FINAL

REMEDIAL ACTION COMPLETION REPORT

NON TIME-CRITICAL REMOVAL ACTION FOR CC RVAAP-78 QUARRY POND SURFACE DUMP, RAVENNA ARMY AMMUNITION PLANT RESTORATION PROGRAM, CAMP JAMES A. GARFIELD

PORTAGE AND TRUMBULL COUNTIES, OHIO

Contract No. W912QR-12-D-0006
Delivery Order No. W912QR19F0901

Prepared for:

US Army Corps of Engineers, Louisville District
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PARS Project No. 895-35

APRIL 13, 2021

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This Final Remedial Action Completion Report was developed to describe the remedial activities performed at Quarry Pond Surface Dump as part of the Former Ravenna Army Ammunition Plant Restoration Program, as described in the Engineering Evaluation/Cost Analysis (EE/CA) (USACE, September 2019).

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Ohio Environmental Protection Agency

Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

May 17, 2021

RE: US Army Ravenna Ammunition
Remediation Response
Project Records
Remedial Response
Portage County
267000859216

Transmitted Electronically

Kevin M. Sedlak
Army National Guard
Installations & Environment Cleanup Branch IPA Designation
1438 State Route 534 SW
Newton Falls, OH 44444

Subject: Review of Final Remedial Action Completion Report for CC RVAAP-78 Quarry Pond Surface Dump

Dear Mr. Sedlak:

The Ohio Environmental Protection Agency (Ohio EPA) Northeast District Office (NEDO) Division of Environmental Response and Revitalization (DERR) has reviewed Final Remedial Action Completion Report for CC RVAAP-78 Quarry Pond Surface Dump dated April 15, 2021.

Ohio EPA approves the document.

As a precautionary response to COVID-19, Ohio EPA is currently operating with most staff working remotely. During this time, we will not be issuing hard-copy mail. This letter is an official response from Ohio EPA that will be maintained as a public record.

If you have any questions, please feel free to contact me at (330) 963-1170 or by e-mail at ed.damato@epa.ohio.gov.

Sincerely,

Edward J D'Amato

Edward J. D'Amato
Site Coordinator
Division of Environmental Response and Revitalization

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CONTRACTOR STATEMENT OF TECHNICAL REVIEW

The PARS-Gannett Fleming Joint Venture (JV) has completed the Final Remedial Action Completion Report (RACR) for the Non Time-Critical Removal Action (NTCRA) for CC RVAAP-78 Quarry Pond Surface Dump as part of the Ravenna Army Ammunition Plant (RVAAP) Restoration Program at Camp James A. Garfield (CJAG), in Portage and Trumbull Counties, Ohio. Notice is hereby given that an independent technical review (ITR) has been conducted that is appropriate to the level of risk and complexity inherent in the project. All comments resulting from the ITR have been resolved and incorporated into the document. During the ITR, compliance with established policy principles and procedures was verified.

_____ 04/13/2021

Hunter Blair, PMP, ITR Team Leader

_____ 04/13/2021

Cody Postlethwait, PMP, Project Manager

CONTRACTOR CERTIFICATION OF INDEPENDENT TECHNICAL REVIEW

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

No major technical concerns were identified during the ITR.

_____ 04/13/2021

Constantine Tsentas, PG, Program Manager, Contractor

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Ohio EPA DERR = Ohio Environmental Protection Agency, Division of Environmental Response and Revitalization
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ARNG = Army National Guard
OHARNG = Ohio Army National Guard
REIMS = Ravenna Environmental Information Management System
USACE = United States Army Corps of Engineers

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LIST OF ACRONYMS

ACM	Asbestos Containing Material
AOC	Area of Concern
ARNG	Army National Guard
bgs	Below Ground Surface
CAHAS	Certified Asbestos Hazard Abatement Specialist
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CJAG	Camp James A. Garfield
DFFO	Director's Final Findings & Orders
DoD	Department of Defense
DPW	Department of Public Works
DU	Decision Unit
EE/CA	Engineering Evaluation/Cost Analysis
FBQ	Fuze and Booster Quarry
FCR	Field Change Request
ft	Foot/Feet
GPS	Global Positioning System
ISM	Incremental Sampling Methodology
ITR	Independent Technical Review
JV	PARS-Gannett Fleming Joint Venture
MCCTC	Maximum Concentration of Contaminants for Toxicity Characteristic
NTCRA	Non Time-Critical Removal Action
OHARNG	Ohio Army National Guard
Ohio EPA	Ohio Environmental Protection Agency
PCB	Polychlorinated Biphenyl
pH	Potential of Hydrogen
PPE	Personal Protective Equipment
PWS	Performance Work Statement
QPSD	Quarry Pond Surface Dump
QSM	Quality System Manual
RACR	Removal Action Completion Report
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RVAAP	Ravenna Army Ammunition Plant
sf	Square Foot
SI	Site Inspection
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
THQ	Target Hazard Quotient
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The United States Army Corps of Engineers (USACE) Louisville District has selected the PARS – Gannett Fleming Joint Venture (the JV) to perform a Non Time-Critical Removal Action (NTCRA) at CC RVAAP-78 Quarry Pond Surface Dump (QPSD) at the former Ravenna Army Ammunition Plant (RVAAP) [now known as Camp James A. Garfield (CJAG)] in Portage and Trumbull Counties, Ohio (Figure 1), herein referred to as the "Site". The project tasks were performed in accordance with: (a) the Performance Work Statement (PWS) prepared by the USACE and dated July 23, 2019, including Amendments 01 (August 29, 2019) and 02 (September 3, 2019) and Modification P00001 (May 22, 2020), Contract No. W912QR-12-D-0006, Delivery Order No. W912QR19F0901; and (b) the *Final Work Plan Non Time-Critical Removal Action for CC RVAAP-78, Quarry Pond Surface Dump, Ravenna Army Ammunition Plant Restoration Program, Camp James A. Garfield, Portage and Trumbull Counties, Ohio* prepared by the JV and dated April 28, 2020.

As a result of historic dumping at the Site, construction debris with asbestos-containing material (ACM) and associated asbestos impacted soil required removal from the Site to protect human health and the environment. As documented in the 2016 Final Revised Site Investigation (SI) (USACE), three debris piles (Debris Piles A, B and C) were identified at the Site. The objective of the NTCRA was to execute the recommended removal action alternative identified in the Engineering Evaluation/Cost Analysis (EE/CA) (USACE, 2019), which included the removal and off-site disposal of Debris Piles A, B and C, in addition to asbestos impacted soils associated with soil samples TP-5 and C78SB-021M-0001-SO (sample location identification 78-QPSD-DU2-SB5) at the Site.

The NTCRA was performed between July 28 and August 7, 2020. In general, these activities did not constitute an abatement project, however, per the substantive requirements of Title 37, Chapter 3710 of the Ohio Revised Code a Certified Asbestos Hazard Abatement Specialist (CAHAS) [Mr. Vance Ross of A&T Environmental (Certification Number AS32373)], was present during ACM and asbestos impacted soil removal. Under the oversight of a CAHAS, debris was wetted with water to prevent fugitive dust and then loaded via excavator or front-end loader into trucks double-lined with a 6-mil polyethylene liner. Prior to payloads leaving the Site, liners were sealed by a certified asbestos handler. Following removal, the limits of Debris Piles A and B were visually inspected and residual asbestos debris was collected in a bucket and consolidated with the waste stream. As ACM was observed buried beneath and outside of the limits of Debris Pile C, visual inspection was limited to ensuring that excavated ACM was properly loaded and disposed.

Debris Pile A and soil sample TP-5

Approximately 768 tons of debris and soil were removed from Debris Pile A and disposed off-site as asbestos waste at a licensed asbestos landfill. The footprint of the former debris pile covered an area of approximately 18,000 square feet (sf). A 10 x 10-feet (ft) area around soil sample location TP-5 was excavated to bedrock, which was encountered at one ft below ground surface (bgs), and approximately 5 tons of soil was removed. As bedrock was encountered at the base of the excavation a soil sample was not collected. Following removal activities, the CAHAS inspected the footprint of Debris Pile A and the 10 x 10-ft excavation at soil sample location TP-5. No asbestos debris was identified and the CAHAS provided a *Certificate of Visual Inspection* for completion of asbestos abatement.

Debris Pile B

Approximately 295 tons of debris and soil were removed from Debris Pile B and disposed off-site as asbestos waste at a licensed asbestos landfill. The footprint of the former debris pile covered an area of approximately 10,500 sf. Following removal activities, the CAHAS inspected the footprint of Debris Pile B. No asbestos debris was identified and the CAHAS provided a *Certificate of Visual Inspection* for completion of asbestos abatement.

Debris Pile C and soil sample C78SB-021M-0001-SO

Approximately 640 tons of debris and asbestos impacted soil were removed from Debris Pile C and disposed offsite as asbestos waste at a licensed asbestos landfill. During removal, the JV excavated asbestos impacted soil to approximately 13 ft bgs at the southwest corner of sample C78SB-021M-0001-SO and ACM was still observed at the base of the excavation. In an attempt to find the southern limits of the debris pile, the JV continued to excavate approximately 15 ft to the south of the soil excavation limits proposed in the Final Work Plan (the JV, 2020). ACM was observed between 3 to 8 ft bgs in all three of the excavation sidewalls, indicating that asbestos impacts continue to the east, west and south of the limits indicated in the EE/CA (USACE, 2019) and described in the Final Work Plan (the JV, 2020). Due to the unknown horizontal and vertical extent of buried asbestos debris, further excavation was not conducted. Additional delineation will be required to determine the extent of buried ACM in Debris Pile C.

Following NTCRA activities, approximately 1,044 tons of backfill were sourced from Oscar Brugmann in Mantua, Ohio, to fill the open excavation in Debris Pile C (approximately 640 tons) and restore the grades at former Debris Piles A and B to neighboring contours for positive drainage (a total of approximately 404 tons). Restored grades were covered with a germination blanket and seeded according to specifications described in the OHARNG *Environmental Procedures* (2018) for areas not regularly mowed.

On October 14, 2020, the JV and the ARNG Project Manager performed a Site walkthrough to confirm Site restoration was properly completed (including 70% vegetative growth) and erosion controls were removed.

1.0 INTRODUCTION

The United States Army Corps of Engineers (USACE) Louisville District has selected the PARS – Gannett Fleming Joint Venture (JV) to perform a Non Time-Critical Removal Action (NTCRA) at CC RVAAP-78 Quarry Pond Surface Dump (QPSD) at the former Ravenna Army Ammunition Plant (RVAAP) [now known as Camp James A. Garfield (CJAG)] in Portage and Trumbull Counties, Ohio (Figure 1), herein referred to as the "Site". The project tasks were performed in accordance with: (a) the Performance Work Statement (PWS) prepared by the USACE and dated July 23, 2019, including Amendments 01 (August 29, 2019) and 02 (September 3, 2019) and Modification P00001 (May 22, 2020), Contract No. W912QR-12-D-0006, Delivery Order No. W912QR19F0901; and (b) the *Final Work Plan Non Time-Critical Removal Action for CC RVAAP-78, Quarry Pond Surface Dump, Ravenna Army Ammunition Plant Restoration Program, Camp James A. Garfield, Portage and Trumbull Counties, Ohio* prepared by the JV and dated April 28, 2020.

Construction debris with asbestos-containing material (ACM) and asbestos-impacted soil required removal to protect human health and the environment at the Site. The contamination was the result of historic dumping of construction debris at the Site. This Remedial Action Completion Report (RACR) has been prepared to document field activities, sample results and quality assurance/quality control (QA/QC) activities. A Facility Location Map and Site Location Map are included as Figures 1 and 2, respectively.

2.0 SITE BACKGROUND

2.1 SITE HISTORY

The installation was formerly known as the RVAAP. Production activities at RVAAP included loading, assembling and packaging explosive munitions. Administrative control of the facility (21,683 acres) was later transferred to the U.S. Property and Fiscal Officer for Ohio and subsequently licensed to Ohio Army National Guard (OHARNG) for use as a military training site. The RVAAP Installation Restoration Program (IRP), managed by the Army National Guard (ARNG) and the OHARNG, encompasses investigation and cleanup of past activities over the entire 21,683 acres of the former RVAAP. Restoration program activities are conducted in accordance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). Director's Final Findings and Orders (DFFOs) between the Army and Ohio Environmental Protection Agency (Ohio EPA) were memorialized for the RVAAP Restoration Program in June 2004. The DFFOs acknowledge the Army's responsibility to address the site under CERCLA/National Contingency Plan (NCP).

The fuze booster quarry (FBQ) was used as a burning area for explosive-contaminated sawdust for Load Lines 6 and 11 from 1945-1949 (SAIC, 1996). Additionally, historic operational information indicated fuze and booster assemblies, projectiles, residual ash and sanitary wastes were burned or dumped in the quarry prior to pond construction. In 1976, three settling ponds were constructed, separated by two earthen dams, with flow control gates for treating the spent brine regenerant and sand filtration backwash water from the Water Works 3 treatment plant that treated groundwater from facility production wells (1976-1993). As the three settling ponds were being constructed, debris was removed from the quarry bottom and transferred to the Ramsdell Quarry Landfill or one of the other burning grounds. In 1998, the RVAAP-16 Area of Concern (AOC) was expanded to include the quarry vicinity, the eleven former settling ponds/depressions and drainage conveyances and a debris pile north of the quarry. Following completion of investigation and remediation of the FBQ, three additional debris piles (Debris Piles A, B and C) were encountered. These three debris piles were determined to warrant environmental consideration. They now constitute CC RVAAP-78 Quarry Pond Surface Dump, a separate Site from the FBQ.

CC RVAAP-78 Quarry Pond Surface Dump is located in the southwestern portion of the facility, just north of RVAAP-16, north of Fuze and Booster Road. The Site consists of three areas of former dumping shown on Figure 3. Two of the former dumping areas, Debris Piles A and B, are at the base of steeply inclined rock slopes. The third area of dumping, Debris Pile C, is more level and is adjacent to the northwest end of the northern-most pond within RVAAP-16. Aerial photographs from 1951 and 1952 show CC RVAAP-78 being used as a dump. Aerial photographs from 1966, 1979 and 1981 show less vegetation in the area northeast of the northern-most pond than what was observed during site reconnaissance. Historical aerial photographs of CC RVAAP-78 are included in Appendix A.

2.2 ENVIRONMENTAL SETTING

2.2.1 Topography and Drainage

CJAG is located within the Southern New York Section of the Appalachian Plateaus physiographic province. This province is characterized by elevated uplands underlain primarily by Mississippian and Pennsylvanian age bedrock units that are horizontal or gently dipping. The province is characterized by its rolling topography with incised streams having dendritic drainage patterns.

The Southern New York Section has been modified by glaciation that rounded ridges, filled major valleys and blanketed many areas with glacially derived unconsolidated deposits (sand, gravel and finer-grained outwash deposits). As a result of glacial activity in this section, old stream drainage patterns were disrupted in many locales, and extensive wetland areas developed.

2.2.2 Geology

Bedrock at CJAG is overlain by deposits of the Wisconsin-age Lavery Till in the western third of the facility and the younger Hiram Till and associated outwash deposits in the eastern two-thirds of the facility. Unconsolidated glacial deposits vary considerably in their character and thickness across CJAG, ranging from absent to less than one foot in some of the eastern portions of the facility to an estimated 150 feet (ft) in the south-central portion (SAIC 2011).

Thin coverings of glacial material have been completely removed as a consequence of human activities at locations such as Ramsdell Quarry. Bedrock is present at or near the ground surface in locations such as at Load Line 1 and the Erie Burning Grounds. Where this glacial material is present, its distribution and character indicate its origin as ground moraine. These tills consist of laterally discontinuous assemblages of yellow-brown, brown and gray silty clays to clayey silts with sand and rock fragments. Lacustrine sediment from bodies of glacial-age standing water has also been encountered in the form of deposits of uniform light gray silt greater than 50 ft thick in some areas.

Soil at CJAG is generally derived from the Wisconsin-age silty clay glacial till. Distributions of soil types are discussed and mapped in the U.S. Department of Agriculture's *Soil Survey of Portage County, Ohio*, which describes soil as nearly level to gently sloping and poor to moderately well drained. Much of the native soil at CJAG was disturbed during construction activities in former production and operational areas of the facility.

The Sharon Member of the Pennsylvanian Pottsville Formation is the primary bedrock beneath CJAG. In the western half of the facility, the upper members of the Pottsville Formation, including Massillon Sandstone, Mercer Shale and uppermost Homewood Sandstone, have been found. The regional dip of the Pottsville Formation measured in the western portion of CJAG is 5.0 to 11.5 ft per mile to the south (SAIC 2011).

2.2.3 Hydrogeology

Sand and gravel aquifers are present in the buried-valley and outwash deposits in Portage County (SAIC 2012). Generally, these saturated zones are too thin and localized to provide large quantities of water for industrial or public water supplies; however, yields are sufficient for residential water supplies.

Lateral continuity of these aquifers is unknown. Recharge of these units is derived from surface water infiltration of precipitation and surface streams. Specific groundwater recharge and discharge areas at CJAG have not been delineated (SAIC 2011).

The thickness of the unconsolidated interval at CJAG ranges from thin to absent in the eastern and northeastern portion of CJAG to an estimated 150 ft in the central portion of the facility. The groundwater table occurs within the unconsolidated zone in many areas of the facility. Because of the heterogeneous nature of the unconsolidated glacial material, groundwater flow patterns are difficult to determine with a high degree of accuracy (SAIC 2011).

2.3 PREVIOUS INVESTIGATIONS

In 2013, Prudent Technologies, Inc. (Prudent) performed a Site Investigation and determined that Debris Pile A contained transite, roofing material, debris from construction, scrap metal and unidentified materials. Debris Pile B included similar materials. Because the depth to rock immediately adjacent to these piles was generally less than 1.0 ft, only surface soil incremental sampling methodology (ISM) sampling was performed. ISM sampling was done immediately adjacent to the piles, not through them to avoid disturbing transite, which was suspected of containing asbestos. Debris Pile C was situated at the northwest end of the northern-most pond and is relatively flat. Miscellaneous fill potentially containing ACM debris was present in Debris Pile C, however no transite materials were observed during the Site Investigation. Because the depth to rock is approximately 5 ft, both surface soil and subsurface soil ISM sampling was conducted in Debris Pile C.

During 2013 field investigations performed as part of the SI (finalized in 2016), discrete samples were collected by Prudent and analyzed for asbestos. Decision Units (DUs) were established to surround each debris pile at a distance of 30 ft in all directions (30-ft perimeter ring around the debris piles) to help establish the extent of the contamination in each pile. Two soil samples, TP-5 and C78SB-021M-0001-SO, contained asbestos. TP5 was collected from a test pit located to the west of Debris Pile A within DU 3 and C78SB-021M-0001-SO was collected from the subsurface soil beneath Debris Pile C (USACE, 2016). The locations of TP-5 and C78SB-021M-0001 are depicted in Figure 3.

The 2016 Final Revised SI (USACE, 2016) determined asbestos debris was present in Debris Piles A and B, and a limited portion (one soil sample location) of Debris Pile C. Substantial amounts of transite and roofing materials that contained approximately 35% asbestos were observed in Debris Piles A and B. Construction debris and rubble were identified in Debris Pile C but no asbestos debris was noted. Accordingly, the SI recommended that a Remedial Investigation (RI) be completed in the area between Debris Piles A and B and the east side of the northern-most pond to determine if any fill materials are present that contain contamination.

The 2019 EE/CA (USACE, 2019) evaluated the alternatives and the preferred remedy for removing debris (including asbestos) and asbestos-contaminated soils at the Site, including a 10 ft x 10 ft area surrounding each of the sampling locations (TP-5 and C78SB-021M-0001-SO) where asbestos was detected during 2013 field activities. The preferred remedy was debris and asbestos-contaminated soils removal with off-Site disposal was selected.

3.0 REMEDIAL ACTION ACTIVITIES

3.1 PREMOBILIZATION ACTIVITIES

Debris Pile limits were surveyed using a handheld Trimble 6000 Series GeoHX global positioning system (GPS) unit. Vegetation in excavation and loading areas was cleared using a feller buncher and overgrown vegetation along the access road was removed using hand tools in February 2020 in accordance with CJAG tree cutting restrictions. Trees, limbs and shrubs were chipped and broadcast throughout the adjacent woodland. Photographs of the clearing activities performed at the Site are included in Appendix B.

3.1.1 Erosion Control

The northern-most Quarry Pond is located near the Site and not considered a managed wetland habitat. Storm water at the Site is conveyed toward Quarry Pond, and erosion controls consisted of run-on and run-off controls. To minimize the threat of soil erosion from runoff, filter socks were installed around the Quarry Pond adjacent to Site. Quarry overburden (i.e. bedrock) to the east of Debris Pile B and to the north, south and east of Debris Pile A acted as natural check dams and minimized run-on. No additional run-on controls were required.

During the NTCRA, the JV conducted daily visual inspections of erosion controls and weekly findings were recorded on the Ohio EPA inspection form. During restoration, erosion controls were inspected weekly, and repaired as needed, until 70% vegetation coverage was achieved. Copies of the completed Ohio EPA inspection forms and corrective action log are included in Appendix C.

3.1.2 Sampling Activities

Waste characterization and backfill sampling activities were performed prior to mobilizing removal action equipment and personnel to the Site. All samples [except discrete samples being analyzed for volatile organic compounds (VOCs)] were collected using a stainless-steel hand auger or hand trowel. Each sample was thoroughly mixed in a clean and sealed polyethylene bag before transfer to a laboratory grade sample container. Discrete samples analyzed for VOCs were collected from undisturbed soil at one of the five composite point locations using an En Core® sampler. Sample containers were filled to the top and sealed with the appropriate cap. Soil on the threads of each container was removed prior to placing the cap on the sample container to assure an air-tight seal. Soil samples were placed in a cooler with ice and delivered to the laboratory under proper chain of custody protocol.

Waste Characterization Sampling

A total of three five-point composite waste characterization samples (WCQP-1, WCQP-2 and WCQP-3) were collected as follows:

- WCQP-1: Four sub-samples were collected from Debris Pile A and one sub-sample was collected from soil sample location TP-5. One discrete sample was also collected from one of the sub-sample locations.

- WCQP-2: Five sub-samples were collected from Debris Pile B. One discrete sample was also collected from one of the sub-sample locations.

- WCQP-3: Four sub-samples were collected from Debris Pile C and one sub-sample was collected from soil sample location C78SB-021M-0001-SO. One discrete sample was also

collected from one of the sub-sample locations.

Composite samples were submitted to Eurofins TestAmerica Laboratory (Eurofins TestAmerica) in Savannah, Georgia and analyzed for Toxicity Characterization Leachate Procedure (TCLP) VOCs via United States Environmental Protection Agency (USEPA) Method 8260B, TCLP semivolatile organic compounds (SVOCs) via USEPA Method 8270D, TCLP Pesticides via USEPA Method 8081B, TCLP herbicides via USEPA Method 8151A, TCLP metals via USEPA Method 6010C, TCLP mercury via USEPA Method 7470A, polychlorinated biphenyls (PCBs) via USEPA Method 8081B/8082A and ignitability via USEPA Method 1030. Discrete samples were analyzed for VOCs using USEPA Method 8260B. No analytes were detected at concentrations that exceeded the Resource Conservation and Recovery Act (RCRA) Maximum Concentration of Contaminants for Toxicity Characteristic (MCCTC) or the Target Hazard Quotient (THQ) of 0.1. Debris Piles A, B and C were classified as special waste – friable asbestos. Waste characterization analytical results are summarized in Table 1 and the laboratory report is included as Appendix D.

Backfill Sampling
To determine if backfill materials needed for restoration could be imported from Oscar Brugmann Sand & Gravel, Inc. (Oscar Brugmann) in Mantua, Ohio, one composite sample (BF200520) was collected and submitted to Eurofins TestAmerica in Savannah, Georgia. The sample was analyzed for target compound list (TCL) VOCs via USEPA Method 8260B, TCL SVOCs via USEPA Method 8270D, TCL pesticides via USEPA Method 8081B, PCBs via USEPA Method 8082A, nitroglycerine via USEPA Method 8330B, explosives and nitro-guanidine via USEPA Method 8330, nitrocellulose using Method WS-WC-0050, target analyte list (TAL) metals via USEPA Method 6010C and 7471B (mercury) and potential of hydrogen (pH) using USEPA Method 9045D. No analytes were detected at concentrations that exceeded the THQ of 0.1 or the CJAG facility-wide standards for import material. Backfill analytical results are summarized in Table 2 and the laboratory report is included in Appendix E.

Backfill analytical results were submitted to the Ohio EPA in Field Change Request (FCR) 3 and approved for use on June 22, 2020. A copy of the approved FCR 3 is included in Appendix F.

3.1.3 Ohio EPA 15-Day Field Notification and Asbestos Notification
In accordance with the DFFOs, a 15-Day Field Notification was sent to the Ohio EPA on June 27, 2020 to indicate that the JV would be starting field work during the week of July 20, 2020. In accordance with the Ohio EPA regulations, a *Notification of Demolition and Renovation/Abatement* and *Notification Fee Worksheet* was submitted to the Ohio EPA on July 13, 2020, ten days prior to commencement of field excavation activities. A hardcopy of the 15-Day Field Notification and the *Notification of Demolition and Renovation/Abatement* is included in Appendix F.

