 181347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Amenical Landfill
7910 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone:

330-866-3269

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

TY

22

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2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL17)

Profile #109527011

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

Mark Patterson

Signature

Mark Patterson

Month

Day

Year

6

18

10

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

Robert Richardson

Signature

Robert Richardson

Month

Day

Year

6

14

10

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

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

Printed/Typed Name

Signature

6/14/10

Month

Day

Year

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1	3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031706	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)				
Generator's Phone: 330-358-7312								
6. Transporter 1 Company Name US BULK 18006428910		U.S. EPA ID Number PA0987347515						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number						
Facility's Phone: 330-866-3265								
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
		No.	Type					
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T			
2.								
3.								
4.								
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) PROFILE #1895270H								
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 14		Year 10
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.:				
Transporter Signature (for exports only):								
16. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Victor L Tracy		Signature <i>Victor L Tracy</i>		Month 6		Day 14		Year 10
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year
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:						
17b. Alternate Facility (or Generator)		U.S. EPA ID Number						
Facility's Phone:								
17c. Signature of Alternate Facility (or Generator)				Month		Day		Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a.								
Printed/Typed Name		Signature <i>BK</i>		Month 6		Day 14		Year 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031707**

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~PAUL TRUCKING 800-767-9365~~
US BULK 1800 642 8910

U.S. EPA ID Number

PA0987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

1. Non RCRA, Non Regulated Solid Waste

10. Containers

No.

Type

001

DT

11. Total
Quantity

22

12. Unit
Wt./Vol.

T

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
PROFILE #1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 14 10

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

Chad Capper

Signature

Chad Capper

Month Day Year

6 14 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Dyers

Signature

Dyers

Month Day Year

6 15 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031708	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name W. J. TRACY KING 800-262-3335 US BULK 18006428910								U.S. EPA ID Number AD987347515	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-860-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) PROFILE#1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 15 10			
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 Victor L TRACY		Signature <i>Victor L Tracy</i>				Month Day Year 6 15 10			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)						Month Day Year			
18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name D. Ayers		Signature <i>D. Ayers</i>				Month Day Year 6 15 10			

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**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of 1
3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number 031709

5. Generator's Name and Mailing Address: **Ravenna Army Ammunition Plant**
3451 State Route 5
Ravenna, Ohio 44266
Generator's Site Address (if different than mailing address):

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name: **U.S. BULK**
330-866-3265
U.S. EPA ID Number: **PA09873475**

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: **Americal Landfill**
7916 Chapel Street
Waynesburg, Ohio 44688
U.S. EPA ID Number:

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. Non RCRA, Non Regulated Solid Waste	001	DT	22	T	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
1. Ravenna Non-Haz SoE (LL12)
PROFILE# 109527CH

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: **Mark Patterson**
Signature: *Mark Patterson*
Month: 6 Day: 15 Year: 10

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: **Robert Richardson**
Signature: *Robert Richardson*
Month: 6 Day: 15 Year: 10
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

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:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: **D. Jones**
Signature: *D. Jones*
Month: 6 Day: 15 Year: 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031710	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 3 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name HAZARDOUS WASTE TRACKING 800-262-9365 US BULK 1800 642-8910			U.S. EPA ID Number PA0987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-866-3265						
9. Waste Shipping Name and Description			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. Non RCRA, Non Regulated Solid Waste			001	DT	22	T
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information L Ravenna Non-Haz Soil (LL12) Profile # 1095270H						
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 Mark Patterson			Signature <i>Mark Patterson</i>		Month 6	Day 15
					Year 10	
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 Chad Capper			Signature <i>Chad Capper</i>		Month 6	Day 15
					Year 10	
Transporter 2 Printed/Typed Name			Signature		Month	Day
					Year	
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:						
17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)					Month	Day
					Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name			Signature <i>BF 6/15/10</i>		Month	Day
					Year	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH15210020736

2. Page 1 of 1
3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number 031711

5. Generator's Name and Mailing Address
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266
Generator's Site Address (if different than mailing address)

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name
~~PAUL TRACY INC 800-262-4365~~
US BULK 800 642 8910

U.S. EPA ID Number
PA0987347515

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. EPA ID Number

Facility's Phone: 330-866-3265
Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
PROFILE #1895270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year
6 15 10

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

Victor L TRACY

Signature

Victor L Tracy

Month Day Year
6 15 10

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

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

Printed/Typed Name

Signature

BK 6/15/10

Month Day Year

DESIGNATED FACILITY TO GENERATOR

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

104

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031712
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)		
Generator's Phone: 330-358-7312					
6. Transporter 1 Company Name US BULK 18006428910			U.S. EPA ID Number PAD90734795		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number		
Facility's Phone: 330-866-3265					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) PROFILE # 1095270H					
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 Mark Patterson			Signature <i>Mark Patterson</i>		Month Day Year 6 15 10
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 Robert Richardson			Signature <i>Robert Richardson</i>		Month Day Year 6 15 10
Transporter 2 Printed/Typed Name			Signature		Month Day Year
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:					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature <i>[Signature]</i>		Month Day Year 6 15 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031713**

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~RS LOGGING 800 362 9365~~
US BULK 800 642-8910

U.S. EPA ID Number

PAD987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-800-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

LT

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
PROFILE# 1095270H

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

Signature

Month Day Year

Mark Patterson
Mark Patt
6 15 10

INT'L

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Chad Copper
Chad Copper
6 15 10

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

Month Day Year

BF 6/15/10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031714	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312								U.S. EPA ID Number	
6. Transporter 1 Company Name RAV TRUCKING 800-262-9365 US BULK 800-642-8910								PAD987347515	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 15 10			
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 Victor L Tracy		Signature <i>Victor L Tracy</i>				Month Day Year 6 15 10			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)		Month Day Year							
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Dyers		Signature <i>Dyers</i>				Month Day Year 6 16 10			

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST1. Generator ID Number
OH52100207362. Page 1 of
13. Emergency Response Phone
330-358-7312

4. Waste Tracking Number 031715

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name
~~R & J TRUCKING 800-262-9365~~
US BULK 800 642-8910U.S. EPA ID Number
PA0987317515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Amencal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-800-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

001

DT

22

T

Non RCRA, Non Regulated Solid Waste

2.

3.

4.

13. Special Handling Instructions and Additional Information

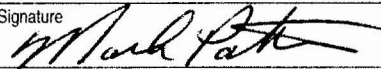
1. Ravenna Non-Haz Soil (LL12)
Profile #1095270H

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

Mark Patterson

Signature



Month Day Year

6 16 10

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Chad Capper

Signature



Month Day Year

6 16 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

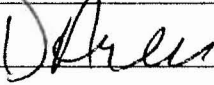
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

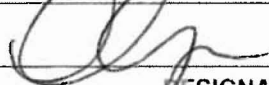
Month Day Year

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

Printed/Typed Name



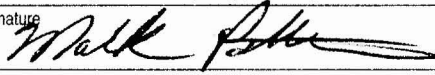
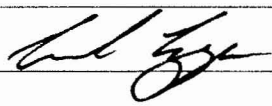
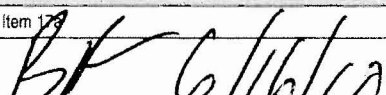
Signature



Month Day Year

6 16 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031716	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312		6. Transporter 1 Company Name R.C. TRUCKING 800-268-2365 US BULK 800-642-8910		U.S. EPA ID Number PA0987347515					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address Americal Landfill 716 Chapel Street Waynesburg, Ohio 44688		Facility's Phone: 330-866-3265		U.S. EPA ID Number					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month Day Year 6 16 10					
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.:					
Transporter Signature (for exports only):									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name VICTOR L TRACY		Signature <i>Victor L Tracy</i>		Month Day Year 6 16 10					
Transporter 2 Printed/Typed Name		Signature		Month Day Year					
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:									
17b. Alternate Facility (or Generator)				U.S. EPA ID Number					
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature <i>SK</i>		Month Day Year 6/16/10					