3.2 MOBILIZATION AND SITE PREPARATION
Prior to mobilization a utility clearance was obtained from the facility's Department of Public Works (DPW). No known utilities were identified at the Site.

3.2.1 Haul Road Improvements
Prior to initiating removal activities, the existing haul road of the preferred transportation route was regraded and approximately 930 tons of number 3 crushed sandstone was imported to maintain and stabilize the existing haul road, construct a loading area adjacent to each of the debris piles and develop a hardened construction entrance. Road improvements and the construction of

loading areas prevented trucks from coming in direct contact with soils at the Site and during transit. The haul road and constructed loading areas were maintained during all project phases.

3.2.2 Hazardous Materials Storage

To accommodate the fuel consumption needs of the heavy machinery being used to complete this NTCRA, a fuel tank was mobilized to the Site for #2 fuel storage. The fuel storage tank was never filled more than 95% of its capacity and was stored within a 110% capacity containment dike during all onsite activities. The tank was visually inspected daily and weekly findings were documented in the CJAG *Liquid Storage in Aboveground Storage Tanks (55 gallons or greater)* form. Completed CJAG *Liquid Storage in Aboveground Storage Tanks (55 gallons or greater)* are provided in Appendix G.

No other Hazardous Materials were brought onsite during this project.

3.3 DEBRIS AND SOIL REMOVAL

The NTCRA was performed between July 28 and August 7, 2020. In general, these activities did not constitute an abatement project, however, per the substantive requirements of Title 37, Chapter 3710 of the Ohio Revised Code a Certified Asbestos Hazard Abatement Specialist (CAHAS) [Mr. Vance Ross of A&T Environmental (Certification Number AS32373)], was present during ACM and asbestos impacted soil removal. Under the oversight of a CAHAS, debris was wetted with water to prevent fugitive dust and then loaded via excavator or front-end loader into trucks double-lined with a 6-mil polyethylene liner. Prior to payloads leaving the Site, liners were sealed by a certified asbestos handler. Following removal, the limits of Debris Piles A and B were visually inspected and residual asbestos debris was collected in a bucket and consolidated with the waste stream. As ACM was observed buried beneath and outside of the limits of Debris Pile C, visual inspection was limited to ensuring that excavated ACM was properly loaded and disposed. Photographs of the NTCRA activities are included in Appendix B. Daily construction reports are included in Appendix H.

Debris Pile A and soil sample TP-5

Approximately 768 tons of debris and soil from debris removal were removed from Debris Pile A and disposed off-site as asbestos waste at a licensed asbestos landfill. The footprint of the former debris pile covered an area of approximately 18,000 square feet (sf). A 10 x 10-feet (ft) area around soil sample location TP-5 was excavated to bedrock, which was encountered at one ft below ground surface (bgs), and approximately 5 tons of soil was removed. As bedrock was encountered at the base of the excavation a soil sample was not collected. Following removal activities, the CAHAS inspected the footprint of Debris Pile A and the 10 x 10-ft excavation at soil sample location TP-5. No asbestos debris was identified and the CAHAS provided a *Certificate of Visual Inspection* for completion of asbestos abatement. A copy of the *Certificate of Visual Inspection* is provided in Appendix I.

Debris Pile B

Approximately 295 tons of debris and soil were removed from Debris Pile B and disposed off-site as asbestos waste at a licensed asbestos landfill. The footprint of the former debris pile covered an area of approximately 10,500 sf. Following removal activities, the CAHAS inspected the footprint of Debris Pile B. No asbestos debris was identified and the CAHAS provided a *Certificate of Visual Inspection* for completion of asbestos abatement. A copy of the *Certificate of Visual Inspection* is provided in Appendix I.

Debris Pile C and soil sample C78SB-021M-0001-SO
Approximately 640 tons of debris and asbestos impacted soil were removed from Debris Pile C as asbestos waste at a licensed asbestos landfill. During removal, the JV excavated asbestos impacted soil to approximately 13 ft bgs at the southwest corner of sample C78SB-021M-0001-SO and ACM was still observed at the base of the excavation. In an attempt to find the southern limits of the debris pile, the JV continued to excavate approximately 15 ft to the south of the soil excavation limits proposed in the Final Work Plan (the JV, 2020). ACM was observed between 3 to 8 ft bgs in all three of the excavation sidewalls, indicating that asbestos impacts continue to the east, west and south of the limits indicated in the EE/CA (USACE, 2019) and described in the Final Work Plan (the JV, 2020). Due to the unknown horizontal and vertical extent of buried asbestos debris, further excavation was not conducted. Additional delineation will be required to determine the extent of buried ACM in Debris Pile C.

3.3.1 Transportation and Disposal
Trucks utilized asphalt roadways; the improved gravel access roadway and constructed loading areas and did not come in contact with soil while traveling to, traveling from and during hauling on Site.

A total of 1,707.7 tons of friable asbestos debris and soil was removed from the Site and disposed at Republic Services Countywide Recycling & Disposal Facility (Waste Facility ID Number 1576001579) located at 3619 Gracemont Street SW in East Sparta, Ohio under profile number 3684 20 8798. A waste tracking sheet including date, type of waste, profile number, manifest number, disposal facility, trucking company, truck number, weight and daily load count was maintained for all shipments during the project. Project totals for each material were recorded on the CJAG waste tracking sheet. Copies of the final manifests, disposal tickets and waste tracking sheets are provided in Appendix J.

3.3.2 Confirmation Sampling
The EE/CA (USACE, 2019) and the approved Final Work Plan (the JV, 2020) required the collection of confirmation samples at the two soil excavations (soil sample locations TP-5 and C78SB-021M-0001-SO), however bedrock was encountered one ft bgs at soil sample location TP-5 and a confirmation soil sample could not be collected. Depth was achieved at sample location C78SB-021M-0001-SO, however a sample was not collected as ACM was still identified beyond the anticipated depth to the west and south. Debris Pile C and the excavation planned for soil sample location C78SB-021M-0001-SO was not completed as the full extent of Debris Pile C is unknown. No confirmation samples were required to be collected from debris piles A and B.

3.3.3 Decontamination of Equipment
Heavy equipment, tools, etc. were dry decontaminated (scraped, brushed, tracks shoveled, etc.) before arriving at the Site, moving between debris piles, beginning backfilling activities and during demobilization. As trucks remained on gravel or asphalt paved roadways and debris was loaded into lined truck beds, decontamination of transport vehicles prior to leaving the Site was not required.

Disposable items such as personal protective equipment (PPE) and incidental trash were consolidated with the waste stream and shipped offsite for proper disposal as asbestos waste.

3.4 SITE RESTORATION/DEMOBILIZATION

Following NTCRA activities, approximately 1,044 tons of backfill were sourced from Oscar Brugmann in Mantua, Ohio, to fill the open excavation at Debris Pile C (approximately 640 tons) and restore the grades at former Debris Piles A and B to neighboring contours for positive drainage (a total of approximately 404 tons). Restored grades were covered with a germination blanket and seeded according to specifications described in the OHARNG *Environmental Procedures* (2018) for areas not regularly mowed. Once complete, all equipment was demobilized from the Site.

On September 8, 2020, the weekly erosion control inspection identified a depression in the restoration performed at Debris Pile C. To prevent further erosion, approximately 125 tons of number 2 crushed gravel were imported from Oscar Brugmann and placed in the depression to allow water to drain from the Site without causing erosion. The repair was recorded in the corrective action log, a copy of which is included in Appendix C.

On October 14, 2020, the JV and the ARNG Project Manager performed a Site walkthrough to confirm Site restoration was properly completed (including 70% vegetative growth) and erosion controls were removed. Photographs of the restoration are included in Appendix B.

3.5 VARIANCES FROM THE FINAL WORK PLAN

Variances from the Final WP and FCR 1 through 4 are summarized below:

- The approved Final Work Plan (the JV, 2020) indicated that the NTCRA was to include a 10 x 10 ft excavation to a depth of two ft bgs at soil sample location TP-5. Following excavation activities, one confirmation soil sample was to be collected from the base of the excavation. As described in Sections 3.3 and 3.3.2 the 10 x 10 ft excavation at soil sample location TP-5 encountered bedrock at one ft bgs and a confirmation soil sample could not be collected from the base. This variance does not affect quality of the NTCRA performed at Debris Pile A.

- The approved Final Work Plan (the JV, 2020) indicated that the NTCRA was to include the removal of Debris Pile C. Per the EE/CA (USACE, 2019), Debris Pile C was estimated to be 5,400 sf and 1.5 ft thick, accounting for an estimated volume of 300 cubic yards of asbestos debris and 180 cubic yards of soil. During the NTCRA, the excavation at Debris Pile C covered an area of approximately 2,550 sf and was extended to a maximum depth of 13 ft bgs. Approximately 474 cubic yards[1] of asbestos debris and soil were removed from Debris Pile C and properly disposed off-site as asbestos waste at a licensed asbestos landfill. Following removal of the quantities proposed in the Final WP, asbestos debris was still present throughout the observable portions of Debris Pile C. Based on discussion with USACE and ARNG, debris removal was stopped at this point. Due to the unknown extent of debris, it is recommended that asbestos impacts be completely delineated to determine the best approach forward.

- The approved Final Work Plan (the JV, 2020) indicated that the NTCRA was to include

[1] Cubic yardage was obtained from disposal volumes by using a 1.35 tons: 1 yard conversion ratio.

a 10 x 10 ft excavation to a depth of 5 ft bgs at soil sample location C78SB-021M-0001-SO. Following excavation activities, one confirmation soil sample was to be collected from the base of the excavation. As described in Sections 3.3 and 3.3.2 the excavation at the southwest corner of C78SB-021M-0001-SO was extended to a depth of 13 ft bgs but did not achieve vertical completion of the removal of asbestos debris. Based on field observations, it is assumed that sample location C78SB-021M-0001-SO represents the buried debris that was noted within and outside the indicated limits of Debris Pile C and therefore the full extent of Debris Pile C is unknown. As asbestos debris was visually present, no confirmation sample was collected. This variance prevents the completion of the prescribed NTCRA at soil sample location C78SB-021M-0001-SO.

4.0 QUALITY ASSURANCE/QUALITY CONTROL

4.1 FIELD CONFORMANCE

The backfill soil sample was collected and submitted for analysis in accordance with the procedures described in the Final Work Plan for the NTCRA at Quarry Pond Surface Dump (the JV, June 2020).

Three five-point composite waste characterization samples (WCQP-1, WCQP-2 and WCQP-3) were collected and submitted to Eurofins TestAmerica in Savannah, Georgia under proper chain of custody procedures. Waste characterization samples were analyzed for VOCs via USEPA Method 8260B, TCLP SVOCs via USEPA Method 8270D, TCLP Pesticides via USEPA Method 8081B, TCLP herbicides via USEPA Method 8151A, TCLP metals via USEPA Method 6010C, TCLP mercury via USEPA Method 7470A, PCBs via USEPA Method 8081B/8082A and ignitability via USEPA Method 1030. Discrete samples were analyzed for VOCs using USEPA Method 8260B.

One five-point composite soil sample (BF200520) was collected from Oscar Brugmann in Mantual, Ohio, and submitted to Eurofins TestAmerica in Savannah, Georgia under proper chain of custody procedures. The composite sample was analyzed for TCL VOCs via USEPA Method 8260B, TCL SVOCs via USEPA Method 8270D, TCL pesticides via USEPA Method 8081B, PCBs via USEPA Method 8082A, nitroglycerine via USEPA Method 8330B, explosives and nitro-guanidine via USEPA Method 8330, nitrocellulose using Method WS-WC-0050, TAL metals via USEPA Method 6010C and 7471B (mercury) and pH using USEPA Method 9045D.

Samples were collected in laboratory grade sample containers which were each labeled with a unique sample identification. Samples were immediately transferred to insulated coolers provided by the laboratory. A chain-of-custody form was used to trace the path of sample containers from the Site to the laboratory. Waste characterization analytical results are included in Table 1. Backfill analytical results are included in Table 2. Waste characterization and backfill analytical laboratory reports are included in Appendix D and Appendix E, respectively.

4.2 LABORATORY CONFORMANCE

Laboratory Verification

Laboratory conformance was reviewed and summarized by TestAmerica in the laboratory reports. Based on a review of the report narratives, it was concluded that laboratory data generated for the project is valid and complies with the Department of Defense (DoD) Quality System Manual (QSM) Version 5.1.

5.0 CONCLUSIONS

The NTCRA for Debris Piles A, B and the excavation at soil sample location TP-5 was completed per the recommendations of the Final Revised SI (USACE, 2016) and the EE/CA (USACE, 2019). Based on the SI, the EE/CA and this NTCRA, no additional action is required at Debris Piles A and B.

During excavation of Debris Pile C, buried asbestos was encountered and appeared to continue past a depth of 13 ft bgs around soil sample C78SB-021M-0001-SO. Buried asbestos debris was observed between 3 to 8 ft bgs on each of the resulting excavation walls indicating that, at a minimum, asbestos debris continues to the east, west and south of the limits indicated in the EE/CA (USACE, 2019). The buried asbestos debris extended east, west, and at least 15 ft south of the limits identified for Debris Pile C. Due to the unknown horizontal and vertical extent of buried asbestos debris at Debris Pile C, further excavation was not conducted.

The Army will proceed to a Remedial Investigation to investigate remaining asbestos debris associated with debris pile C. This RI will delineate the horizontal and vertical extent of the buried asbestos debris.

6.0 REFERENCES

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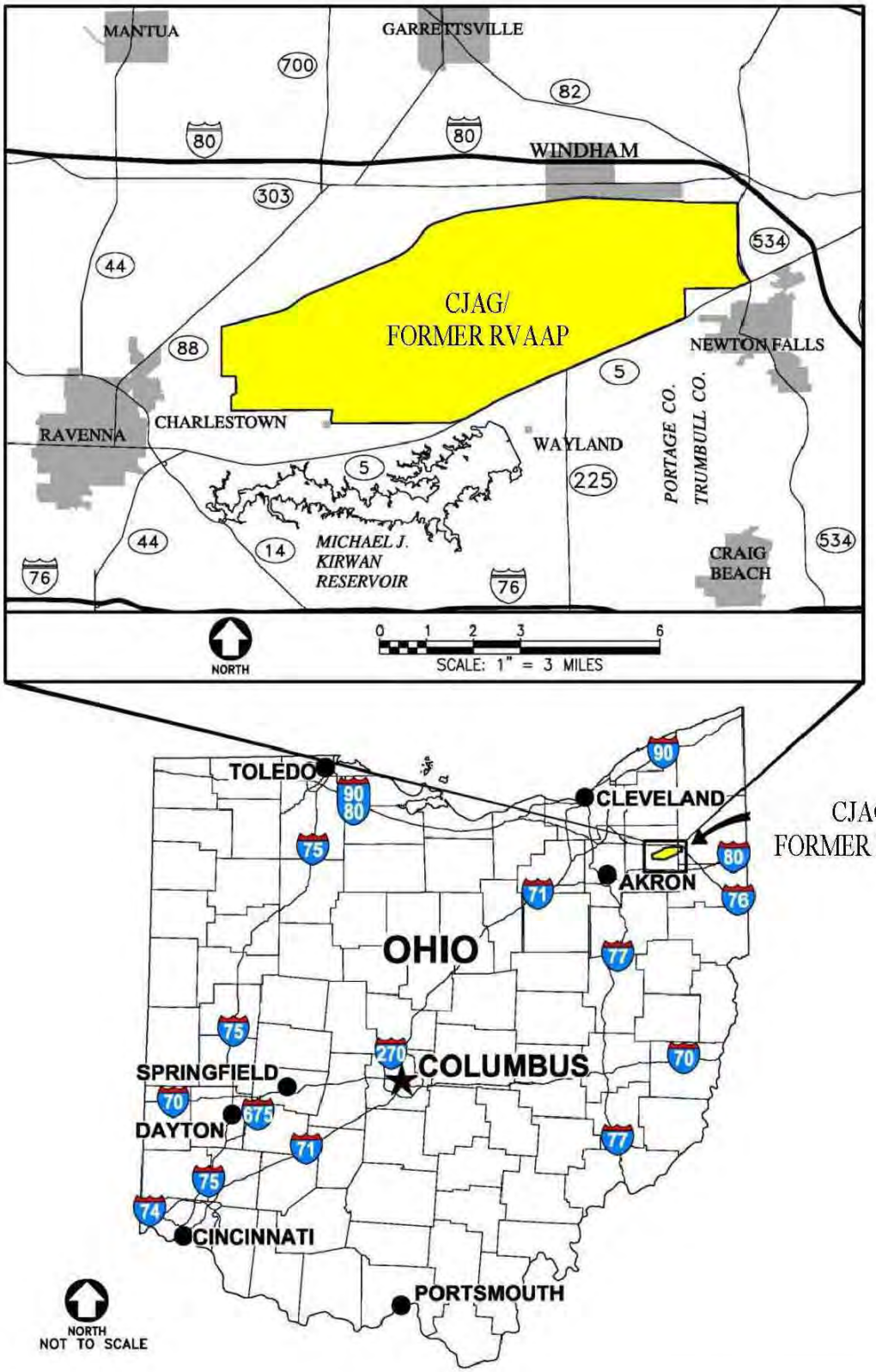
FIGURES

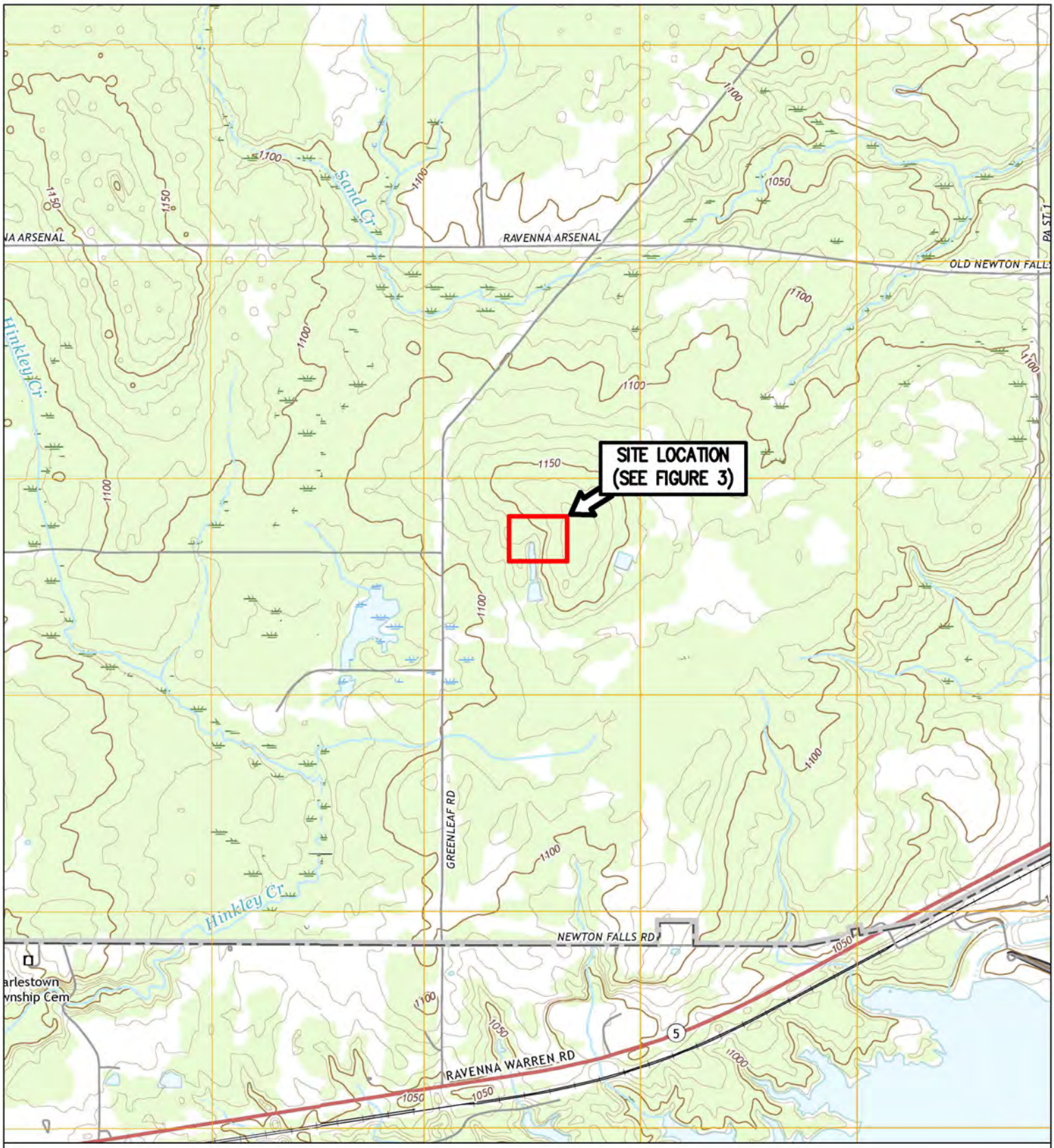


NOTES:
SOURCE OF DRAWING IS THE FINAL ENGINEERING EVALUATION / COST ANALYSIS FOR RVAAP-67 & CC-RVAAP-75 (LEIDOS, 2017)

FIGURE 1
FACILITY LOCATION MAP
CJAG/FORMER RVAAP
PORTAGE AND TRUMBULL COUNTIES, OHIO

PARS ENVIRONMENTAL, INC.
500 HORIZON DRIVE SUITE 540 ROBBINSVILLE, NEW JERSEY

DRAWN BY:	MN	JOB NUMBER:	895-35
CHECKED BY:	CP	DATE:	11/8/19



1. Ravenna, OH
USGS Quadrangle 2016
Contour Interval: 10 Feet

2. Windham, OH
USGS Quadrangle 2016
Contour Interval: 10 Feet

1	2

SCALE IN FEET
250 0 500 1,000 1,500 2,000

FIGURE 2
SITE LOCATION MAP
CJAG/FORMER RVAAP
PORTAGE AND TRUMBULL COUNTIES, OHIO

PARS ENVIRONMENTAL, INC.
500 HORIZON DRIVE SUITE 540 ROBBINSVILLE, NEW JERSEY

DRAWN BY:	MN	JOB NUMBER:	895-35
CHECKED BY:	CP	DATE:	10/15/19

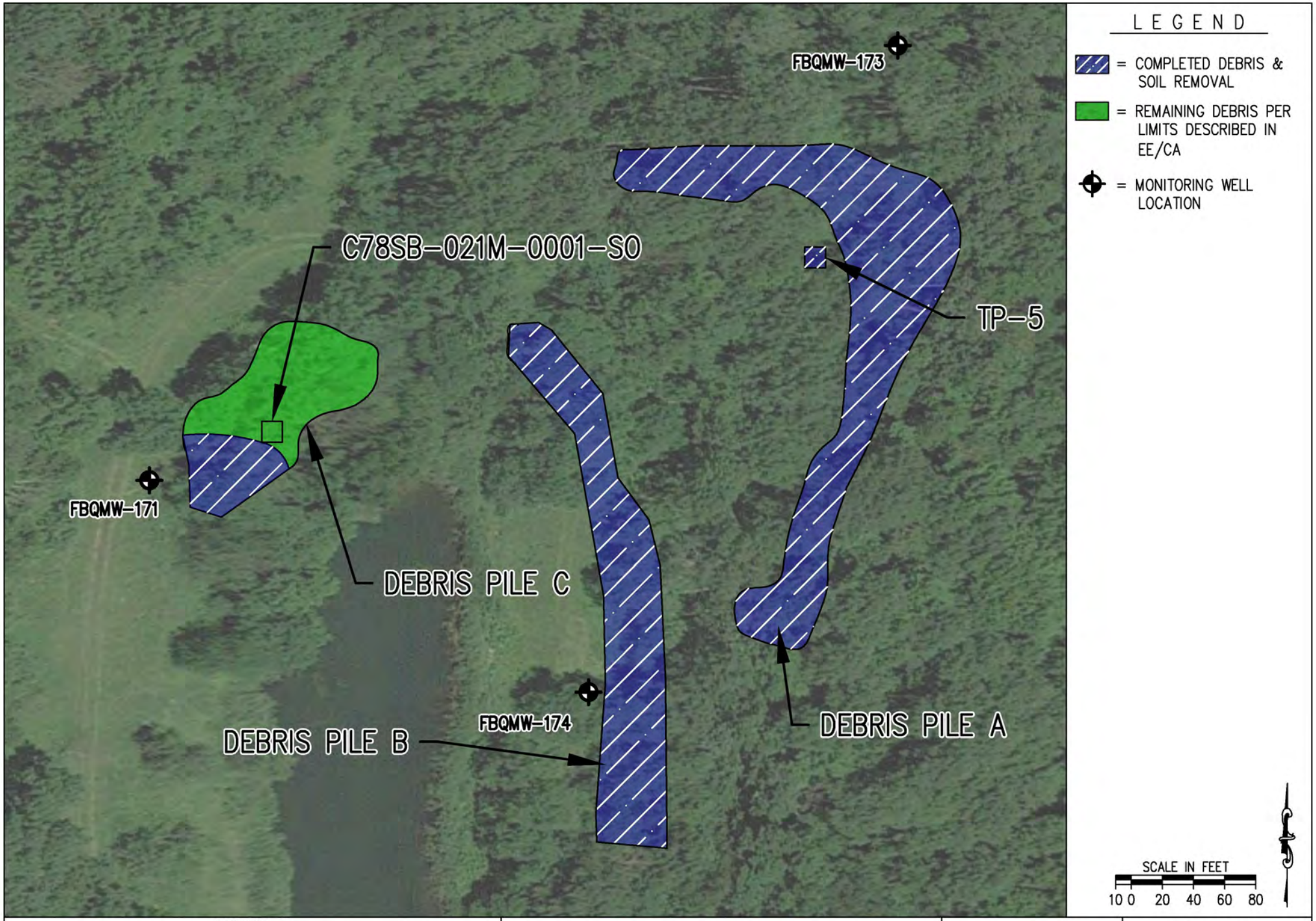


FIGURE 3
QUARRY POND SURFACE DUMP NTCRA ACTIVITY LOCATIONS
CJAG/FORMER RVAAP
PORTAGE AND TRUMBULL COUNTIES, OHIO

PARS ENVIRONMENTAL, INC.
500 HORIZON DRIVE SUITE 540 ROBBINSVILLE, NEW JERSEY

DRAWN BY:	MN	JOB NUMBER:	895-35
CHECKED BY:	CP	DATE:	9/29/20

TABLES

Table 1
Waste Characterization Analytical Results - Composite
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID		WCQP-1	WCQP-2	WCQP-3
Sample Location	TSCA	Debris Pile A	Debris Pile B	Debris Pile C
Laboratory Sample ID	Regulatory	680-184333-1	680-184333-2	680-184333-3
Sample Date	Limits	5/20/2020	5/20/2020	5/20/2020
VOCs (mg/kg) EPA Method 8260B				
1,1,1,2-Tetrachloroethane	-	ND	ND	ND
1,1,1-Trichloroethane	-	ND	ND	ND
1,1,2,2-Tetrachloroethane	-	ND	ND	ND
1,1,2-Trichloroethane	-	ND	ND	ND
1,1-Dichloroethane	-	ND	ND	ND
1,1-Dichloroethene	-	ND	ND	ND
1,1-Dichloropropene	-	ND	ND	ND
1,2,3-Trichlorobenzene	-	ND	ND*	ND
1,2,4-Trimethylbenzene	-	ND*	ND*	ND*
1,2-Dichloroethane	-	ND	ND	ND
1,2-Dichloroethene (Total)	-	ND	ND	ND
1,2-Dichloropropane	-	ND	ND	ND
1,3,5-Trimethylbenzene	-	ND*	ND*	ND*
1,3-Dichloropropane	-	ND*	ND*	ND*
2,2-Dichloropropane	-	ND	ND	ND
2-Butanone (MEK)	-	ND	ND	ND
2-Chlorotoluene	-	ND	ND	ND
2-Hexanone	-	ND	ND	ND
4-Chlorotoluene	-	ND	ND	ND
4-Isopropyltoluene	-	ND	ND*	ND
4-Methyl-2-pentanone (MIBK)	-	ND	ND	ND
Acetone	-	ND	ND	ND
Benzene	-	ND	ND	ND
Bromobenzene	-	ND	ND	ND
Bromoform	-	ND	ND	ND
Bromomethane	-	ND	ND	ND
Carbon disulfide	-	ND	ND	ND
Carbon tetrachloride	-	ND	ND	ND
Chlorobenzene	-	ND	ND	ND
Chlorobromomethane	-	ND	ND	ND
Chlorodibromomethane	-	ND	ND	ND
Chloroethane	-	ND	ND	ND
Chloroform	-	ND	ND	ND
Chloromethane	-	ND	ND	ND
cis-1,2-Dichloroethene	-	ND	ND	ND
cis-1,3-Dichloropropene	-	ND	ND	ND
Dibromomethane	-	ND	ND	ND
Dichlorobromomethane	-	ND	ND	ND
Dichlorodifluoromethane	-	ND	ND	ND
Ethylbenzene	-	ND	ND	ND
Isopropylbenzene	-	ND*	ND*	ND*
Methyl tert-butyl ether (MTBE)	-	ND	ND	ND
Methylene Chloride	-	ND	0.0029 J	0.0026 J
m-Xylene & p-Xylene	-	ND	ND	ND
n-Butylbenzene	-	ND	ND*	ND
N-Propylbenzene	-	ND*	ND*	ND*
o-Xylene	-	ND	ND	ND
sec-Butylbenzene	-	ND*	ND*	ND*
Styrene	-	ND	ND	ND
tert-Butylbenzene	-	ND*	ND*	ND*
Tetrachloroethene	-	ND	ND	ND

Table 1
Waste Characterization Analytical Results - Composite
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID		WCQP-1	WCQP-2	WCQP-3
Sample Location	TSCA	Debris Pile A	Debris Pile B	Debris Pile C
Laboratory Sample ID	Regulatory	680-184333-1	680-184333-2	680-184333-3
Sample Date	Limits	5/20/2020	5/20/2020	5/20/2020
Toluene	-	ND	ND	ND
trans-1,2-Dichloroethene	-	ND	ND	ND
trans-1,3-Dichloropropene	-	ND*	ND*	ND*
Trichloroethene	-	ND	ND	ND
Trichlorofluoromethane	-	ND	ND	ND
Vinyl acetate	-	ND	ND	ND
Vinyl chloride	-	ND	ND	ND
Xylene (total)	-	ND	ND	ND
Organochlorine Pesticides & PCBs (mg/kg) EPA Method 8081B 8082A				
PCB-1016	-	ND	ND	ND
PCB-1221	-	ND	ND	ND
PCB-1232	-	ND	ND	ND
PCB-1242	-	ND	ND	ND
PCB-1248	-	ND	ND	ND
PCB-1254	-	ND	ND	ND
PCB-1260	-	ND	ND	ND
Total PCBs	50	ND	ND	ND
General Chemistry				
Ignitability	-	nb	nb	nb

Table 1
Waste Characterization Analytical Results - Composite
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID		WCQP-1	WCQP-2	WCQP-3
Sample Location		Debris Pile A	Debris Pile B	Debris Pile C
Laboratory Sample ID	RCRA	680-184333-1	680-184333-2	680-184333-3
Sample Date	MCCTC	5/20/2020	5/20/2020	5/20/2020
TCLP VOCs (mg/l) EPA Method 8260B				
Benzene	0.5	ND	ND	ND
2-Butanone (MEK)	200	ND	ND	ND
Carbon tetrachloride	0.5	ND	ND	ND
Chlorobenzene	100	ND	ND	ND
Chloroform	6	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND
1,1-Dichloroethene	0.7	ND	ND	ND
Tetrachloroethene	0.7	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND
Vinyl chloride	0.2	ND	ND	ND
TCLP SVOCs (mg/l) EPA Method 8270D				
2-Methylphenol	200	ND	ND	ND
3&4-Methylphenol	200	ND	ND	ND
Pentachlorophenol	100	ND	ND	ND
2,4,5-Trichlorophenol	400	ND	ND	ND
2,4,6-Trichlorophenol	2	ND	ND	ND
1,4-Dichlorobenzene	7.5	ND	ND	ND
2,4-Dinitrotoluene	0.13	ND	ND	ND
Hexachlorobenzene	0.13	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Hexachloroethane	3	ND	ND	ND
Nitrobenzene	2	ND	ND	ND
Pyridine	5	ND*	ND*	ND*
TCLP Pesticides (mg/l) EPA Method 8081B				
gamma-BHC (Lindane)	0.4	ND	ND	ND
Chlordane	0.03	ND	ND	ND
Endrin	0.02	ND	ND	ND
Heptachlor	0.008	ND	ND	ND
Heptachlor epoxide	0.008	ND	ND	ND
Methoxychlor	10	ND	ND	ND
Toxaphene	0.5	ND	ND	ND
TCLP Herbicides (mg/l) EPA Method 8151A				
2,4-D	10	ND	0.014 J	ND
2,4,5-TP (Silvex)	1	ND	ND	ND
TCLP Metals (mg/l) EPA Method 6010C				
Arsenic	5	ND	ND	ND
Barium	100	0.74 J	1.2	0.62 J
Cadmium	1	ND	0.011 J	ND
Chromium	5	ND	ND	ND
Lead	5	ND	0.10 J	ND
Selenium	1	0.15 J	0.13 J	ND
Silver	5	ND	ND	ND
TCLP Metals (mg/l) EPA Method 7470A				
Mercury	0.2	ND	ND	ND

Table 1
Waste Characterization Analytical Results - Composite
Quarry Pond Surface Dump
RVAAP Restoration Program

Notes:
Detected compounds that exceed the most stringent Soil Remediation Standard are shown underlined and bold **[thus]:**

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
ND	Compound not detected above laboratory reporting limit
J	Estimated concentration (result is less than reporting limit, but greater than the minimum detection limit)
nb	No Burn
*	One or more quality control criteria failed
TSCA	Toxic Substances Control Act
RCRA	Resource Conservation and Recovery Act
MCCTC	Maxiumum Concentration of Contaminants for Toxicity Characteristic

Sampling Information:
Samples were placed in iced coolers at approximately 4°C.

Table 2
Fill Analytical Results
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level - RS (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
VOCs (mg/kg) EPA Method 8260C			
1,1,1,2-Tetrachloroethane	-	2.0	ND*
1,1,1-Trichloroethane	-	640	ND
1,1,2,2-Tetrachloroethane	-	0.06	ND*
1,1,2-Trichloroethane	-	0.15	ND
1,1-Dichloroethane	-	3.6	ND
1,1-Dichloroethene	-	23	ND
1,1-Dichloropropene	-	-	ND
1,2,3-Trichlorobenzene	-	6	ND*
1,2,4-Trimethylbenzene	-	30	ND*
1,2-Dichloroethane	-	0.46	ND
1,2-Dichloroethene (Total)	-	-	ND
1,2-Dichloropropane	-	1	ND
1,3,5-Trimethylbenzene	-	-	ND*
1,3-Dichloropropane	-	160	ND*
2,2-Dichloropropane	-	1.6	ND
2-Butanone (MEK)	-	2700	ND
2-Chlorotoluene	-	160	ND
2-Hexanone	-	20	ND
4-Chlorotoluene	-	160	ND*
4-Isopropyltoluene	-	-	ND*
4-Methyl-2-pentanone (MIBK)	-	530	ND
Acetone	-	6100	ND
Benzene	-	1.2	ND
Bromobenzene	-	290	ND*
Bromoform	-	67	ND*
Bromomethane	-	0.68	ND
Carbon disulfide	-	77	ND
Carbon tetrachloride	-	0.65	ND
Chlorobenzene	-	28	ND*
Chlorobromomethane	-	15	ND
Chlorodibromomethane	-	0.73	ND
Chloroethane	-	1400	ND
Chloroform	-	0.32	ND
Chloromethane	-	11	ND
cis-1,2-Dichloroethene	-	16	ND
cis-1,3-Dichloropropene	-	1.8	ND
Dibromomethane	-	2.4	ND
Dichlorobromomethane	-	0.29	ND
Dichlorodifluoromethane	-	8.7	ND
Ethylbenzene	-	5.8	ND*
Isopropylbenzene	-	190	ND*
Methyl tert-butyl ether (MTBE)	-	47	ND
Methylene Chloride	-	35	0.0045 J
m-Xylene & p-Xylene	-	55	ND*
n-Butylbenzene	-	65	ND*
N-Propylbenzene	-	380	ND*
o-Xylene	-	56	ND*
sec-Butylbenzene	-	780	ND*
Styrene	-	600	ND*
tert-Butylbenzene	-	780	ND*
Tetrachloroethene	-	8.1	ND

Table 2
Fill Analytical Results
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level - RS (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Toluene	-	490	ND
trans-1,2-Dichloroethene	-	160	ND
trans-1,3-Dichloropropene	-	1.8	ND*
Trichloroethene	-	0.41	ND
Trichlorofluoromethane	-	2,300	ND
Vinyl acetate	-	91	ND
Vinyl chloride	-	0.059	ND
Xylene (total)	-	58	ND
SVOCs (mg/kg) EPA Method 8270D			
2-Chlorophenol	-	39	ND
4-Chloro-3-methyl phenol	-	620	ND
2,4-Dichlorophenol	-	18	ND
2,4-Dimethylphenol	-	120	ND
2,4-Dinitrophenol	-	12	ND
4,6-Dinitro-o-cresol	-	0.49	ND
2-Methylphenol	-	310	ND
3&4-Methylphenol	-	620	ND
2-Nitrophenol	-	-	ND
4-Nitrophenol	-	61.2	ND
Pentachlorophenol	-	2.12	ND
Phenol	-	1,800	ND
2,4,5-Trichlorophenol	-	620	ND
2,4,6-Trichlorophenol	-	6.2	ND
Acenaphthene	-	350	ND*
Acenaphthylene	-	170	ND*
Acetophenone	-	780	ND
Anthracene	-	1,700	ND*
Atrazine	-	2.4	ND
Benzo(a)anthracene	-	0.221	ND*
Benzo(a)pyrene	-	0.022	ND*
Benzo(b)fluoranthene	-	0.221	ND*
Benzo(g,h,i)perylene	-	170	ND*
Benzo(k)fluoranthene	-	2.21	ND*
4-Bromophenyl phenyl ether	-	-	ND
Butyl benzyl phthalate	-	280	ND*
1,1'-Biphenyl	-	4.7	ND
Benzaldehyde	-	170	0.3 J
2-Chloronaphthalene	-	630	ND
4-Chloroaniline	-	2.7	ND
Carbazole	-	44.6	ND
Caprolactam	-	3,100	ND
Chrysene	-	22.1	ND*
bis(2-Chloroethoxy)methane	-	23	ND
bis(2-Chloroethyl)ether	-	0.23	ND
bis(2-Chloroisopropyl)ether	-	-	ND
4-Chlorophenyl phenyl ether	-	-	ND
2,4-Dinitrotoluene	-	0.753	ND
2,6-Dinitrotoluene	-	0.769	ND
3,3'-Dichlorobenzidine	-	1.2	ND*
Dibenzo(a,h)anthracene	-	0.022	ND
Dibenzofuran	-	15.3	ND
Di-n-butyl phthalate	-	620	ND

Table 2
Fill Analytical Results
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level - RS (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Di-n-octyl phthalate	-	62	ND*
Diethyl phthalate	-	4,900	ND
Dimethyl phthalate	-	-	ND
bis(2-Ethylhexyl)phthalate	-	38	0.097 J
Fluoranthene	-	163	ND*
Fluorene	-	243	ND*
Hexachlorobenzene	-	0.33	ND*
Hexachlorobutadiene	-	6.2	ND
Hexachlorocyclopentadiene	-	37	ND
Hexachloroethane	-	4.3	ND
Indeno(1,2,3-cd)pyrene	-	0.221	ND*
Isophorone	-	560	ND
2-Methylnaphthalene	-	30.6	ND
2-Nitroaniline	-	63	ND
3-Nitroaniline	-	-	ND
4-Nitroaniline	-	25	ND
Naphthalene	-	122	ND*
Nitrobenzene	-	5.1	ND
N-Nitroso-di-n-propylamine	-	0.12	ND
N-Nitrosodiphenylamine	-	110	ND
Phenanthrene	-	170	ND*
Pyrene	-	122	ND*
1,2,4,5-Tetrachlorobenzene	-		
Organochlorine Pesticides & PCBs (mg/kg) EPA Method 8081B 8082A	-		
Aldrin	-	0.053	ND
alpha-BHC	-	0.085	ND
beta-BHC	-	0.496	ND
Chlordane	-	1.8	ND
delta-BHC	-	0.3	ND
Dieldrin	-	0.056	ND
Endosulfan I	-	37	ND
Endosulfan II	-	37	ND
Endosulfan sulfate	-	37	ND
Endrin	-	1.12	ND
Endrin aldehyde	-	1.8	ND
Endrin ketone	-	1.8	ND
gamma-BHC (Lindane)	-	0.56	ND
Heptachlor	-	0.198	ND
Heptachlor epoxide	-	0.098	ND
Methoxychlor	-	31	ND
PCB-1016	-	0.41	ND
PCB-1221	-	0.2	ND
PCB-1232	-	0.17	ND
PCB-1242	-	0.23	ND
PCB-1248	-	0.23	ND
PCB-1254	-	0.12	ND
PCB-1260	-	0.24	ND
Toxaphene	-	0.48	ND
4-4'-DDD	-	2.2	ND
4,4'-DDE	-	2.63	0.00040 J
4,4'-DDT	-	1.9	0.00036 J
Nitroguanidine (mg/kg) EPA Method 8330 Modified			

Table 2
Fill Analytical Results
Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level - RS (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Nitroguanidine	-	620	ND
Nitroaromatics and Nitramines (mg/kg)			
EPA Method 8330 Modified			
HMX	-	359	ND
RDX	-	8.03	ND
1,3,5-Trinitrobenzene	-	225	ND
1,3-Dinitrobenzene	-	0.765	ND
Nitrobenzene	-	5.1	ND
Tetryl	-	12	ND
Nitroglycerin	-	52.5	ND
2,4,6-Trinitrotoluene	-	3.65	ND
4-Amino-2,6-dinitrotoluene	-	1.54	ND
2-Amino-2,6-dinitrotoluene	-	1.54	ND
2,6-Dinitrotoluene	-	0.769	ND
2,4-Dinitrotoluene	-	0.753	ND
2-Nitrotoluene	-	3.88	ND
4-Nitrotoluene	-	52.5	ND
3-Nitrotoluene	-	0.62	ND
PETN	-	12	ND
Metals (mg/kg) EPA Method 6010C			
Aluminum	17,700	7,380	**23,000**
Arsenic	15.4	0.425	14
Barium	88.4	1413	71
Beryllium	1	16	0.43 J
Calcium	15,800	1,000,000	3,700
Cadmium	0	6.41	ND
Colbalt	10.4	131	6.2
Chromium	17.4	8147	16
Copper	17.7	311	17
Iron	23,100	180,000	22,000
Potassium	927	1,000,000	520
Magnesium	3,030	1,000,000	1,900
Manganese	1,450	293	1,100
Sodium	123	1,000,000	ND
Nickel	21.1	155	12
Lead	26.1	400	13
Antimony	0.96	2.82	ND
Selenium	1.4	39	ND
Thallium	0	0.612	ND
Vanadium	31.1	45	18
Zinc	62	2,321	54
Silver	0	38.6	ND
General Chemistry			
pH	-	-	7.6
Nitrocellulose (mg/kg)	-	18,000,000	2.0 J
Mercury (mg/kg) EPA Method 7471B			
Mercury	0.036	1.1	0.16 J

Table 2
Fill Analytical Results
Quarry Pond Surface Dump
RVAAP Restoration Program

Notes:
Detected compounds that exceed the most stringent Soil Remediation Standard are shown underlined and bold **[thus]:**

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
ND	Compound not detected above laboratory reporting limit
J	Estimated concentration (result is less than reporting limit, but greater than the minimum detection limit)
nb	No Burn
*	One or more quality control criteria failed
RS	Residential Soil per US EPA (https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables)
THQ	Toxicity Hazard Quotient
RCRA	Resource Conservation and Recovery Act
MCCTC	Maxiumum Concentration of Contaminants for Toxicity Characteristic

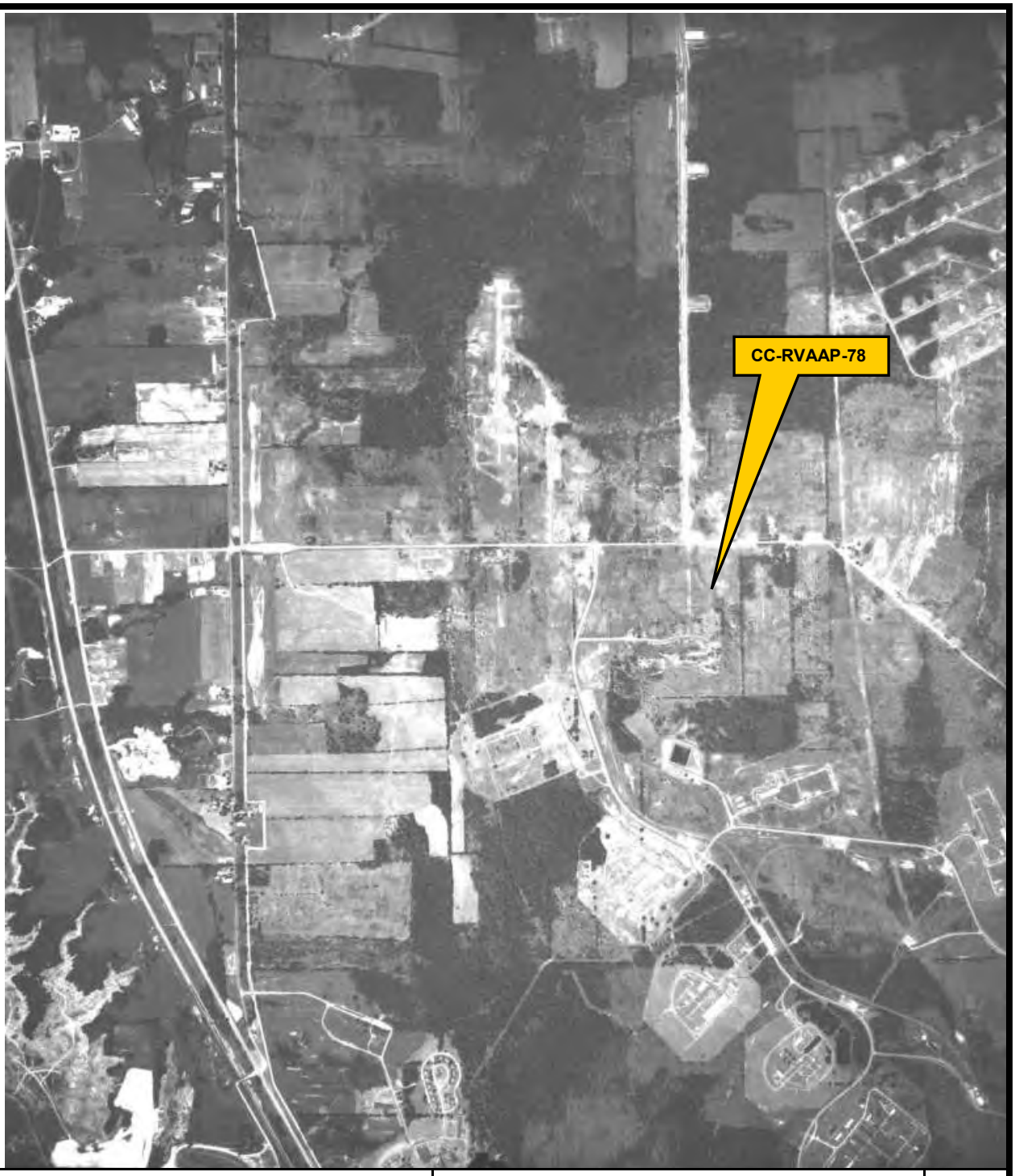
Sampling Information:
Samples were placed in iced coolers at approximately 4°C.