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031717	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name R.S. TRUCKING 800-362-1305 US BULK 800 642-8910			U.S. EPA ID Number PAD987347515			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-866-3265						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 1095270H						
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 Mark Patterson			Signature 		Month 6	Day 16
					Year 10	
TRANSPORTER	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 Chad Capper			Signature 		Month 6
	Transporter 2 Printed/Typed Name			Signature		Day 16
						Year 10
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:					
	17b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone:					
	17c. Signature of Alternate Facility (or Generator) Month Day Year					
	18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17					
	Printed/Typed Name			Signature 		Month 6
						Day 16
						Year 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031718	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name US BULLIC 800642-8910		U.S. EPA ID Number PAD987347575							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Amersal Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number							
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 16		Year 10	
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 Victor L. Tracy		Signature <i>Victor L. Tracy</i>		Month 6		Day 16		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:									
17b. Alternate Facility (or Generator) U.S. EPA ID Number									
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator) Month Day Year									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a									
Printed/Typed Name		Signature <i>BR 6/16/10</i>		Month 6		Day 16		Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number <u>OH5210020736</u>		2. Page 1 of <u>1</u>		3. Emergency Response Phone <u>330-358-7312</u>		4. Waste Tracking Number 031719	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266 Generator's Phone: <u>330-358-7312</u>							
GENERATOR		6. Transporter 1 Company Name <u>D+D Trucking</u> USDAK 800-642-8910 <u>330-626-4762</u>						U.S. EPA ID Number <u>PA0987317575</u>	
		7. Transporter 2 Company Name						U.S. EPA ID Number	
DESIGNATED FACILITY		8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688 Facility's Phone: <u>330-800-3205</u>						U.S. EPA ID Number	
		9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.	
		1. Non RCRA, Non Regulated Solid Waste		No. 001 Type DT		22		T	
		2.							
		3.							
		4.							
TRANSPORTER		13. Special Handling Instructions and Additional Information I, Ravenna Non-Haz Soil (LL12) <u>Profile #1095270H</u>							
		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 <u>Mark Patterson</u> Signature <u>Mark Patterson</u> Month <u>6</u> Day <u>16</u> Year <u>10</u>							
INT'L		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 <u>Thomas English</u> Signature <u>Thomas English</u> Month <u>6</u> Day <u>16</u> Year <u>10</u> 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: _____							
DESIGNATED FACILITY		17b. Alternate Facility (or Generator)						U.S. EPA ID Number	
		Facility's Phone: _____							
DESIGNATED FACILITY		17c. Signature of Alternate Facility (or Generator)						Month _____ Day _____ Year _____	
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 <u>✓ Dyer</u> Signature <u>[Signature]</u> Month <u>6</u> Day <u>17</u> Year <u>10</u>							

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1	3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031720	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)				
Generator's Phone: 330-358-7312								
6. Transporter 1 Company Name P.E. J. TRUCKING 800-202-9305 US BULK 800 642-8910				U.S. EPA ID Number PAD987347515				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688				U.S. EPA ID Number				
Facility's Phone: 330-866-3265								
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
		No.	Type					
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T			
2.								
3.								
4.								
13. Special Handling Instructions and Additional Information I. Ravenna Non-Haz Soil (LL12) Profile #1495270H								
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month Day Year 6 16 10				
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 Chad Cooper		Signature <i>Chad Cooper</i>		Month Day Year 6 16 10				
Transporter 2 Printed/Typed Name		Signature		Month Day Year				
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:								
17b. Alternate Facility (or Generator)				U.S. EPA ID Number				
Facility's Phone:								
17c. Signature of Alternate Facility (or Generator)				Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a								
Printed/Typed Name D. H. ...		Signature <i>D. H. ...</i>		Month Day Year 6 17 10				

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031721**

5. Generator's Name and Mailing Address
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name
~~R.C. TRUCKING 800-162-9385~~
US BULK 800 642-8910

U.S. EPA ID Number
PAD 98737515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Amencal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-800-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
Profile # 1095270H

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

Signature

Month Day Year

Mark Patterson

Mark Patterson

6 16 10

INT'L

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

VICTOR L. TRACY

Victor L. Tracy

6 16 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Signature

Month Day Year

D. Myers

D. Myers

6 17 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFESTGenerator ID Number
OH52100207362. Page 1 of
13. Emergency Response Phone
330-358-73124. Waste Tracking Number
031722

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

Bernier Trucking

330 343-5812

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Amencal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

1.

Non RCRA, Non Regulated Solid Waste

10. Containers

No.