APPENDIX A

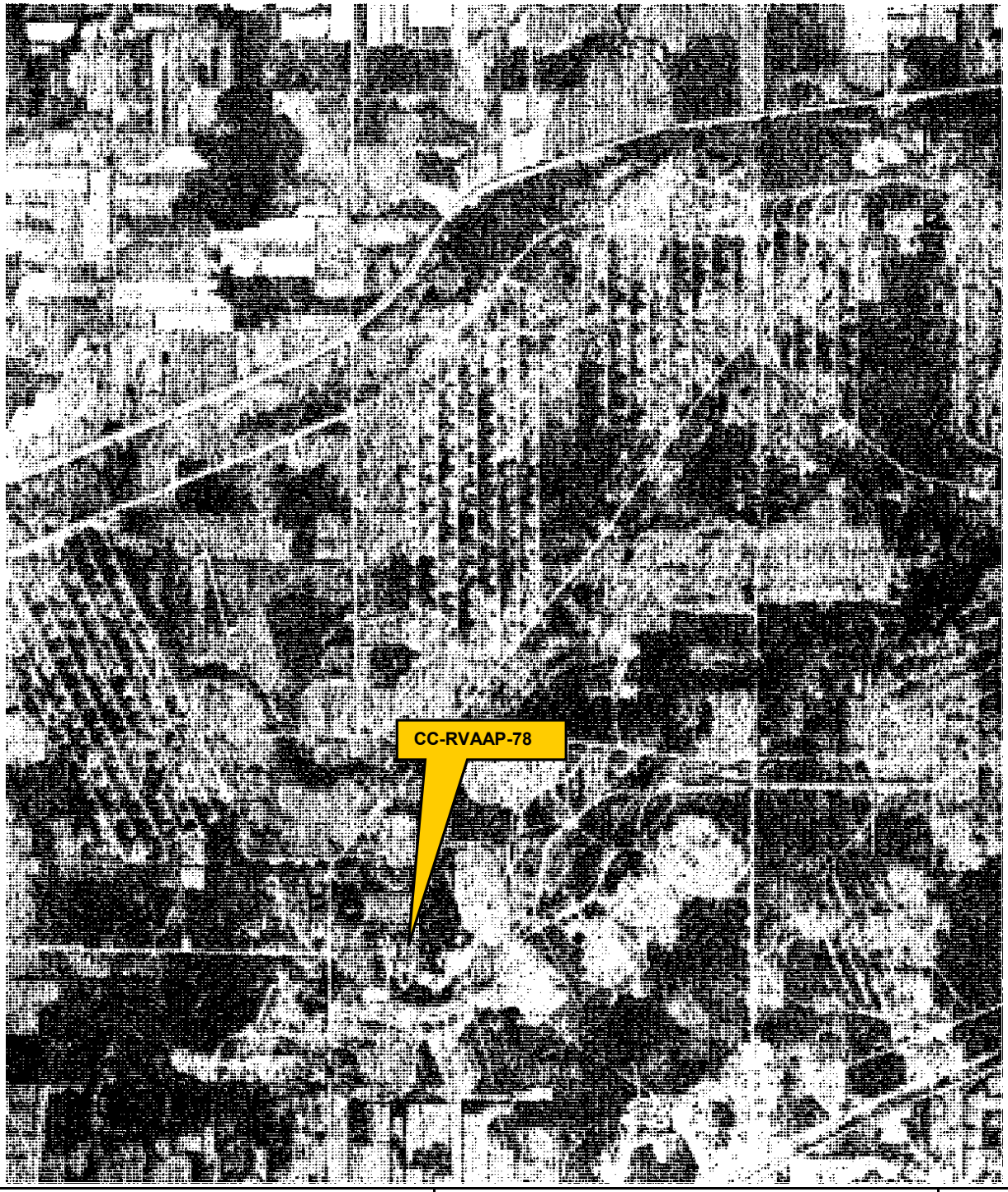
Historical Aerial Photograph

1951 AERIAL	**AERIAL 1**	**N↑**
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, May 2, 1951** **Quarry Pond Surface Dump**	

1952 AERIAL	**AERIAL 2**	**N↑**
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, April 6, 1952** **Quarry Pond Surface Dump**	

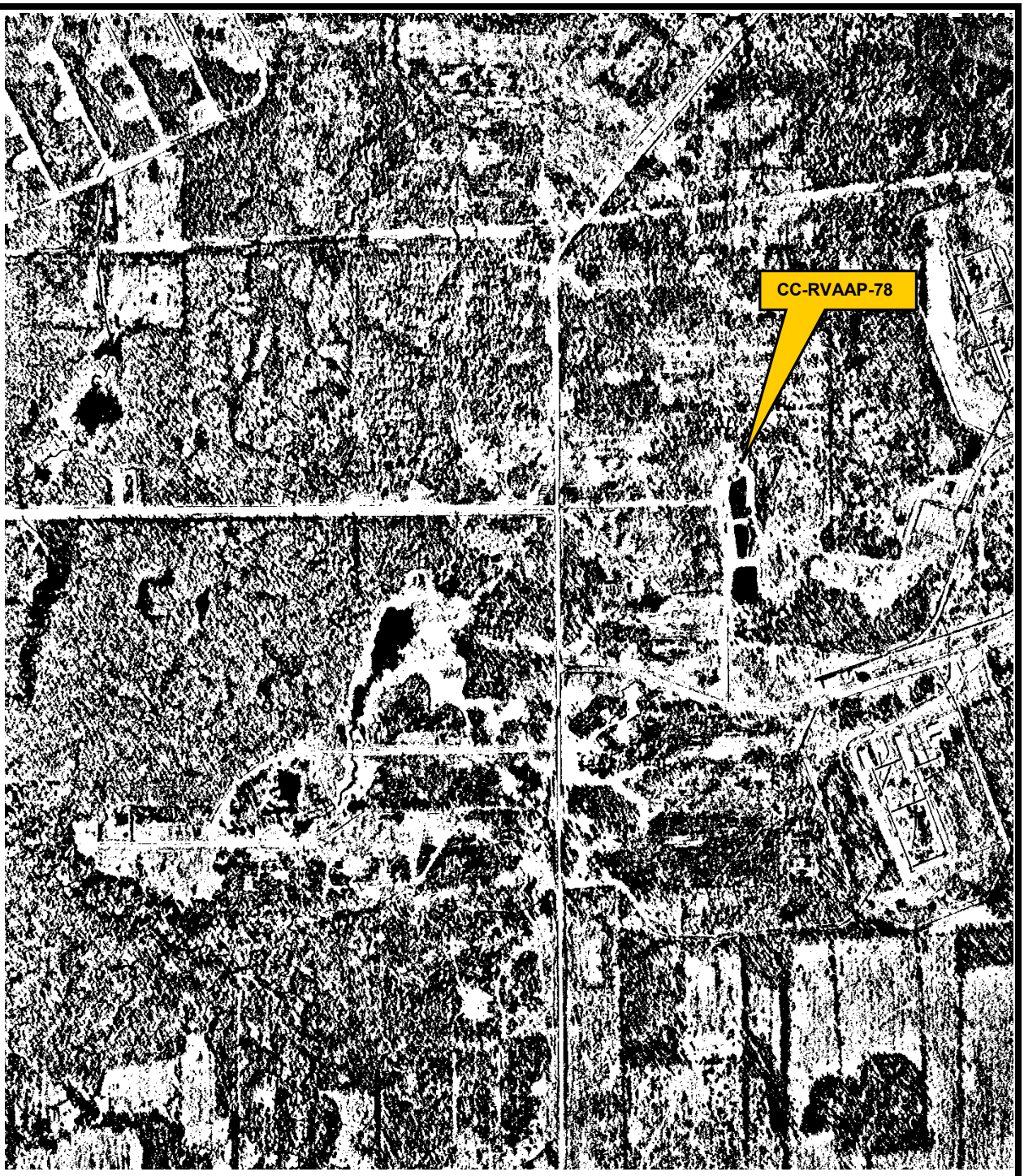


1966 AERIAL	**AERIAL 3**	**N** →
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, June 17, 1966** **Quarry Pond Surface Dump**	



1979 AERIAL	**AERIAL 4**	**N↑**
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, September 17, 1979** **Quarry Pond Surface Dump**	

1981 AERIAL	**AERIAL 5**	**N**
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, November 10, 1981** **Quarry Pond Surface Dump**	



1985 AERIAL	**AERIAL 6**	**N** ←
PRUDENT TECHNOLOGIES, INC. dba Prudent Environmental Services, Inc.	**CC RVAAP-78** **Aerial Photograph, March 26, 1985** **Quarry Pond Surface Dump**	

APPENDIX B

Photographs

Photograph 1 – Debris Pile A prior to vegetation removal as viewed from the south, February 2020.

Photograph 2 – Debris Pile B prior to vegetation removal as viewed from the north, February 2020.

Photograph 3 – Debris Pile C prior to vegetation removal as viewed from the north, February 2020.

Photograph 4 – Erosion Controls as viewed southwest of Debris Pile B, February 2020.

Photograph 5 – Erosion Controls as viewed west of Debris Pile B, February 2020.

Photograph 6 – Erosion Controls to the northwest of Debris Pile B/Southeast of Debris Pile C, February 2020.

Photograph 7 – Erosion Controls installed on the eastern side of Debris Pile C, February 2020.

Photograph 8 – Feller buncher and walk behind wood chipper performing vegetation removal, February 2020

Photograph 9 – Debris Pile A after vegetation removal as viewed from the west, February 2020.

Photograph 10 – Debris Pile B with vegetation removed as viewed from the south, February 2020.

Photograph 11 – Debris Pile C with vegetation removed as viewed from the south, February 2020.

Photograph 12 – Regrade of existing access roadway to Site, May 2020.

Photograph 13 – Access road improvement using approximately 5 inches of DGA, May 2020.

Photograph 14 – Loading area and haul road construction utilizing DGA, May 2020.

Photograph 15 – Excavation of debris and soil wetting methods, July 2020.

Photograph 16 – Lining operation using scissor lifts, July 2020.

Photograph 17 – Northern limit of Debris Pile A excavation, August 2020.

Photograph 18 – Southern limit of Debris Pile A excavation, August 2020.

Photograph 19 – Base of excavation TP-5, bedrock encountered at 1.0 feet bgs, August 2020.

Photograph 20 – Northern limit of Debris Pile B excavation, August 2020.

Photograph 21 – Southern limit of Debris Pile B excavation, August 2020.

Photograph 22 – Excavation of southern limit of Debris Pile C, August 2020.

Photograph 23 – Buried asbestos-containing debris to the south of Debris Pile C limit, August 2020.

Photograph 24 – Buried asbestos debris continuing west of Debris Pile C limits, August 2020.

Photograph 25 – Buried Asbestos debris continuing east of Debris Pile C, August 2020.

Photograph 26 – Wet decontamination of equipment at Debris Pile C, August 2020.

Photograph 27 – Southern limit of former Debris Pile A backfilled, August 2020.

Photograph 28 – Northern limits of former Debris Pile A backfilled, August 2020.

Photograph 29 – Former limits of Debris Pile C backfilled, August 2020.

Photograph 30 – Former Debris Pile A south with germination blanket and seeded, August 2020.

Photograph 31 – Former Debris Pile A north with germination blanket and seeded, August 2020.

Photograph 32 – Former Debris Pile B with germination blanket and seeded, August 2020.

Photograph 33 – Debris Pile C with germination blanket and seeded, August 2020.

Photograph 34 – Drainage feature installed at Debris Pile C for erosion control, September 2020.

Photograph 35 – Former Debris Pile A completed restoration, October 2020.

Photograph 36 – Former Debris Pile B completed restoration, October 2020

Photograph 37 – Debris Pile C completed restoration, October 2020.

APPENDIX C

Erosion Control Inspection Forms and Corrective Action Log

FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 3/3/2020 Inspector Name: Al Brillinger

Inspector Title: Prog. Mgr. Qualifications/Certifications:

Storm Events of the Last 7 Days *(Source: National Weather Service, Youngstown, OH)

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
3/3/2020			0.31 (inches)	N
3/2/2020			0.21 (inches)	N
2/26/2020			0.14 (inches)	N
2/25/2020			0.19 (inches)	N

Weather Information at the Time of Inspection

Temperature 51 Climate (Sunny, Cloudy, Rain)? Rain Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Pond

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (see attached figure). All wattles intact.

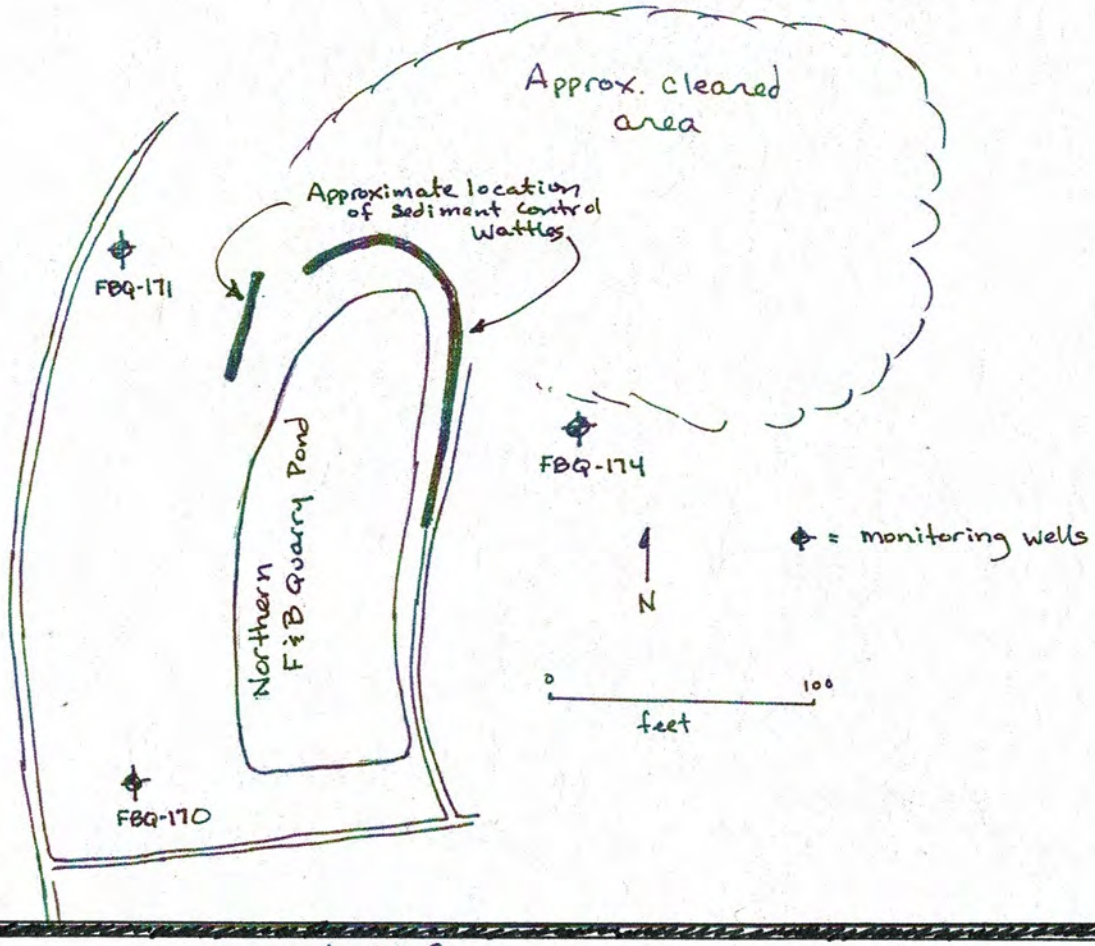
INLET PROTECTION

Key things to look for ...

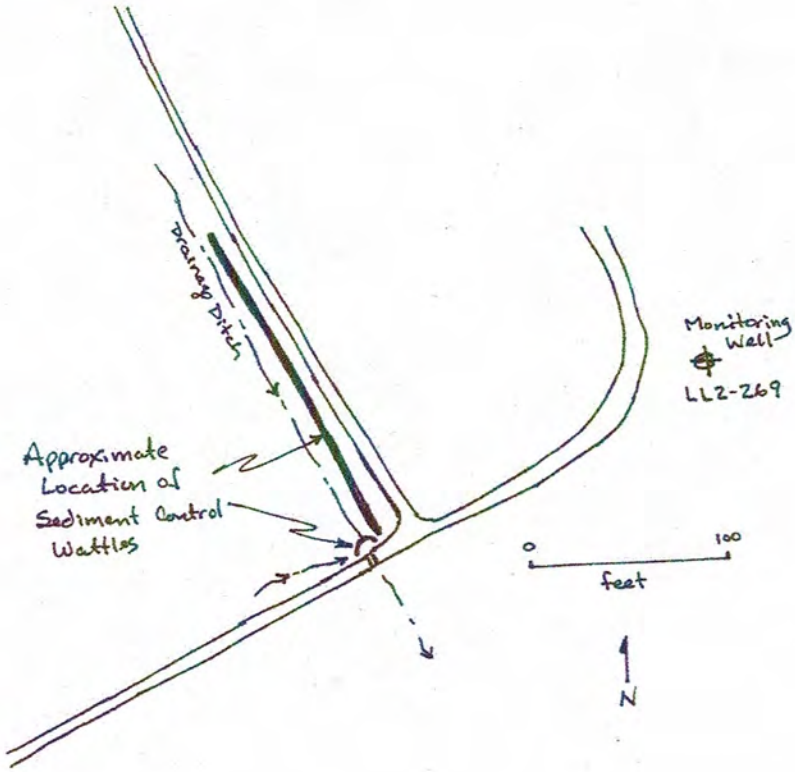
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 3/10/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
3/10/2020			0.23 (inches)	N
3/6/2020			0.04 (inches)	N
3/4/2020			0.02 (inches)	N
			(inches)	

Weather Information at the Time of Inspection

Temperature 52 Climate (Sunny, Cloudy, Rain)? Rain Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ... N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Fuze & Booster Quarry Pond

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached figure). All wattles are intact.

INLET PROTECTION

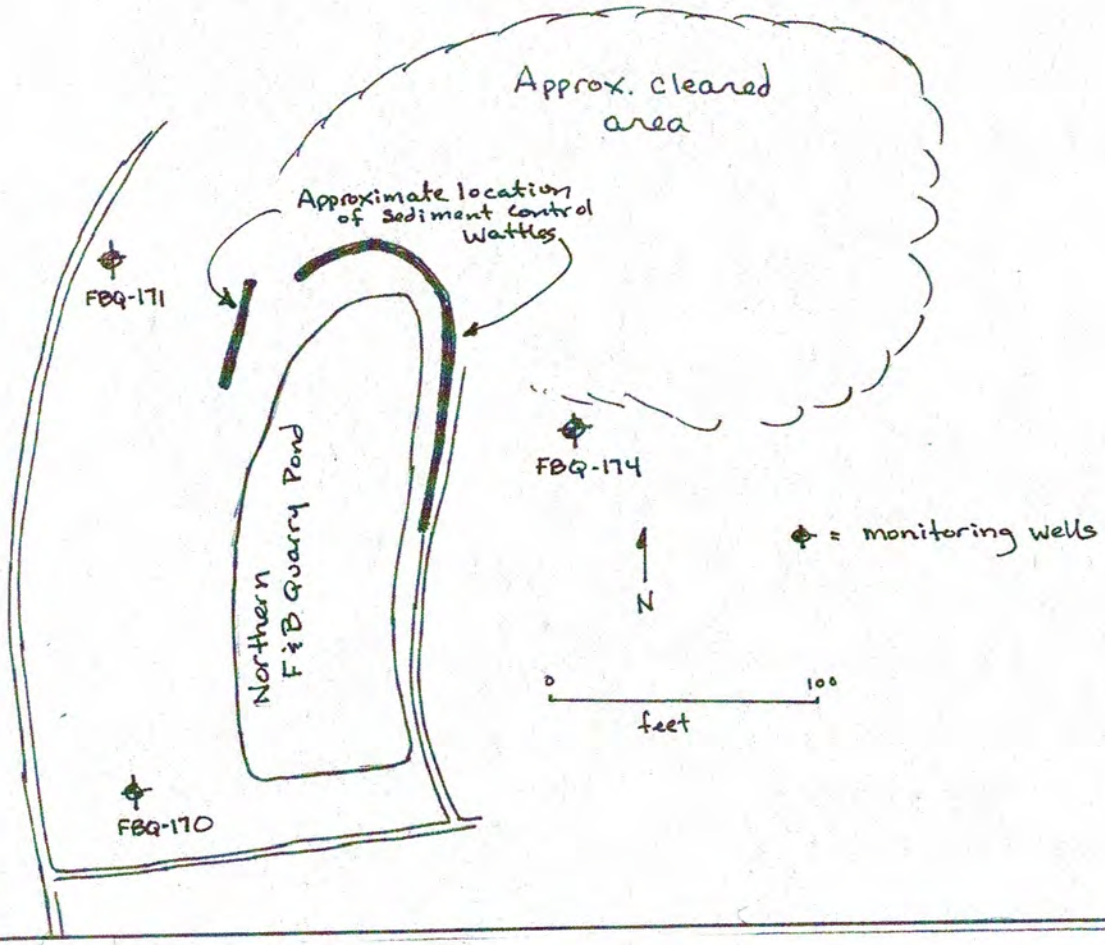
Key things to look for ...

N/A

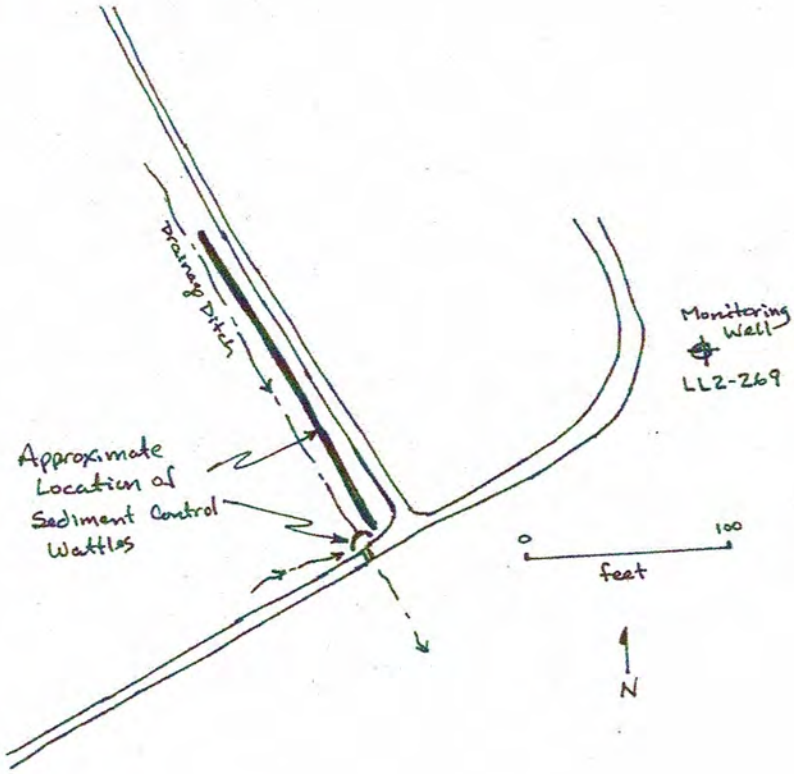
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 3/20/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
3/19/2020			0.22 (inches)	N
3/18/2020			1.1 (inches)	N
3/16/2020			0.07 (inches)	N
3/13/2020			0.23 (inches)	N

Weather Information at the Time of Inspection

Temperature 63 Climate (Sunny, Cloudy, Rain)? Rain Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached figure). All wattles are intact.

INLET PROTECTION

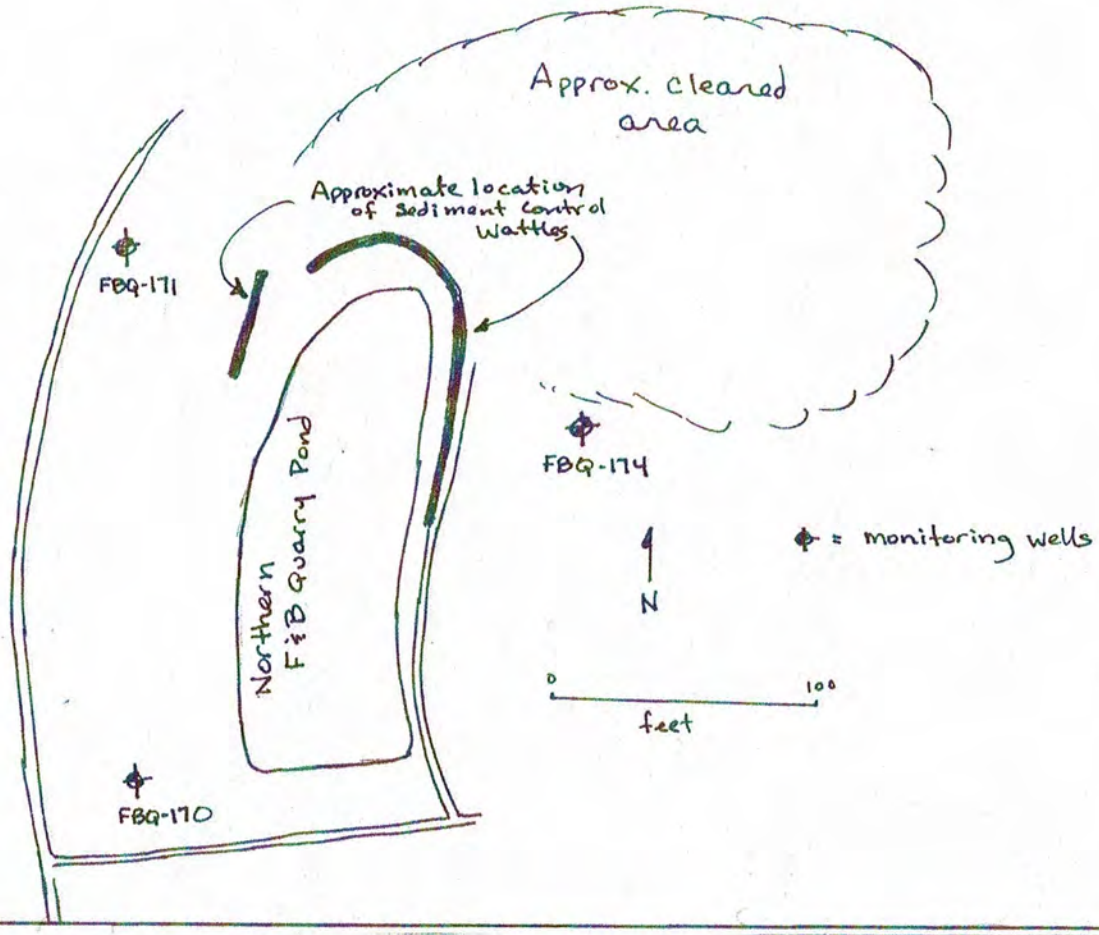
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



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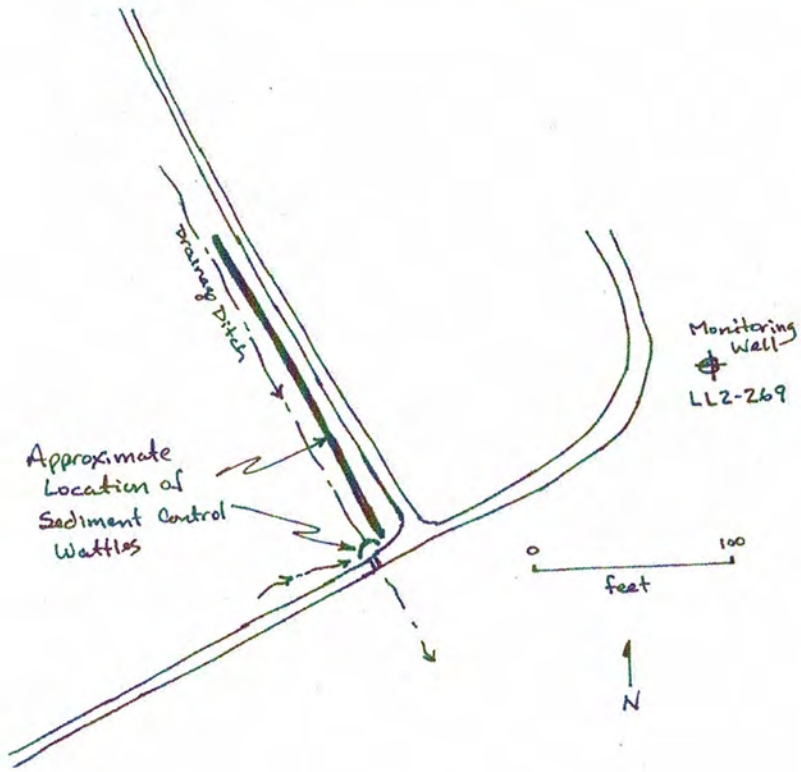
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 3/30/2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications:

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
3/27/2020			1.34 (inches)	N
3/28/2020			0.95 (inches)	N
3/26/2020			0.28 (inches)	N
3/25/2020			0.22 (inches)	N

Weather Information at the Time of Inspection

- Youngstown NWS

Temperature 47 Climate (Sunny, Cloudy, Rain)? Cloudy Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached figure). All wattles are intact. Approx 2-3 feet of wattles are under water (Location A on figure). Pond levels are elevated due to recent rain.

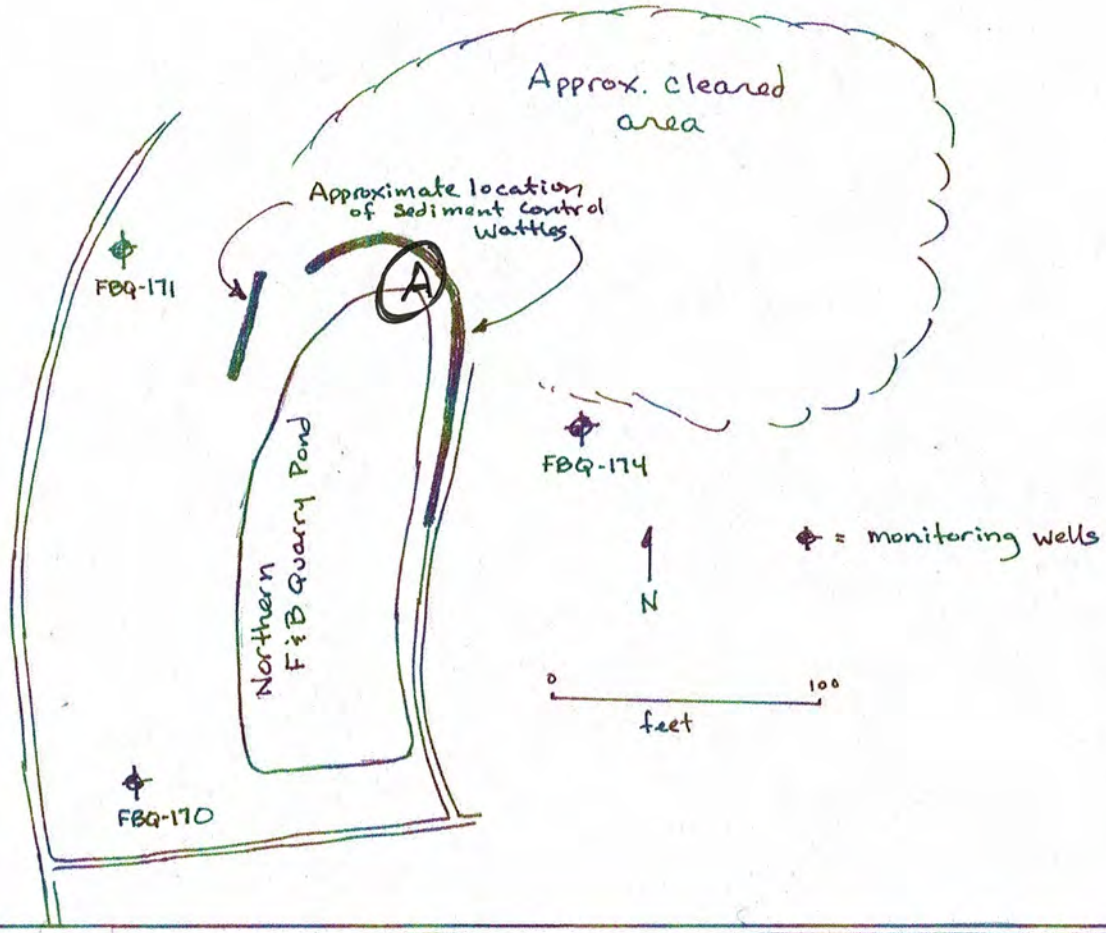
INLET PROTECTION

Key things to look for ...

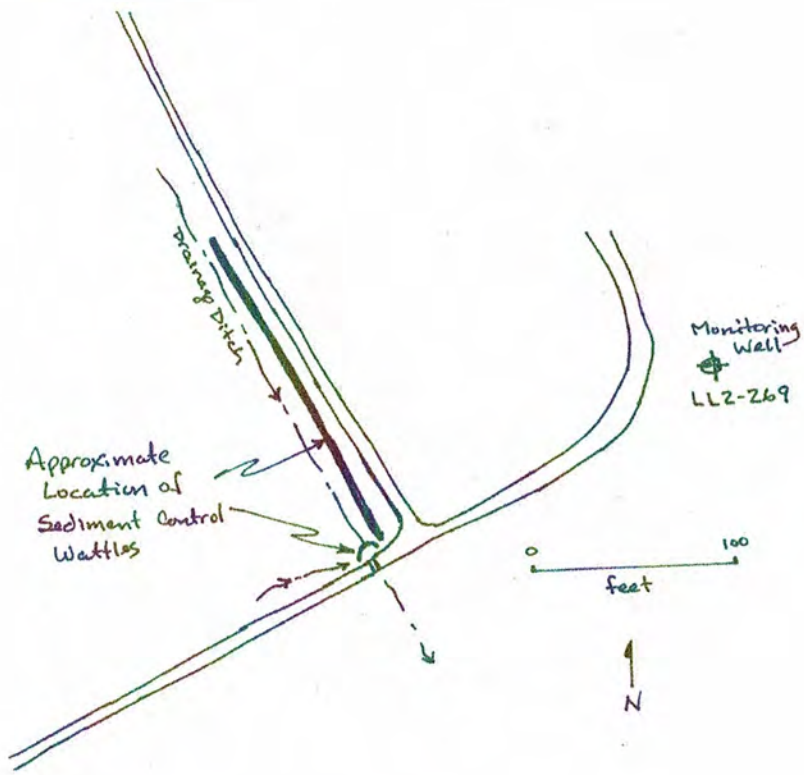
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags? N/A	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 4/6/2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
3/31/2020			0.02 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 45 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached figure). All wattles are intact. Approx 2 feet of wattles are underwater (location A on figure).

INLET PROTECTION

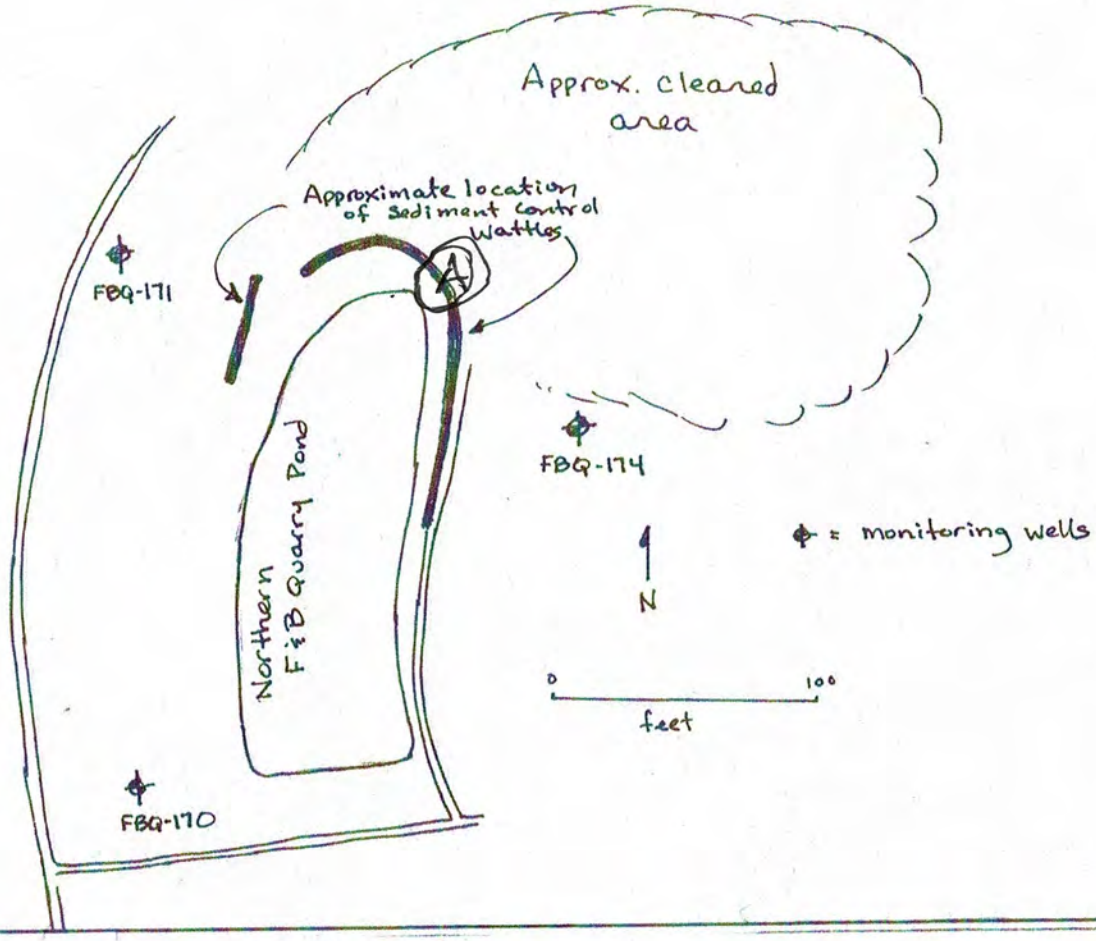
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



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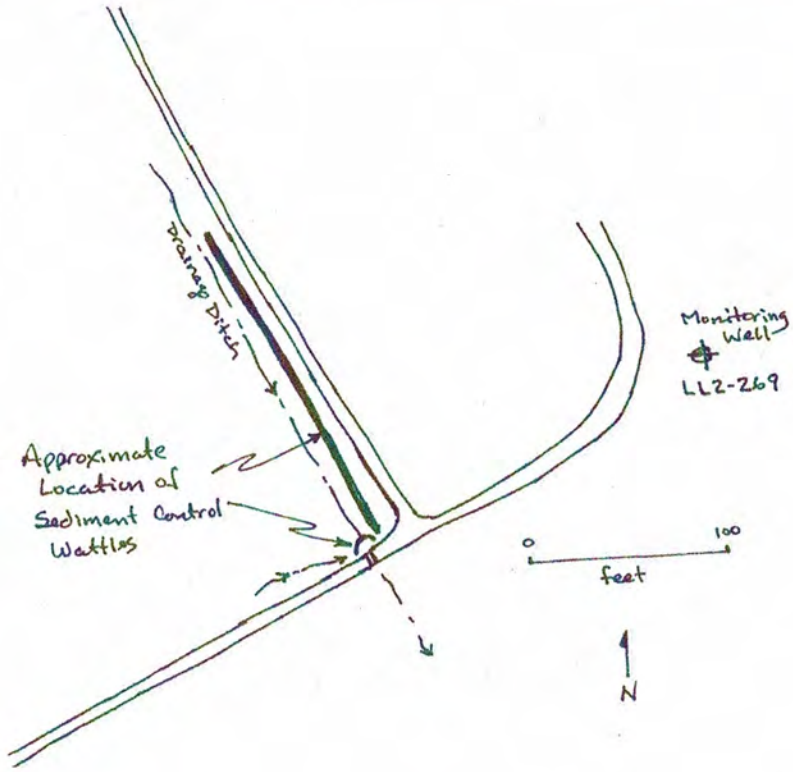
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 4/13/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
4/6/2020			0.47 (inches)	N
4/7/2020			0.25 (inches)	N
4/8/2020			0.12 (inches)	N
4/11/2020			0.21 (inches)	N

Weather Information at the Time of Inspection

Temperature 55 Climate (Sunny, Cloudy, Rain)? Rain Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

FUZE & BOOSTER QUARRY PONDS

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Barriers consist of sediment control wattles (see attached figure). All wattles are intact. Approximately 2 feet of wattles are submerged (location marked 'A' on figure).

INLET PROTECTION

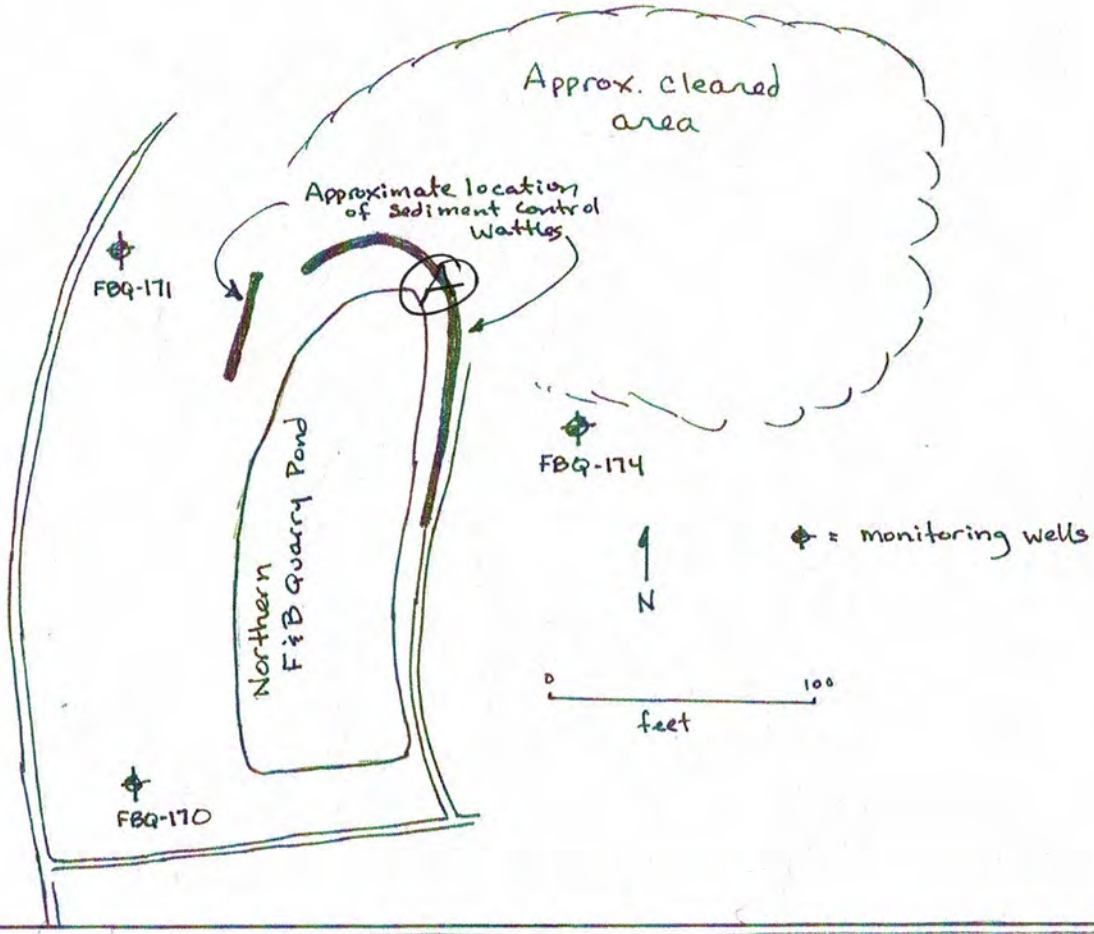
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



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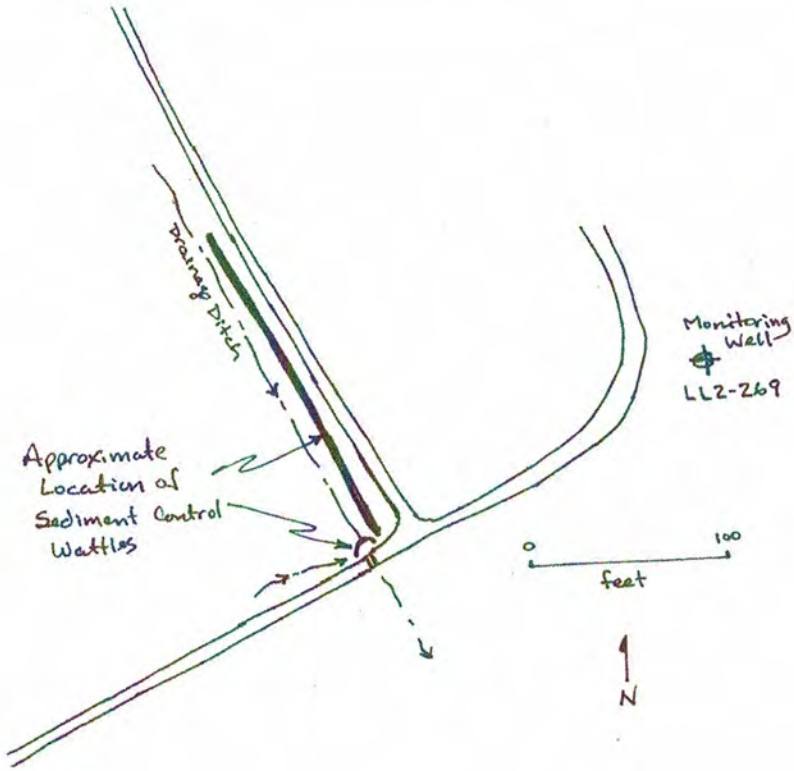
Sediment Protection



Fuze & Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 4/20/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications:

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
4/14/2020			0.07 (inches)	N
4/15/2020			0.09 (inches)	N
4/16/2020			0.48 (inches)	N
			(inches)	

Weather Information at the Time of Inspection

Temperature 40 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (See attached Figure). All wattles are intact.

INLET PROTECTION

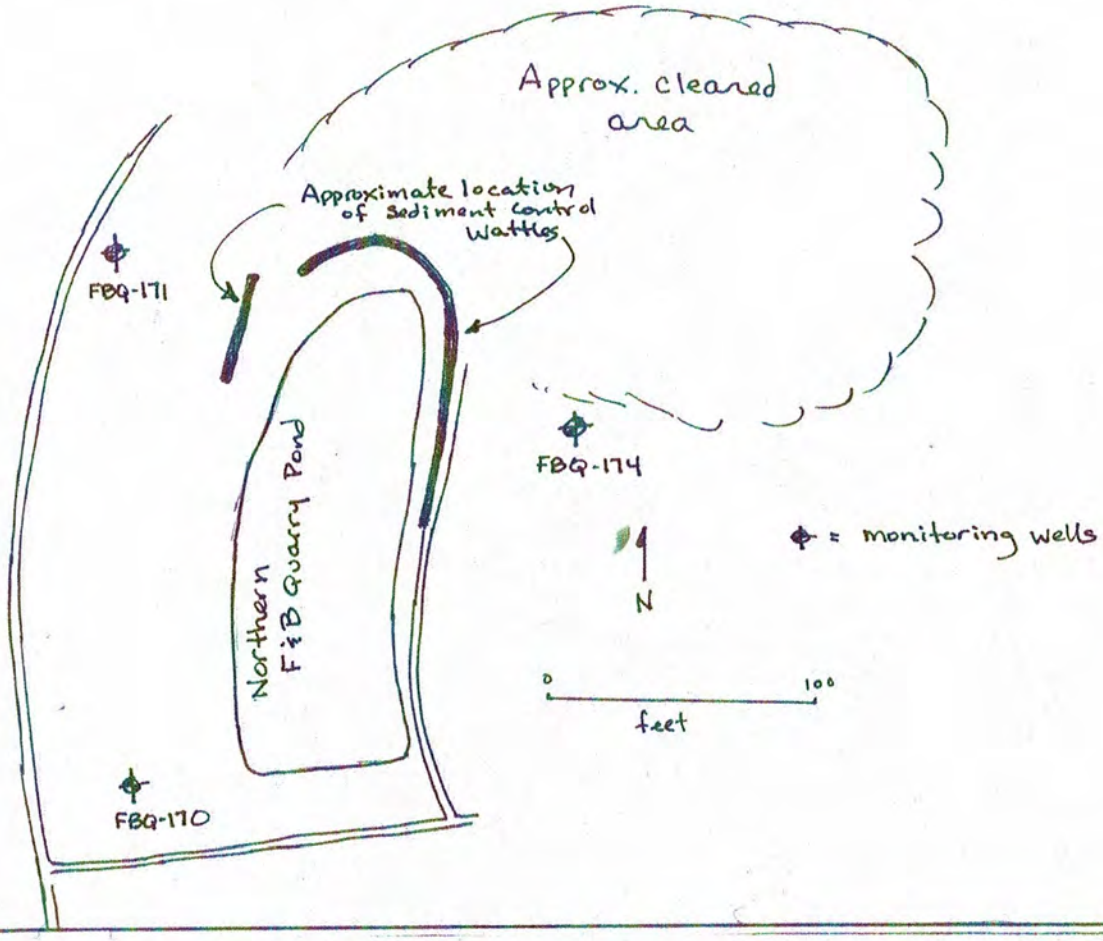
Key things to look for ...

N/A

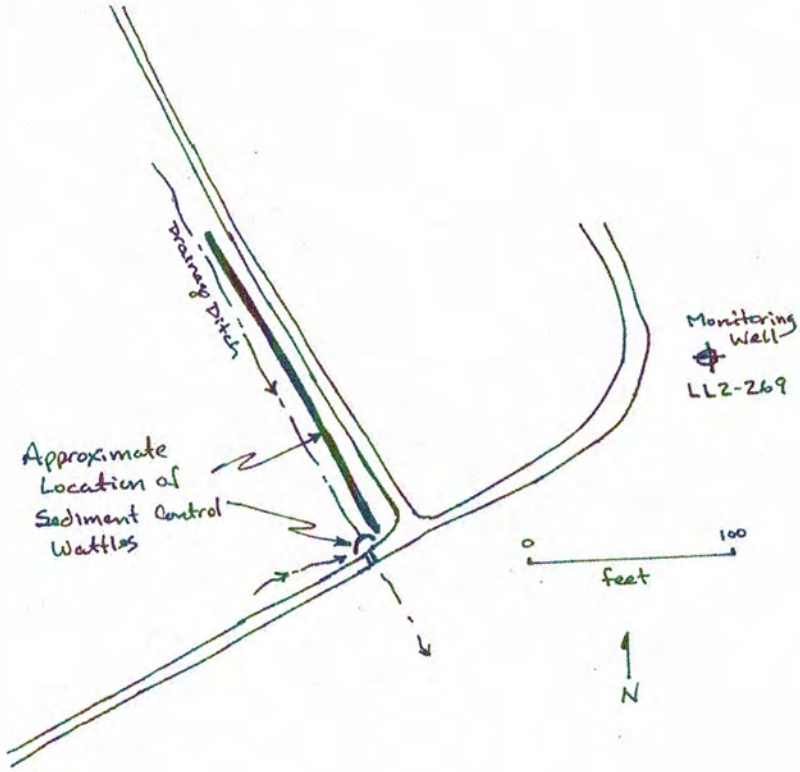
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Fuze: Booster Quarry Ponds / Load Line 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 4/27/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
4/25/2020			0.45 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 47 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached figure).

All wattles are intact.