Type

001

DT

11. Total
Quantity

22

12. Unit
Wt./Vol.

T

13. Special Handling Instructions and Additional Information

I. Ravenna Non-Haz Soil (LL12)

Profile #10952704

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 17 10

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

Josh Gurn

Signature

Josh Gurn

Month Day Year

6 17 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

D. H. H. H.

Signature

D. H. H. H.

Month Day Year

6 17 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031723**

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~B. & L. TRUCKING 800-262-9365~~

Berner Trucking

330 343 5812

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
Profile # 1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 17 10

INT'L

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Bruce Parson

Signature

Bruce Parson

Month Day Year

6 17 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

D. J. ...

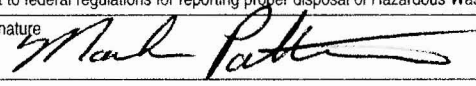
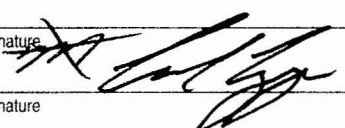
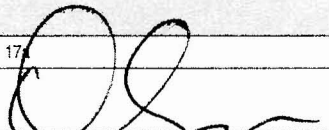
Signature

D. J. ...

Month Day Year

6 17 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031724	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266						Generator's Site Address (if different than mailing address)	
Generator's Phone: 330-358-7312		6. Transporter 1 Company Name R.A. TRUCKING 800-262-4365 US BULK 8006428910						U.S. EPA ID Number PAD987347515	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information I. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 17		Year 10	
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 Victor L TRACY		Signature <i>Victor L Tracy</i>		Month 6		Day 17		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month 6		Day		Year	
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:									
17b. Alternate Facility (or Generator) U.S. EPA ID Number									
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator) Month Day Year									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature BF		Month 6		Day 17		Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031725
5. Generator's Name and Mailing Address: Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312					
6. Transporter 1 Company Name US BULK 800 642 8910		U.S. EPA ID Number PAD987347515			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number			
Facility's Phone: 330-866-3265					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information L. Ravenna Non-Haz Soil (LL12) Profile #10952704					
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 Mark Patterson		Signature 		Month Day Year 6 17 10	
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 Chad Capper		Signature 		Month Day Year 6 17 10	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
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:					
17b. Alternate Facility (or Generator)		U.S. EPA ID Number			
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)		Month Day Year			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17					
Printed/Typed Name D. Sykes		Signature 		Month Day Year 6 17 10	

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031726	
	5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
	Generator's Phone: 330-358-7312						
	6. Transporter 1 Company Name R. B. J. TRUCKING 800 263 0365 DHD Trucking 330 348-1180			U.S. EPA ID Number			
	7. Transporter 2 Company Name			U.S. EPA ID Number			
	8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
	Facility's Phone: 330-866-3265						
	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
			No.	Type			
	1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T	
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) 03726 109570H							
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 Mark Patterson			Signature Mark Patterson		Month Day Year 6 17 10		
TRANSPORTER INT'L	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	Transporter 1 Printed/Typed Name Tom Engest		Signature Tom Engest		Month Day Year 6 17 10		
	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:						
	17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
	Facility's Phone:						
17c. Signature of Alternate Facility (or Generator)			Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a							
Printed/Typed Name D. H. ...			Signature D. H. ...		Month Day Year 6 17 10		

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031727	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312								U.S. EPA ID Number 1	
6. Transporter 1 Company Name Berner Trucking 330-343-5812								U.S. EPA ID Number	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Wynessburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-800-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (I.L.12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 17 10			
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 Dash Gunn		Signature <i>Dash Gunn</i>				Month Day Year 6 17 10			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)		Month Day Year							
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature <i>BK</i>				Month Day Year 6/17/10			

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

OH5210020736

2. Page 1 of

1

3. Emergency Response Phone

330-358-7312

4. Waste Tracking Number

031728

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

R & T TRUCKING 800-262-9365

Berner Trucking

330 343 5812

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

1.