INLET PROTECTION

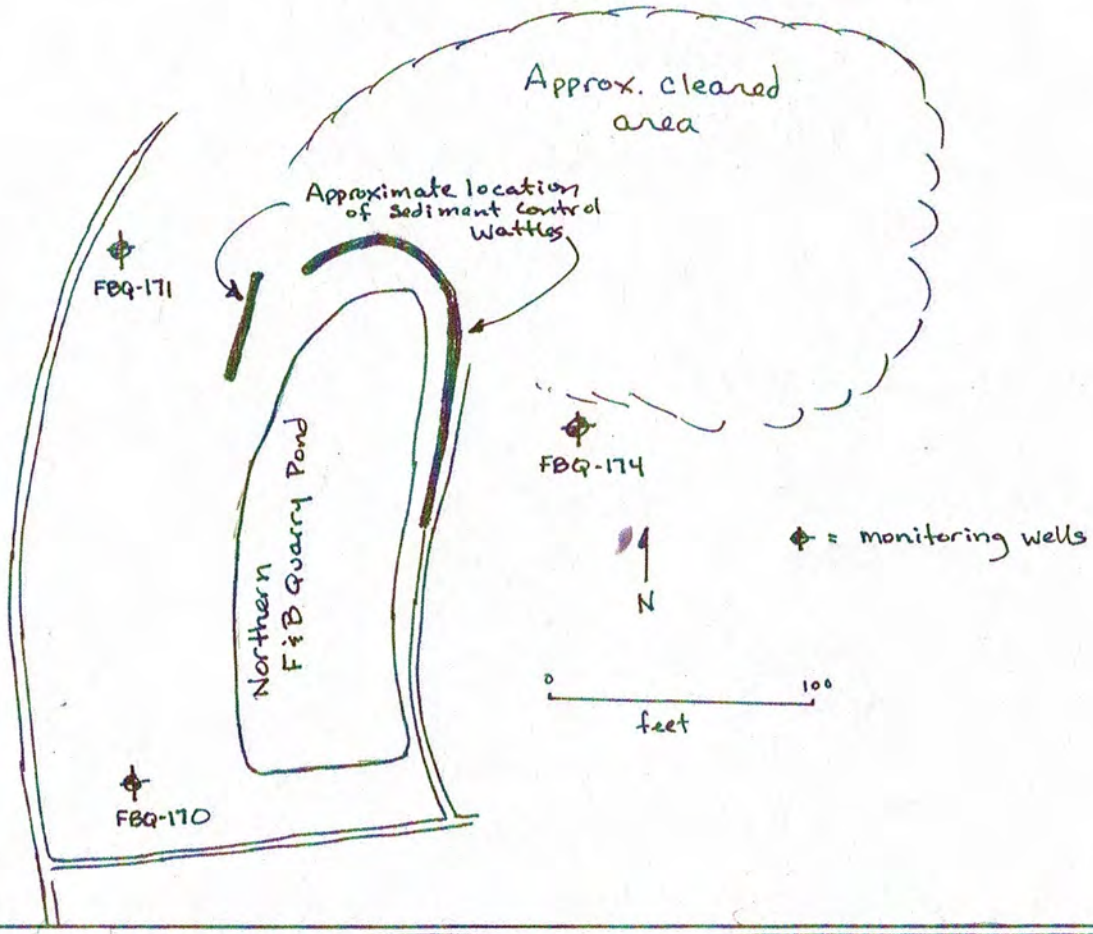
Key things to look for ...

N/A

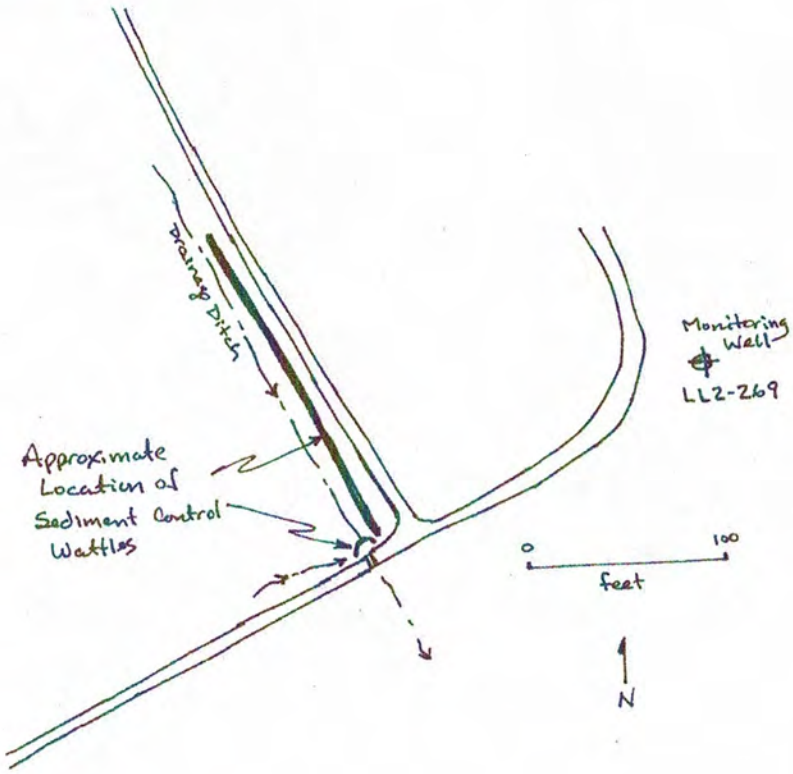
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Fuze & Booster Quarry Ponds / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 5/4/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
4/28/2020			0.46 (inches)	N
4/30/2020			0.24 (inches)	N
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 47° Climate (Sunny, Cloudy, Rain)? Cloudy Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (See attached Figure).

All wattles are intact.

INLET PROTECTION

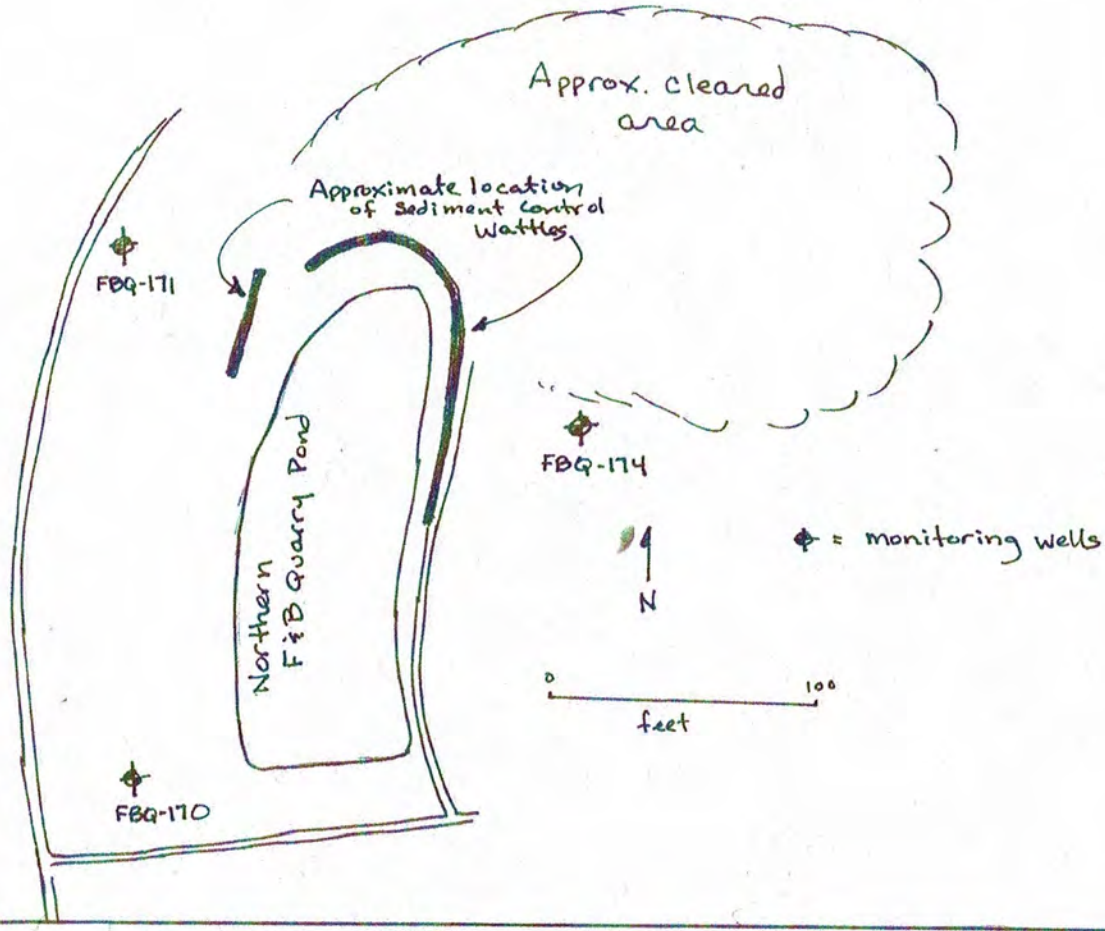
Key things to look for ...

N/A

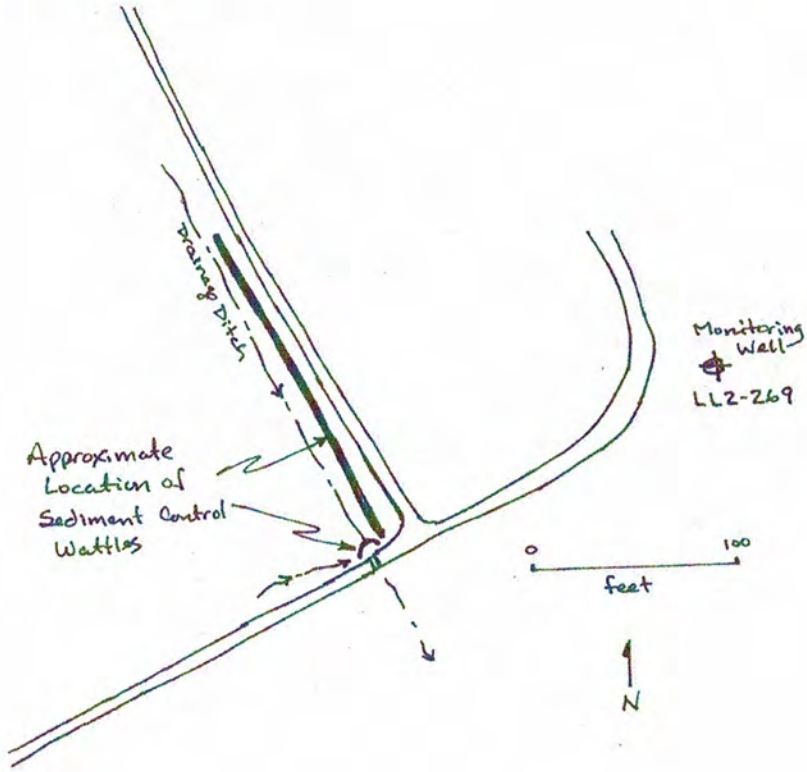
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 5/11/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
5/9/2020			0.03 (inches)	N
5/10/2020			0.34 (inches)	N
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 36° Climate (Sunny, Cloudy, Rain)? Cloudy Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control Wattles (see attached figure).

All wattles are intact.

INLET PROTECTION

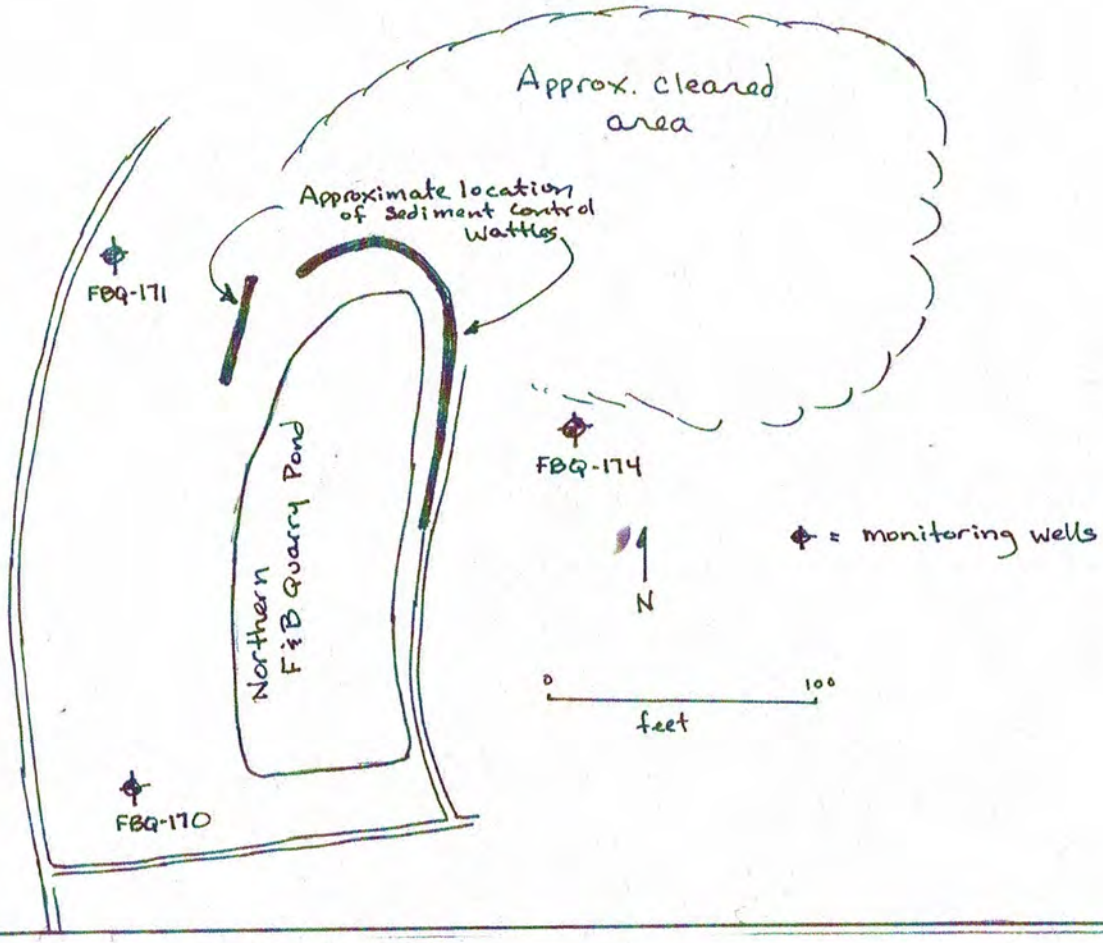
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



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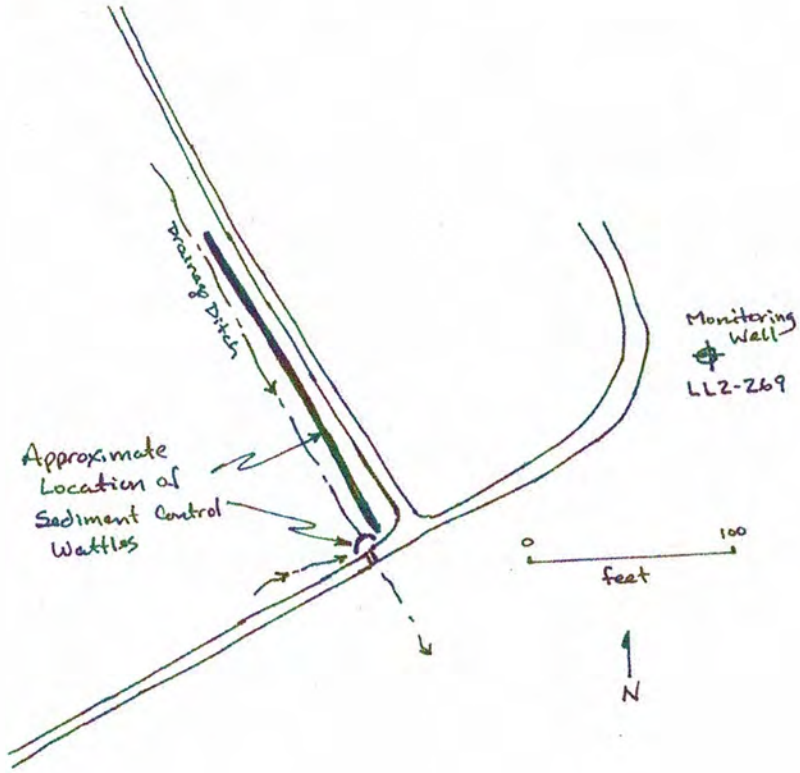
Sediment Protection



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 5/18/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
5/14/2020			0.24 (inches)	N
5/15/2020			0.52 (inches)	N
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 61° Climate (Sunny, Cloudy, Rain)? lgt. rain Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of Sediment Control Wattles (see attached Figure).

All wattles are intact.

INLET PROTECTION

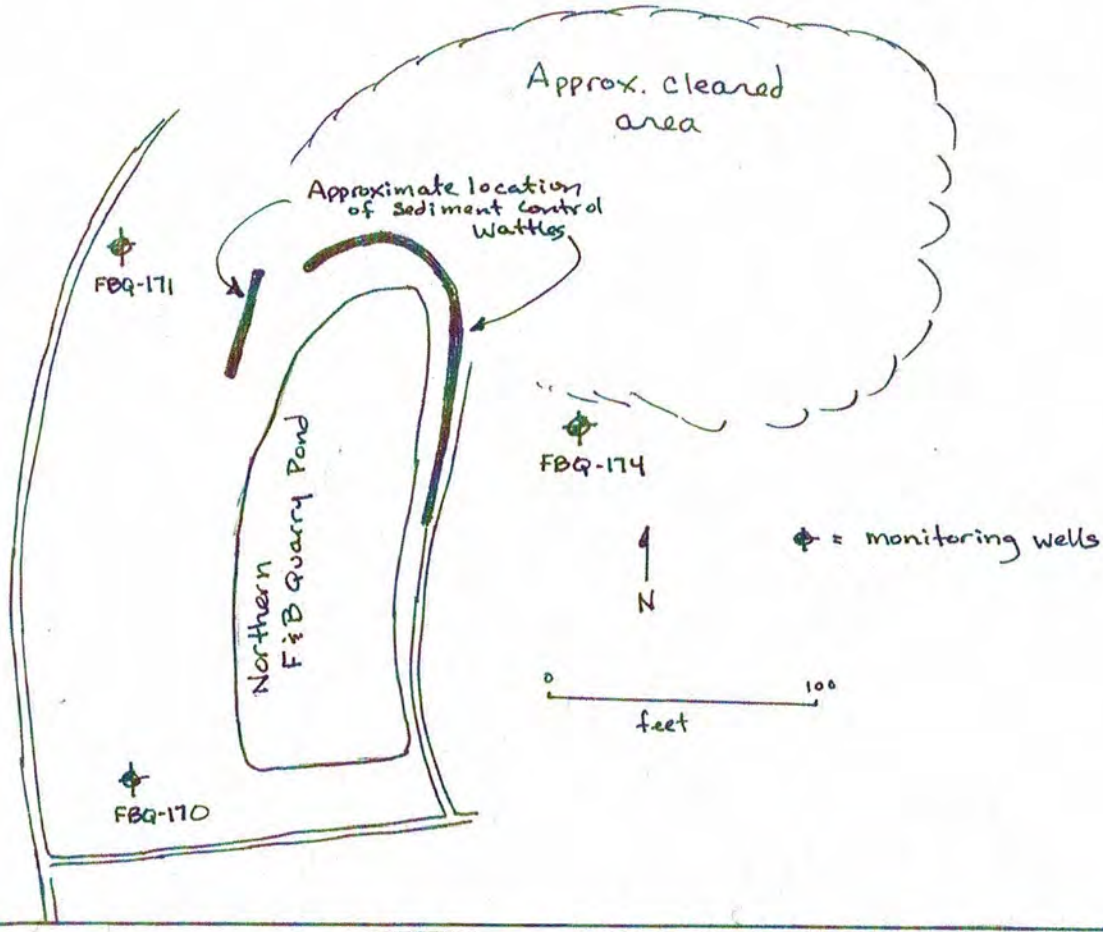
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



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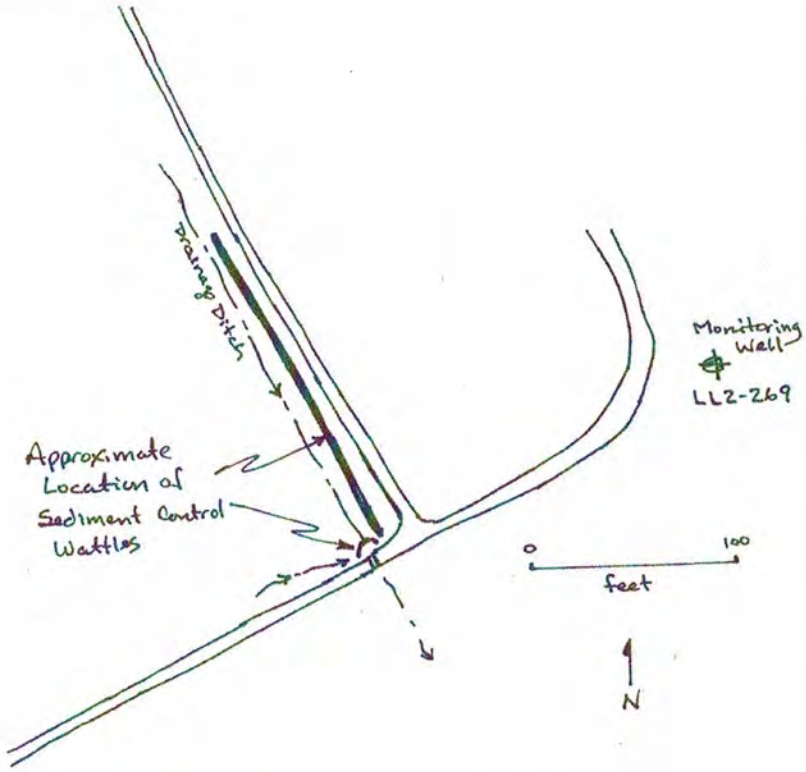
Sediment Protection



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 5/26/2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
5/18/2020			1.35 (inches)	NO
5/19/2020			0.19 (inches)	
5/22/2020			0.46 (inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 76 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (see attached Figure).

All wattles are intact.

INLET PROTECTION

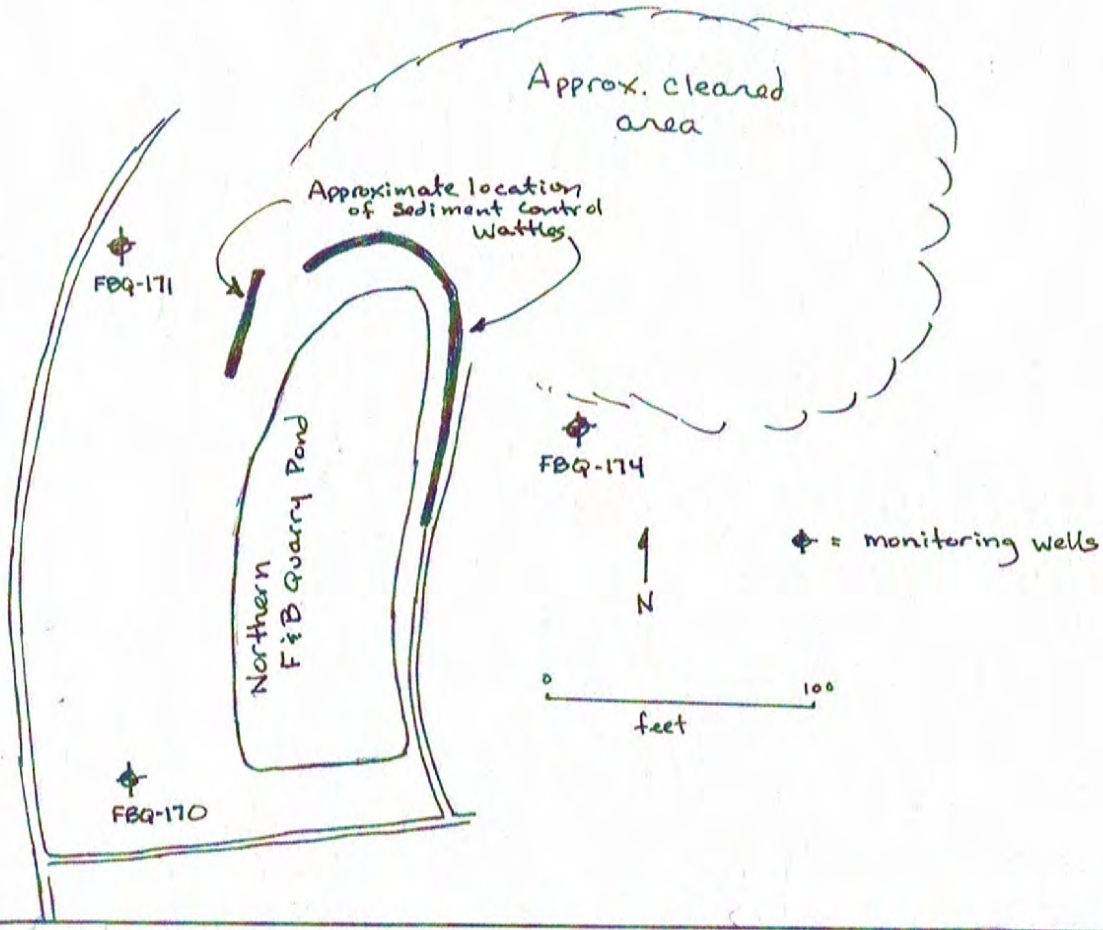
Key things to look for ...

N/A

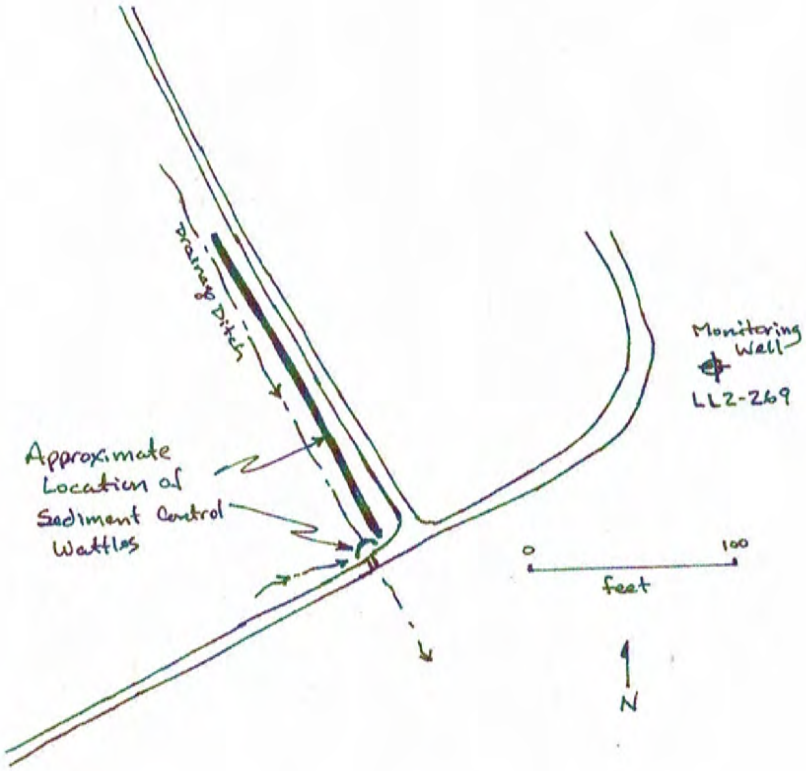
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 6/1/2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
5/28/2020			0.69 (inches)	N
5/29/2020			0.48 (inches)	N
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 59 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? No

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze and Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (See attached Figure).

All wattles are intact.

INLET PROTECTION

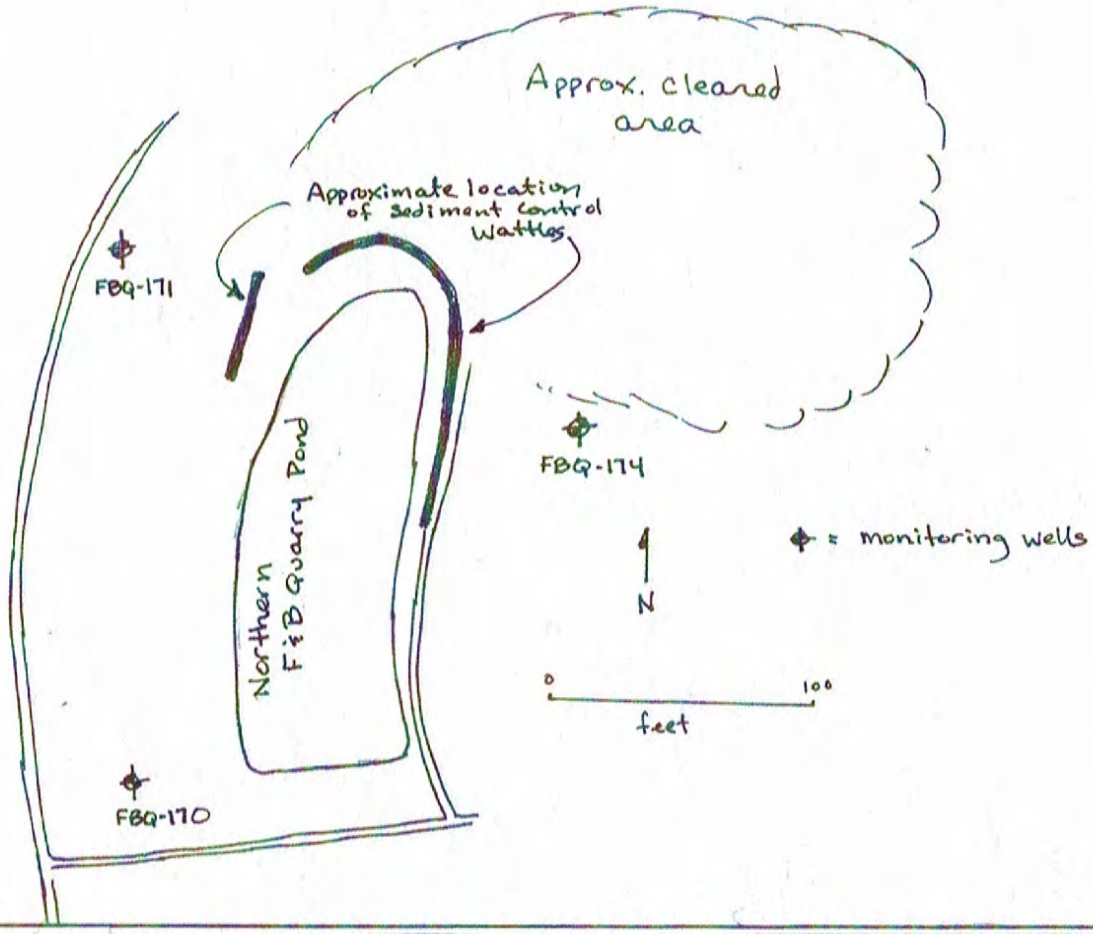
Key things to look for ...

N/A

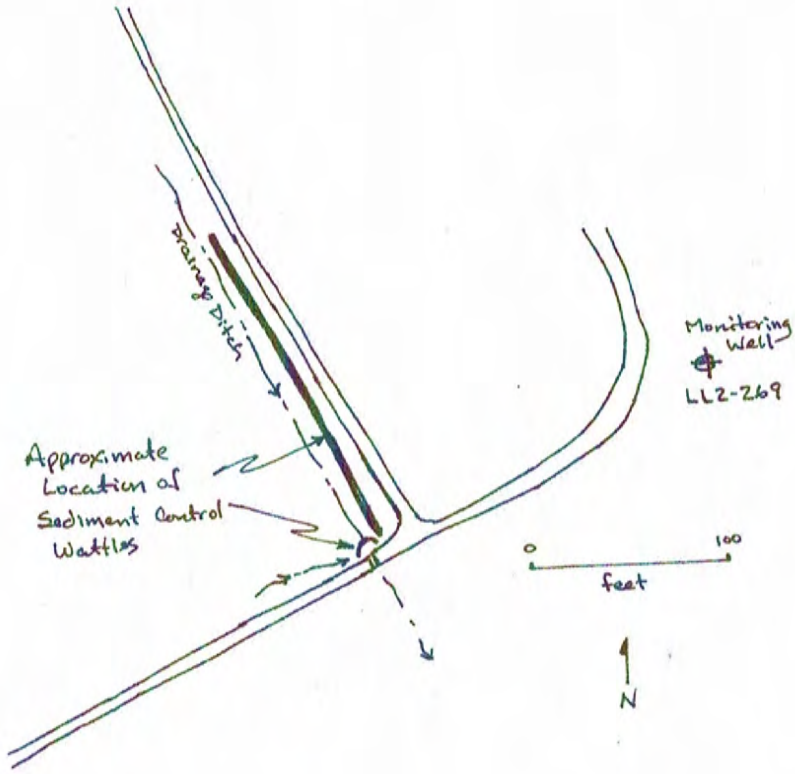
	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER QUARRY PONDS
Sediment Protection



LOAD LINE 2
Sediment Protection



Quarry Pond

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date 6/10/20 Inspector Name Allen Campione

Inspector Title Site Mgr / SSHO Qualifications/Certifications

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
			(inches)	
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 81 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		✓	
2. Is the stone 2-inch diameter?	✓		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	✓		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	✓		
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT PONDS

N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

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_____

SEDIMENT BARRIERS N/A

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

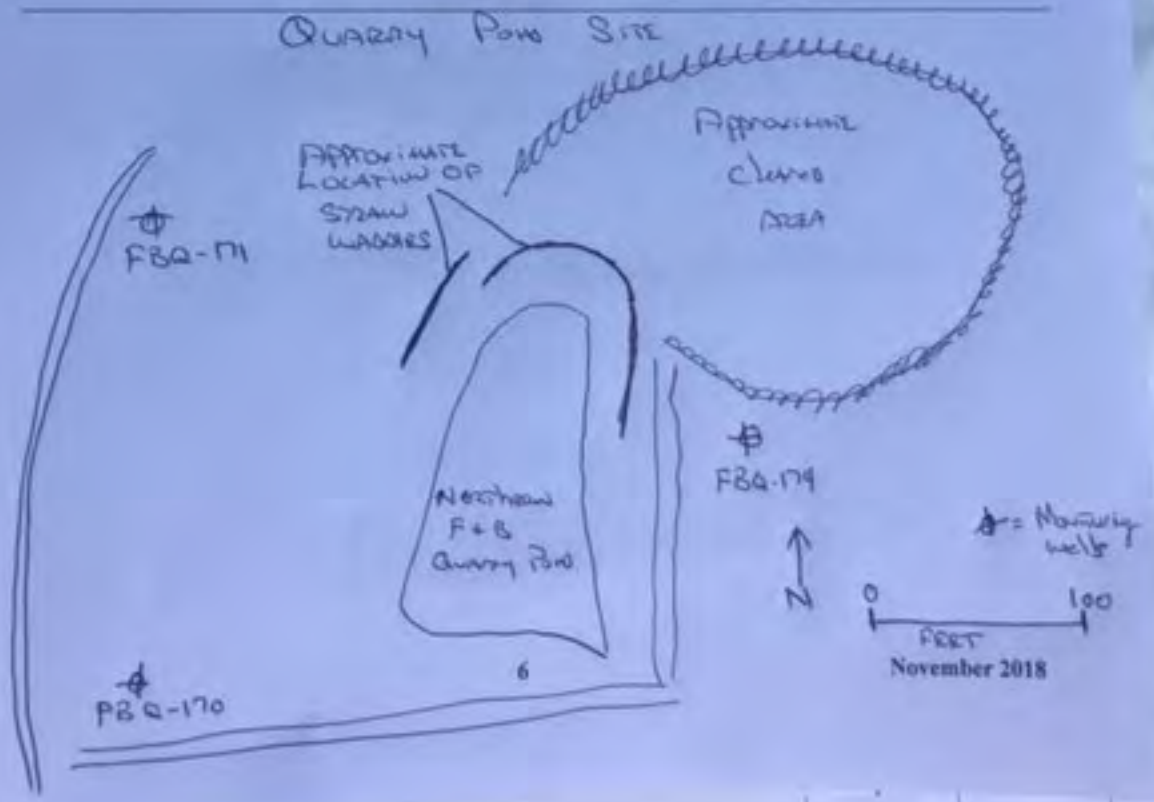
_____

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.		
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.		
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?		
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.		
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?		
6. Have stream crossings been constructed entirely of non-erodible material?		
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied.



November 2018

Quarry Road

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 6/16/20 Inspector Name: Allen Campbell

Inspector Title: Site Mgr / SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
			(inches)	
	N/A		(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 76 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? No

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	✓	
2. Is the stone 2-inch diameter?	✓	
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	✓	
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	N/A	
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	N/A	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT PONDS

Key things to look for ...

	Yes		No
1. Are concentrated flows of runoff directed to a sediment pond?			✓
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?			✓
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?			✓
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?		N/A	
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?		N/A	
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?		N/A	
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?		N/A	
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?		N/A	
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?		N/A	
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?		N/A	
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.		N/A	
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?		N/A	
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?		N/A	
14. Was the basin installed prior to grading the site?		N/A	
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.		N/A	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT BARRIERS N/A

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

N/A

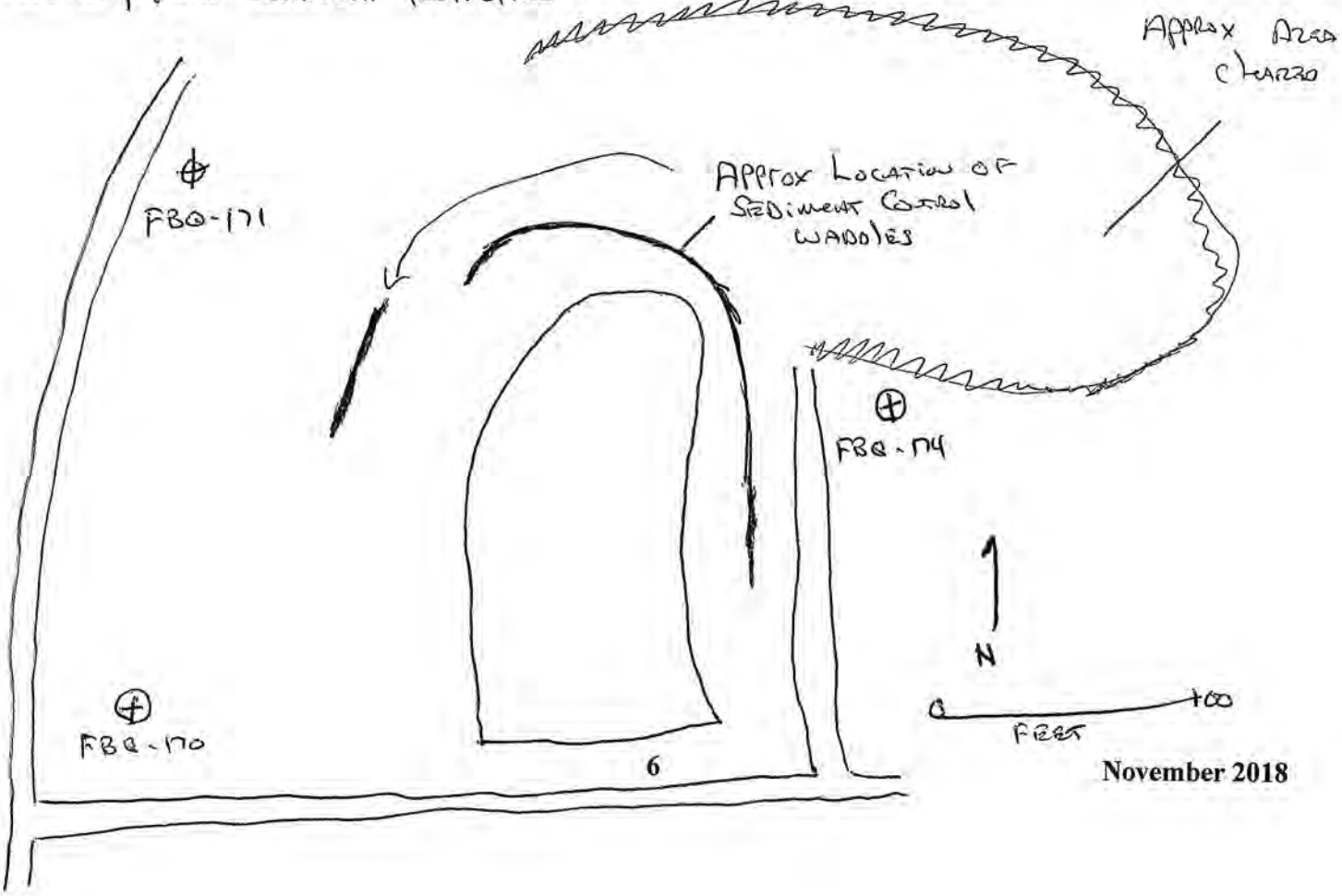
NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

QUARRY POND SEDIMENT PROTECTION



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: June 30, 2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications: _____

Storm Events of the Last 7 Days*

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
June 23, 2020			0.21 (inches)	N
June 25, 2020			0.29 (inches)	N
June 27, 2020			0.97 (inches)	N
			(inches)	

Weather Information at the Time of Inspection

Temperature 84°F Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ... N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

* Rainfall amounts from "W2.weather.gov/climate/index.php?wfo=cle" Amounts measured at National Weather site in Youngstown, OH.

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (See attached figure for Fuze & Booster Quarry Ponds). ~~All~~ All wattles are intact.

INLET PROTECTION

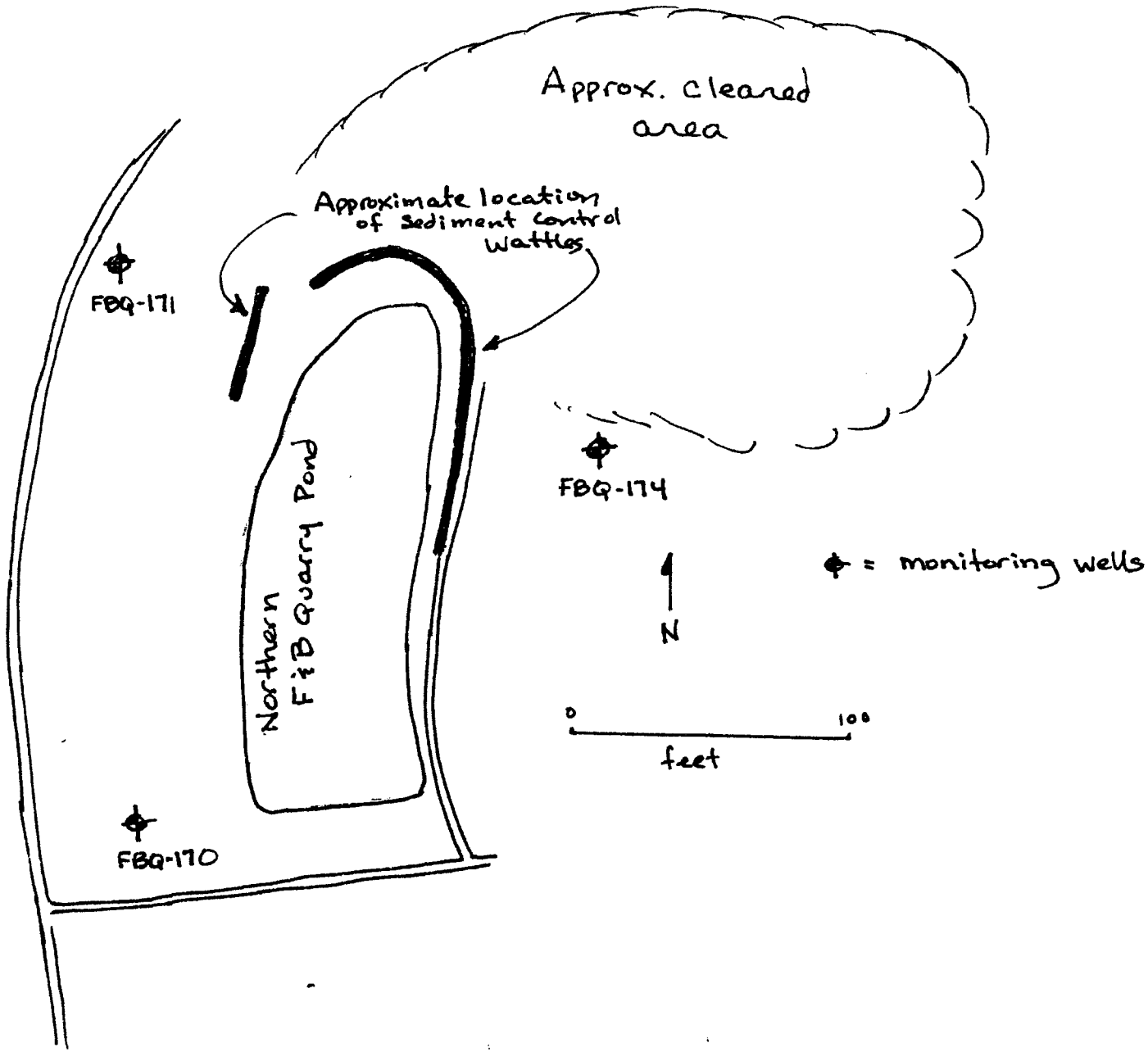
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds
Sediment Protection



FUZE & BOOSTER QUARRY PONDS / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: July 7, 2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications: _____

Storm Events of the Last 7 Days *

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
0.0" of rain			(inches)	
from June 30 -			(inches)	
July 6			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 83°F Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

* Rainfall amounts from "W2.weather.gov/climate/index.php?wfo=cle"
Amounts recorded at NWS in Youngstown, OH.

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (See attached figure for Fuze & Booster Quarry Ponds). All wattles are intact.

INLET PROTECTION

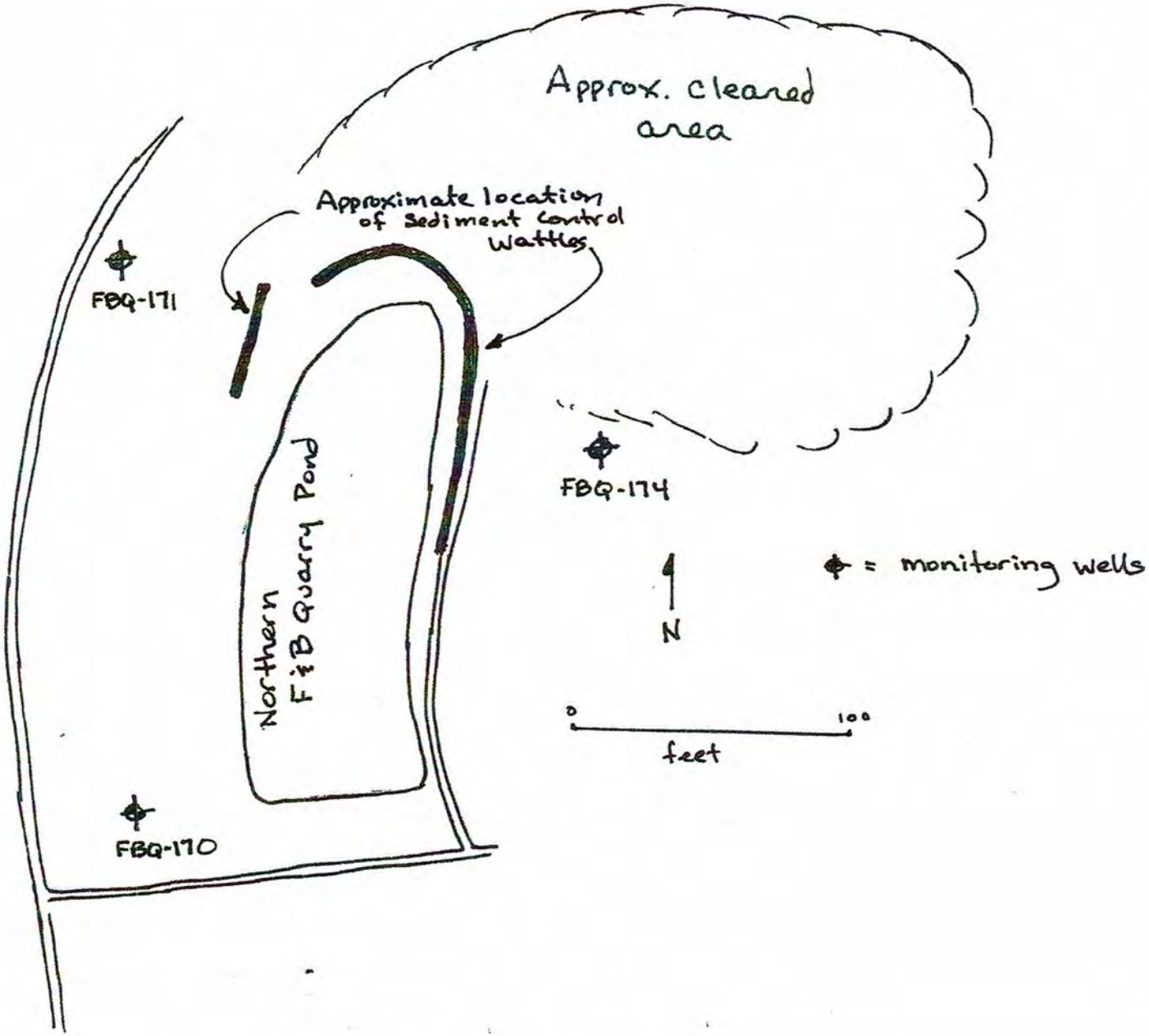
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

FUZE & BOOSTER Quarry PONDS
Sediment Protection



Fuze & Booster Quarry Ponds / LOAD LINE 2

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: July 13, 2020 Inspector Name: Al Brillinger

Inspector Title: Program Manager Qualifications/Certifications: _____

Storm Events of the Last 7 Days

*Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
July 10, 2020			2.48 (inches)	N
July 11, 2020			0.90 (inches)	N
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 74 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

* Rainfall amounts from "w2.weather.gov/climate/index.php?wfo=cle"
Amounts recorded at NWS in Youngstown, OH

Fuze & Booster Quarry Ponds

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment barriers consist of sediment control wattles (see attached figure for Fuze & Booster Quarry Ponds). All wattles are intact.