Non RCRA, Non Regulated Solid Waste

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

001

DT

22

T

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

Profile # 1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 17 10

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

Bruce Parson

Signature

Bruce Parson

Month Day Year

6 17 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

BF 6/17/10

Month Day Year

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031729	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name R & T PLOUERING 800-262-9765 USBUK 800 642-8910		U.S. EPA ID Number PAD487347575							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Americol Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number							
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 17 10			
INT'L	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.: _____						
	Transporter Signature (for exports only):								
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name VICTOR L TRACY		Signature <i>Victor L Tracy</i>				Month Day Year 6 17 10		
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: _____								
	17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____								
Facility's Phone: _____									
17c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____									
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17.									
Printed/Typed Name		Signature <i>BK</i>				Month Day Year 6/17/10			

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031730	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name US BULK 800 642 8910		U.S. EPA ID Number PAD987347515							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Amesland Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number							
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 17		Year 10	
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.:					
Transporter Signature (for exports only):									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Chad Copper		Signature <i>Chad Copper</i>		Month 6		Day 17		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:							
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month		Day		Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17.									
Printed/Typed Name		Signature <i>BP</i>		Month 6		Day 17		Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031731
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)		
Generator's Phone: 330-358-7312					
6. Transporter 1 Company Name R & I TRUCKING 800-262-9365 D&D Trucking 330-626-4762				U.S. EPA ID Number	
7. Transporter 2 Company Name				U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688				U.S. EPA ID Number	
Facility's Phone: 330-806-3265					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile#1095270H					
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 Mark Patterson			Signature <i>Mark Patterson</i>	Month 6	Day 17
				Year 10	
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 Tom English			Signature <i>Tom English</i>	Month 6	Day 17
Transporter 2 Printed/Typed Name			Signature	Year 10	
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:					
17b. Alternate Facility (or Generator)				U.S. EPA ID Number	
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month	Day
				Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name D. Dyers			Signature <i>D. Dyers</i>	Month 8	Day 18
				Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031732	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312							
6. Transporter 1 Company Name R & J TRUCKING 800-262-9365 Berner Trucking #463 330 343-5812						U.S. EPA ID Number	
7. Transporter 2 Company Name						U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688						U.S. EPA ID Number	
Facility's Phone: 330-866-3265							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
		No.	Type				
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T		
2.							
3.							
4.							
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 109 52704							
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 Mark Patterson		Signature 		Month 6		Day Year 17 10	
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 John Gunn		Signature 		Month Day Year 6 17 10	
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
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			
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			
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a							
Printed/Typed Name		Signature BF 6/17/10		Month Day Year			

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031733	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name Berner Trucking #419 330-343-5812		U.S. EPA ID Number							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Amesland Landfill 7916 Chapel Street Waynesburg, Ohio 44688		U.S. EPA ID Number							
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information I. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 17 10			
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 Bruce Parns		Signature <i>Bruce Parns</i>				Month Day Year 6 17 10			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)		Month Day Year							
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature <i>HW</i>				Month Day Year 6/17/10			

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

OH5210020736

2. Page 1 of

1

3. Emergency Response Phone

330-358-7312

4. Waste Tracking Number

031734

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

P. & L. TRUCKING 800-262-9365

U.S. EPA ID Number

FAD987347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1.

001

DT

22

T

Non RCRA, Non Regulated Solid Waste

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

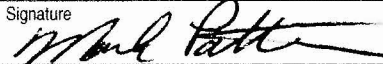
Profile #1095270H

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

Mark Patterson

Signature



Month Day Year

6 17 10

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

Victor L. TRACY

Signature



Month Day Year

6 17 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

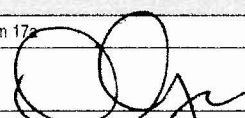
Month Day Year

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

Printed/Typed Name

D. Allen

Signature



Month Day Year

6 18 10

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of 1
3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031735**

5. Generator's Name and Mailing Address
Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name ~~B. S. I. TRUCKING 800-262-9365~~
Berner Trucking #463 330 343 5812

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone: 330-866-3205
Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1. Non RCRA, Non Regulated Solid Waste

001

DT

22

T

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
Profile #1095270H

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

Signature

Month Day Year

Mark Patterson

Mark Patterson

6 18 10

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

Signature

Month Day Year

Josh Gunn

Josh Gunn

6 18 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Printed/Typed Name

Signature

Month Day Year

D. Myers

D. Myers

6 18 10

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031736	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266 Generator's Phone: 330-358-7312							
GENERATOR		6. Transporter 1 Company Name Berner Trucking #419 330-343-5812						U.S. EPA ID Number	
		7. Transporter 2 Company Name						U.S. EPA ID Number	
DESIGNATED FACILITY		8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688 Facility's Phone: 330-866-3265						U.S. EPA ID Number	
		9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
No.	Type								
TRANSPORTER		1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T		
		2.							
		3.							
		4.							
INT'L		13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H							
		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: Mark Patterson Signature: <i>Mark Patterson</i> Month: 6 Day: 18 Year: 10							
TRANSPORTER		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.: _____ Transporter Signature (for exports only): _____							
		16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Bruce Parson Signature: <i>Bruce Parson</i> Month: 6 Day: 18 Year: 10 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: _____							
		17b. Alternate Facility (or Generator) U.S. EPA ID Number: _____ Facility's Phone: _____ 17c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____							
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: D Allen Signature: <i>D Allen</i> Month: 6 Day: 18 Year: 10							
		DESIGNATED FACILITY TO GENERATOR							

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031737	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312								U.S. EPA ID Number	
6. Transporter 1 Company Name US BULK 800 642-8910 #169								PAD987347515	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Amencal Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 18		Year 10	
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 Chad Capper		Signature <i>Chad Capper</i>		Month 6		Day 18		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month		Day		Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature BF 6-18-10		Month		Day		Year	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031738	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312								U.S. EPA ID Number	
6. Transporter 1 Company Name W S BULK #178 800 642-8910								PAD987347575	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americai Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		T			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #109527CH									
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/Offor's Printed/Typed Name Mark Patterson		Signature <i>Mark Patterson</i>				Month Day Year 6 18 10			
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 Victor L TRACY		Signature <i>Victor L Tracy</i>				Month Day Year 6 18 10			
Transporter 2 Printed/Typed Name		Signature				Month Day Year			
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)		Month Day Year							
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature BR 6/18/10				Month Day Year			

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031739	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name R & I TRUCKING 800-262-9305 D&D Trucking #1 330 626 4762								U.S. EPA ID Number	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.				
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T				
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 18		Year 10	
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 Tom English H		Signature <i>Tom English</i>		Month 6		Day 18		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)								Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature <i>HR 6/18/10</i>		Month 6		Day 18		Year 10	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031740	
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)					
Generator's Phone: 330-358-7312									
6. Transporter 1 Company Name R & L TRUCKING 800-262-9365 Berner Trucking 330 343 5812								U.S. EPA ID Number	
7. Transporter 2 Company Name								U.S. EPA ID Number	
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688								U.S. EPA ID Number	
Facility's Phone: 330-866-3265									
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No.	Type						
1. Non RCRA, Non Regulated Solid Waste		001	DT	22		F			
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile # 1095270H									
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 Mark Patterson		Signature <i>Mark Patterson</i>		Month 6		Day 18		Year 10	
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 Josh Gunn		Signature <i>Josh Gunn</i>		Month 6		Day 18		Year 10	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
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:									
17b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)				Month		Day		Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name		Signature <i>BR 6/18/10</i>		Month 6		Day 18		Year 10	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031741**

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~R & J TRUCKING 330-363-0265~~
Berner Trucking 330-343-5812

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Americal Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

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2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)

Profile #1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 18 10

INT'L

15. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Bruce Pearson

Signature

Bruce Pearson

Month Day Year

6 18 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

D Myers

Signature

D Myers

Month Day Year

6 18 10

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH15210020736		2. Page 1 of 1		3. Emergency Response Phone 330-358-7312		4. Waste Tracking Number 031742			
		5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266		Generator's Site Address (if different than mailing address)							
Generator's Phone: 330-358-7312		6. Transporter 1 Company Name US BULK 800 642-8910 #178		U.S. EPA ID Number PA0987347575							
7. Transporter 2 Company Name				U.S. EPA ID Number							
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688		Facility's Phone: 330-866-3265		U.S. EPA ID Number							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.						
		No.	Type								
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T						
2.											
3.											
4.											
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270A											
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 Mark Patterson				Signature <i>Mark Patterson</i>		Month 6		Day 18		Year 10	
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 Victor L Tracy				Signature <i>Victor L Tracy</i>		Month 6		Day 18		Year 10	
Transporter 2 Printed/Typed Name				Signature		Month		Day		Year	
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:											
17b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:											
17c. Signature of Alternate Facility (or Generator) Month Day Year											
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a											
Printed/Typed Name				Signature <i>hvk</i>		Month 6		Day 18		Year 10	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number
OH5210020736

2. Page 1 of
1

3. Emergency Response Phone
330-358-7312

4. Waste Tracking Number **031743**

5. Generator's Name and Mailing Address

Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna, Ohio 44266

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

Generator's Phone: 330-358-7312

6. Transporter 1 Company Name

~~R & J TRUCKING 800-262-8365~~
US BULK #169 800642-8910

U.S. EPA ID Number

PAD9B7347515

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Amenical Landfill
7916 Chapel Street
Waynesburg, Ohio 44688

U.S. EPA ID Number

Facility's Phone: 330-866-3265

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

1.

Non RCRA, Non Regulated Solid Waste

001

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

1. Ravenna Non-Haz Soil (LL12)
Profile # 1095270H

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

Mark Patterson

Signature

Mark Patterson

Month Day Year

6 18 10

INT'L

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Chad Capper

Signature

Chad Capper

Month Day Year

6 18 10

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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

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

Signature

SK

6/18/10

Month Day Year

200818

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 330-358-7312	4. Waste Tracking Number 031744	
5. Generator's Name and Mailing Address Ravenna Army Ammunition Plant 8451 State Route 5 Ravenna, Ohio 44266			Generator's Site Address (if different than mailing address)			
Generator's Phone: 330-358-7312						
6. Transporter 1 Company Name R & J TRUCKING 800-267-7365 Berner Trucking #419 330 343 5812			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Americal Landfill 7916 Chapel Street Waynesburg, Ohio 44688			U.S. EPA ID Number			
Facility's Phone: 330-866-3265						
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
		No.	Type			
1. Non RCRA, Non Regulated Solid Waste		001	DT	22	T	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 1. Ravenna Non-Haz Soil (LL12) Profile #1095270H						
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 Mark Patterson			Signature 		Month Day Year 6 18 10	
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 Bruce Parson			Signature 		Month Day Year 6 18 10	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
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:						
17b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator) Month Day Year						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name D. Jones			Signature 		Month Day Year 6 21 10	

PRELIMINARY DRAFT REMEDIAL ACTION REPORT FOR THE RVAAP-12 LOAD LINE 12
RAVENNA ARMY AMMUNITION PLANT, RAVENNA OHIO
COMMENT RESPONSE TABLE
AUGUST 3, 2010

Page 1 of 1

Comment Number	Page or Sheet	New Page or Sheet	Comment	Recommendation	Response
<i>USACE - Louisville (Thomas M. Chanda)</i>					
A-1	Page iii Line 15 TOC	Page iii Figure 5-1 Page 5-5	The TOC's Figure 5-1 title does coincide with Fig. 5-1's title block on Page 5-5. The reader is not sure the drawing on Page 5-5 is the correct one based on the title specified within the TOC	Revise either the TOC, Drawing Title Block, and/or Drawing	Agree. The title block will be changed to what is stated in the table of contents.
A-2	Appendix D Last Page Manifest Log	N/A	Last log entry Disposal Date 6/21/2010 - The transporter (Berner Trucking) was loaded/outbound on 6/18/10; a difference of when the material was loaded and when it was off-loaded at the landfill facility. Being that the other 53 loads of soil all were transferred within a day and there's no mention within the notes column; what reason was provided to the delay in disposal? Was the truck stored in a secured area during that 3-days interim?	Please explain.	Comment acknowledged. This truck was loaded at the end of the day on Friday and was unable to get to the landfill before landfill closing time. The truck was parked in a secured area that had 24-hour surveillance until disposal at the landfill on the following Monday. No text change recommended.
A-3	General	N/A		When preparing a manifest log in the future it would be more convenient to the reader if the columns were in chronological order; e.g. placing the "date of generation" column before the "Disposal Date" Column. Also, it would be a benefit if there were a column sequentially numbering each load e.g. 1 thru 54	Comment acknowledged. Please note that this form provided by the RVAAP Operations and Maintenance contractor. The sequence in which the data is reported is based on the Manifest Document No., which is the same as when the truck exited the area of concern. No text change recommended.

Additional notes: Ohio EPA and OHARNG did not have comments on the Preliminary Draft Remedial Action Report. All stakeholders agree that once the comments are resolved, SAIC can issue a Final Remedial Action Report for review/approval.