INLET PROTECTION

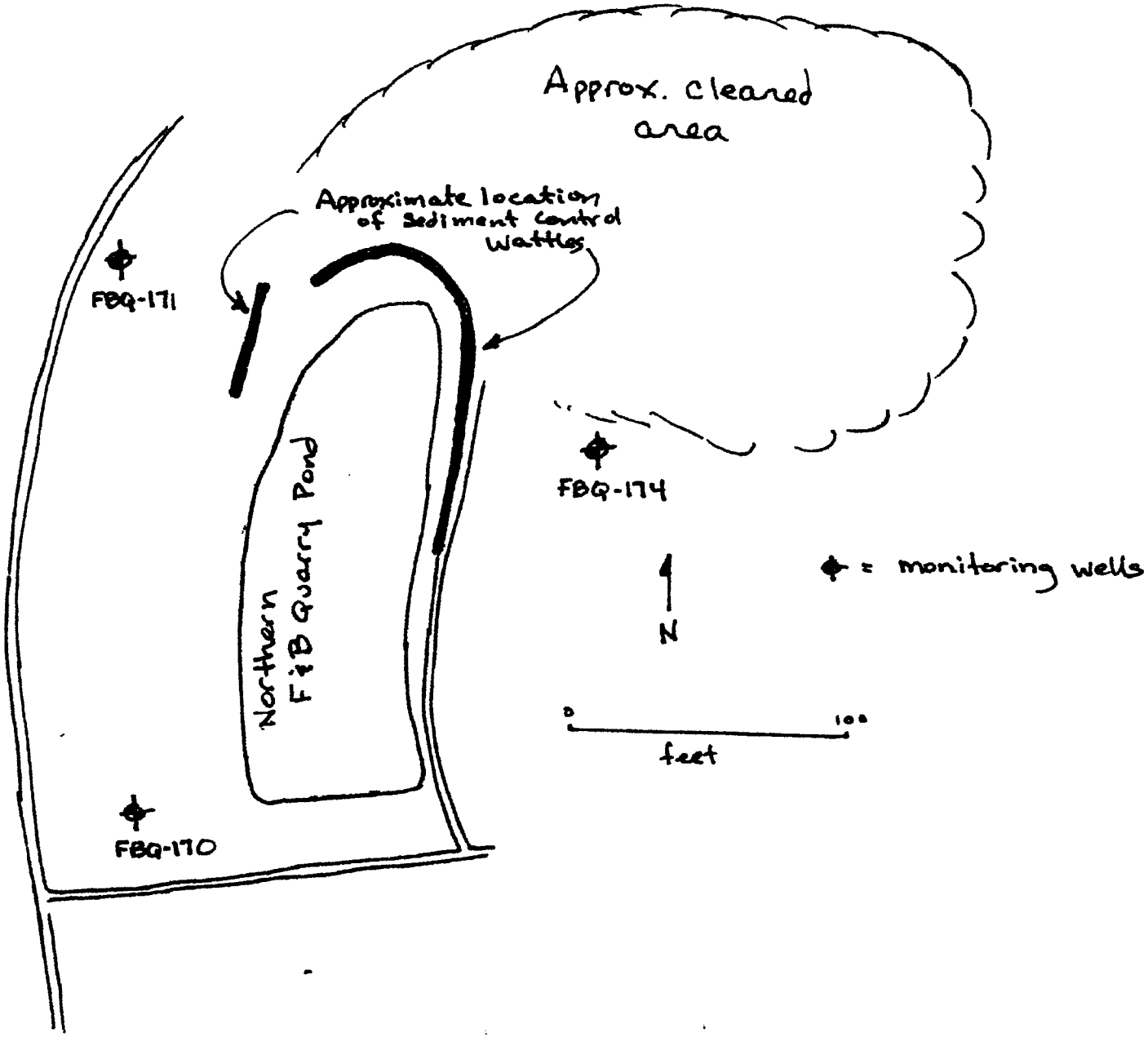
Key things to look for ...

N/A

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Fuze & Booster Quarry Ponds
Sediment Protection



QUARRY POND

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 7/20/20 Inspector Name: ALLEN CAMPIONE

Inspector Title: SITE MGR. Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
			(inches)	
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 81 Climate (Sunny, Cloudy, Rain)? SUNNY Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?	✓		
2. Is the stone 2-inch diameter?	✓		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	✓		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	✓		
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?		
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?		
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?		
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?		
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?		
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?		
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?		
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?		
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?		
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?		
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.		
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?		
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?		
14. Was the basin installed prior to grading the site?		
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT BARRIERS N/A

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

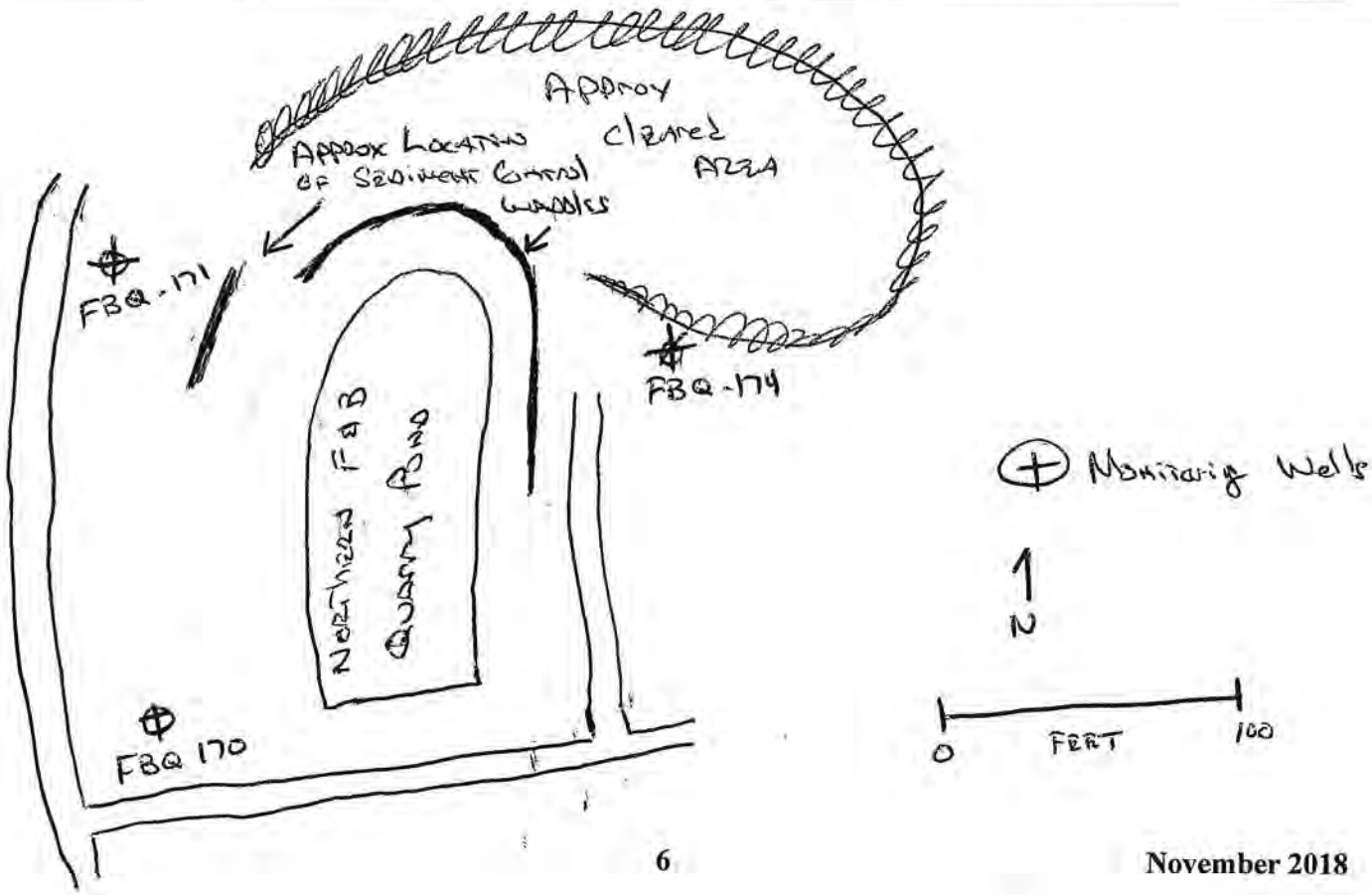
_____

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



QUARRY POND SEDIMENT PROTECTION

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 7/27/20 Inspector Name: Allen Campione

Inspector Title: Site Mgr / SSID Qualifications/Certifications:

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
7/21/20	0855	1000	0.03 (inches)	NO
7/22/20	0450	0738	0.13 (inches)	NO
7/23/20	0351	0551	0.01 (inches)	NO
			(inches)	

Weather Information at the Time of Inspection

Temperature 83 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NO REPAIRS REQUIRED

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Waddles are intact and in Good Shape.

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

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NON-SEDIMENT POLLUTION CONTROL N/A

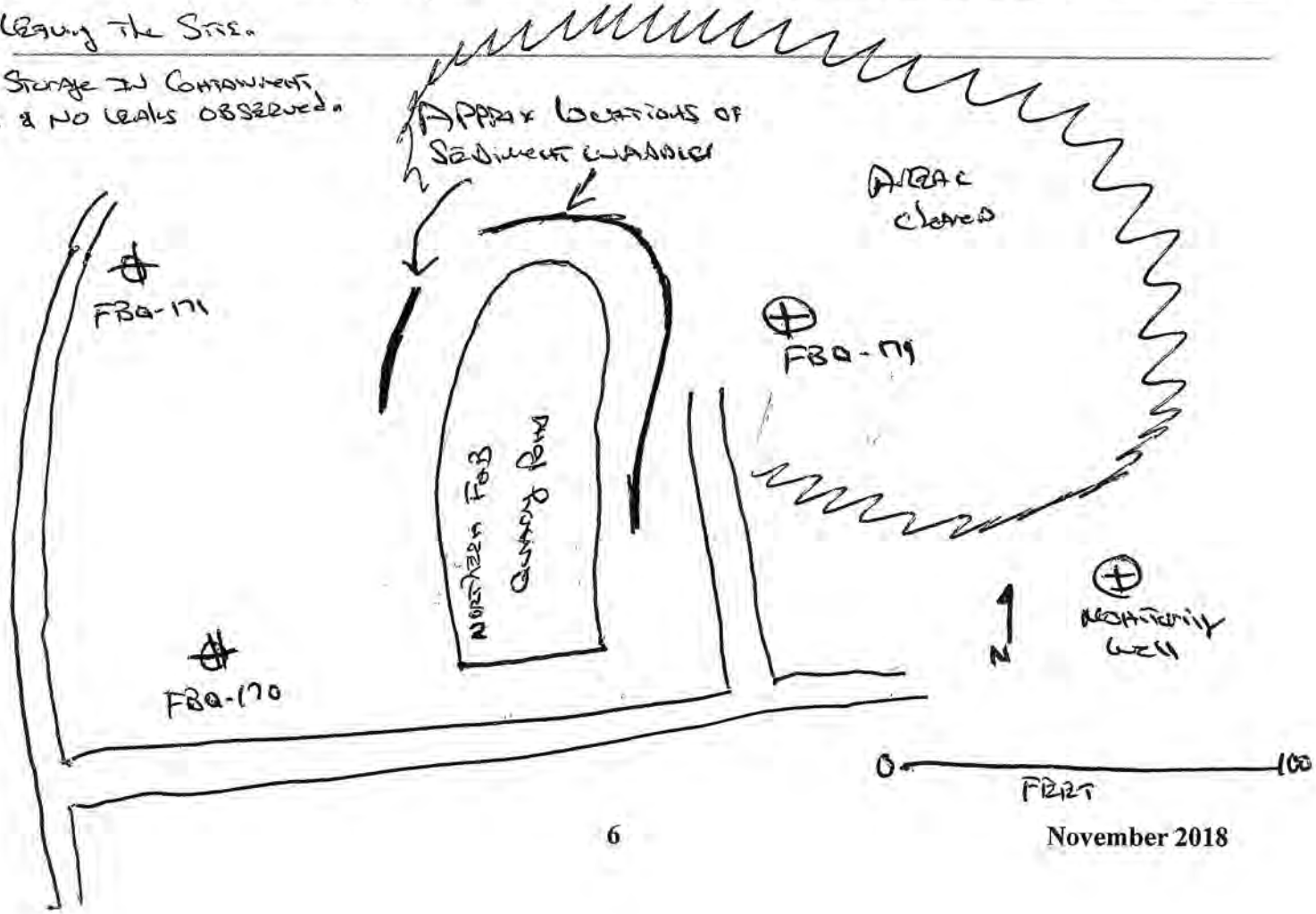
Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment was swept up from the roadway to reduce/eliminate sediment leaving the site.

Fuel storage in containment dyke & no leaks observed.



Quarry Pond Sediment Protection

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 07/28/20 Inspector Name: Allen Campione

Inspector Title: Site Mgr./SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
7/27/20	1619	1824 2HR 5MIN	.08 (inches)	NO
7/28/20	0251	0519 2H 28MIN	.02 (inches)	NO
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 83 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NO REPAIRS NEEDED

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT CONTROL WADDLES ARE IN TACT AND IN good shape

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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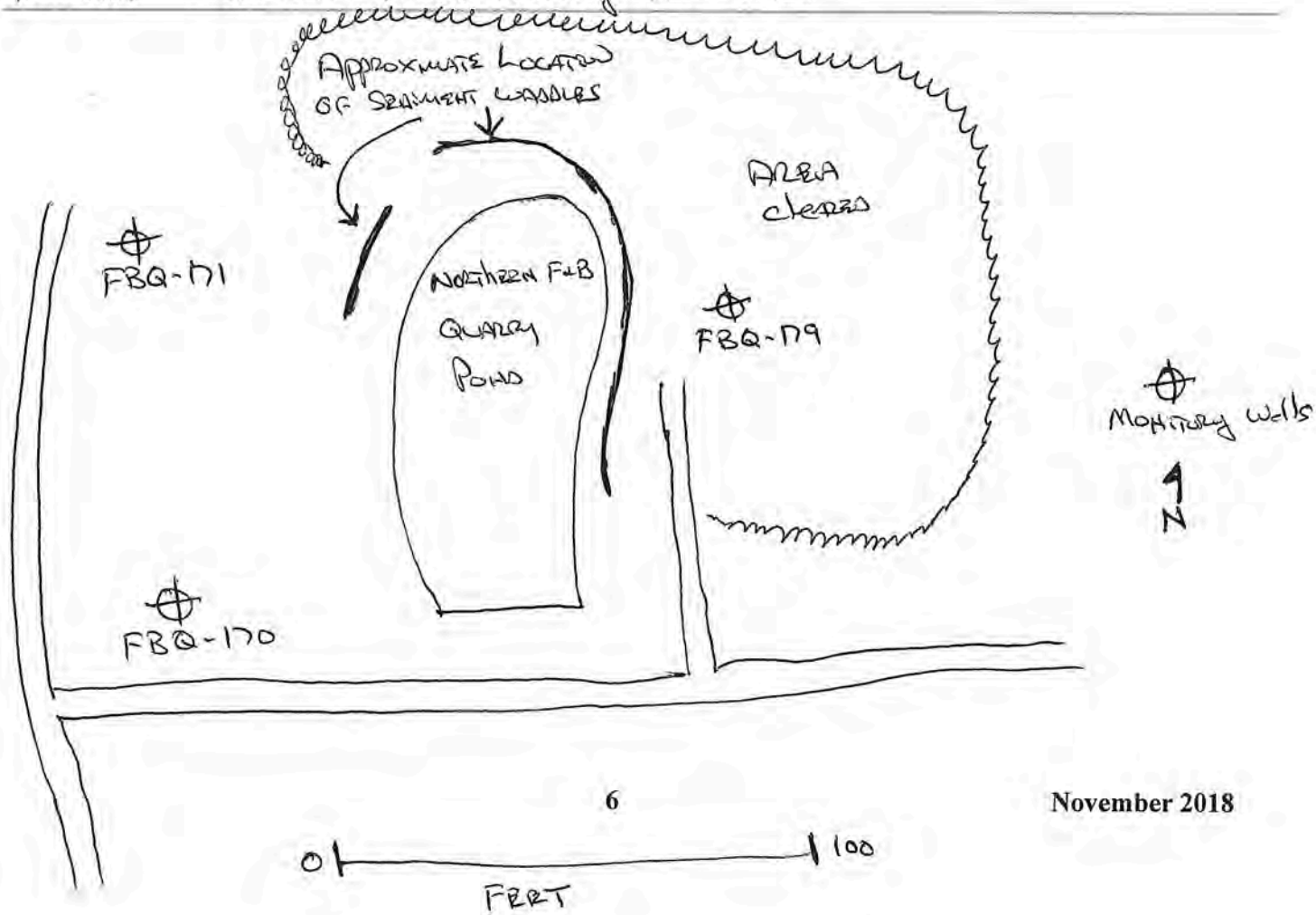
NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT IS SWEPT UP FROM THE ROADWAY DAILY TO PREVENT SEDIMENT FROM LEAVING THE SITE.



QUARRY POND SEDIMENT PROTECTION

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 8/3/20 Inspector Name: ALLEN CAMPIONE

Inspector Title: SITE MGR / SSLAO Qualifications/Certifications:

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
8/1/20	0824	1022 / 1HR 58M	.36 (inches)	NO
8/2/20	1451	1817 / 3H 26M	.09 (inches)	NO
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 78 Climate (Sunny, Cloudy, Rain)? SUNNY Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?		X
2. Is the stone 2-inch diameter?	X	
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X	
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?		N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?		N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NO REPAIRS NEEDED

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT CONTROL WADDLES ARE IN GOOD SHAPE AND NEED NO REPAIR

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

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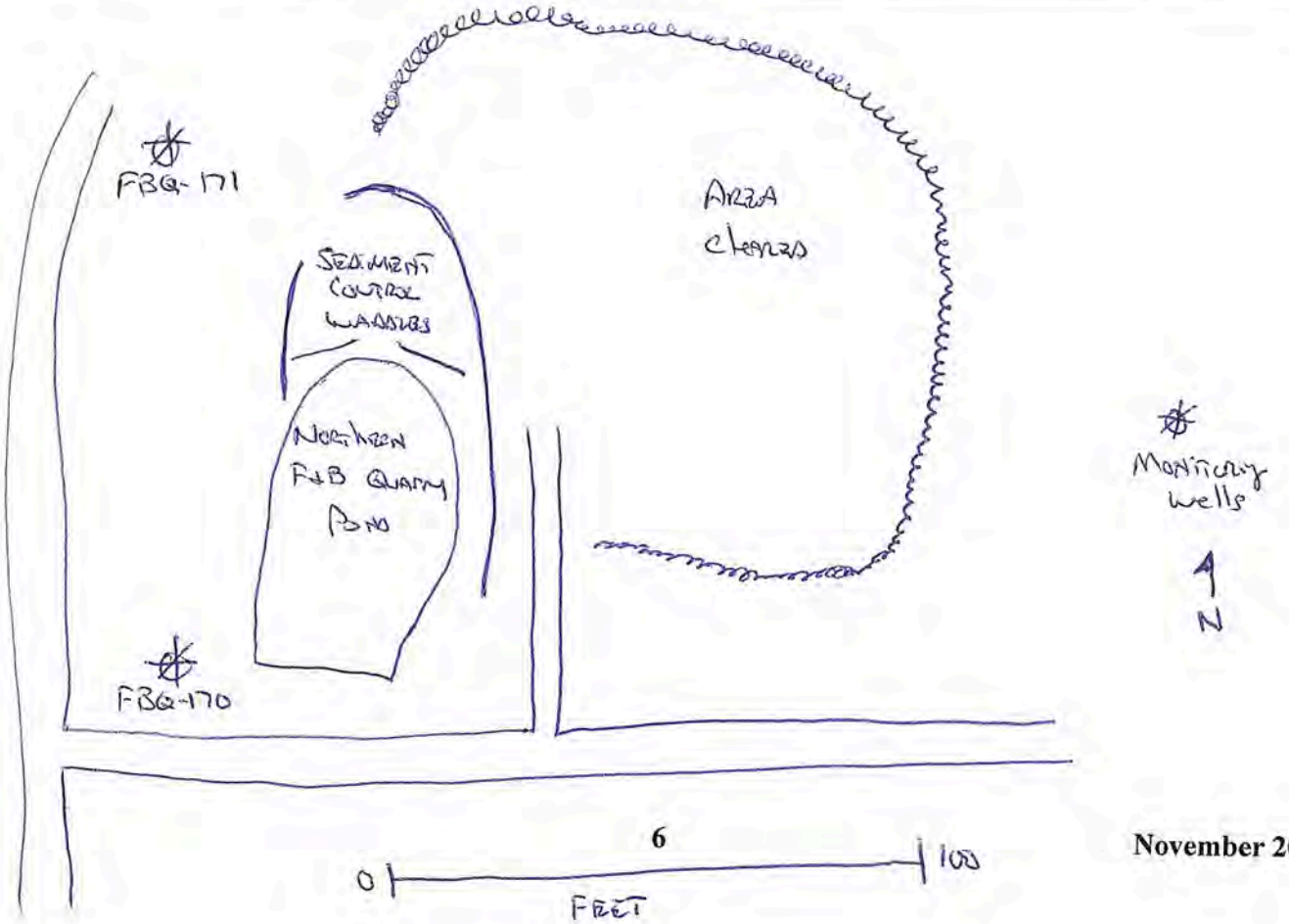
NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT IS SWEPT UP FROM THE ROAD DAILY TO PREVENT SEDIMENT FROM LEAVING THE SITE.



QUARRY POND SEDIMENT PROTECTION

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 8/10/20 Inspector Name: ALLEN CAMPIONE

Inspector Title: SITE MGR / SSLAD Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
8/3/20	1724	1951	0.1 (inches)	No
8/4/20	1527	1750	0.19 (inches)	No
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 80 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			NA
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			NA

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NO REPAIRS NEEDED

SEDIMENT PONDS N/A

Key things to look for ...

		Yes	No
1.	Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2.	Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3.	Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4.	Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5.	Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6.	Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7.	Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8.	Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9.	For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10.	For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11.	Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12.	Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13.	For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14.	Was the basin installed prior to grading the site?	☐	☐
15.	Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT CONTROL LOGS ARE SECURE AND NEED NO REPAIR

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	☐	☐
2. Has the soil been properly prepared to accept permanent seeding?	☐	☐
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	☐	☐
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

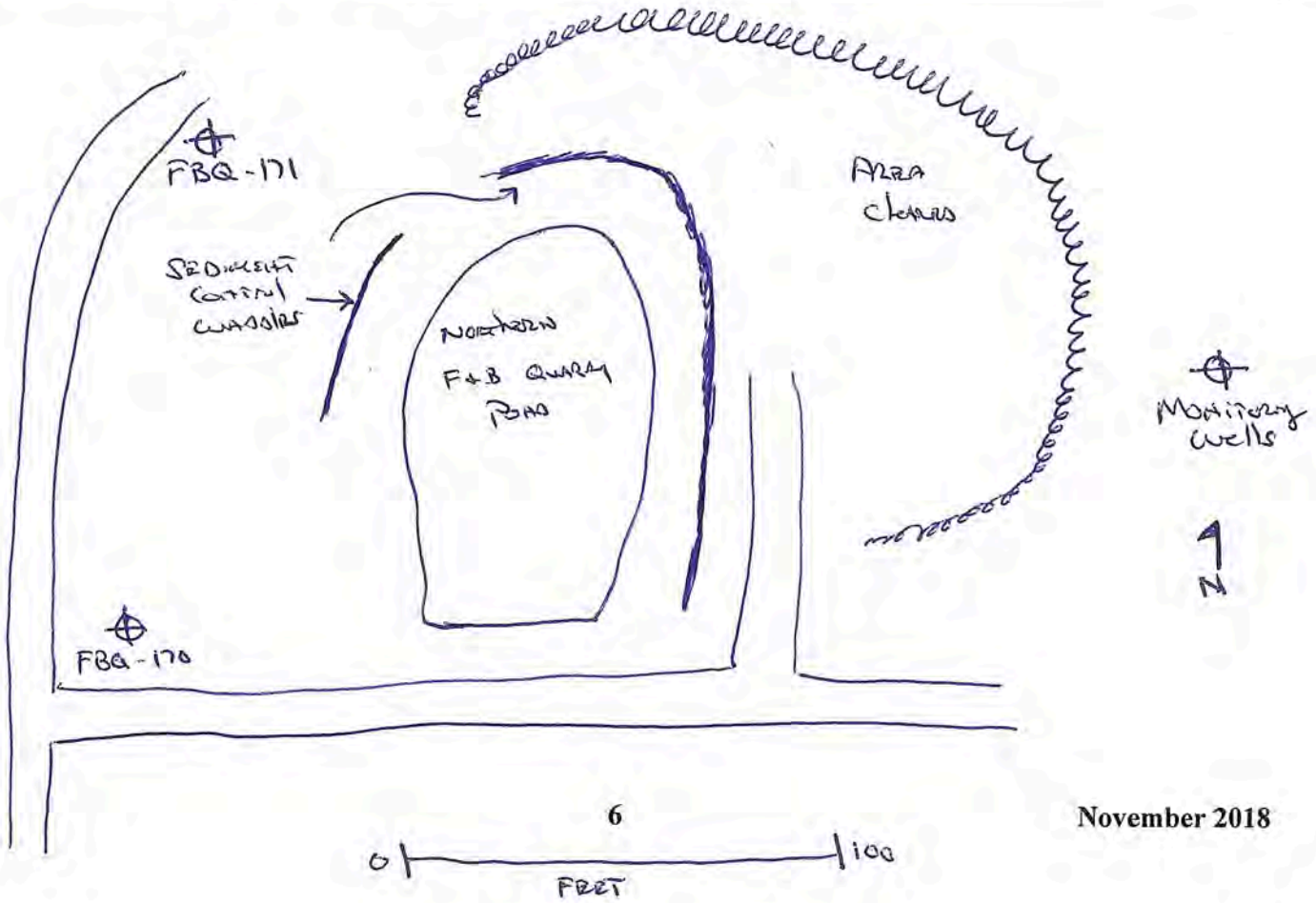
NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT IS SWEPT FROM THE ROAD DAILY TO PREVENT SEDIMENT FROM LEAVING THE SITE



QUARRY POND SEDIMENT PROTECTION

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 8/17/20 Inspector Name: Allen Campione

Inspector Title: Site Mgr/SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
8/16/20	1351	1651 / 3 HRS	.17 (inches)	NO
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 80 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NO REPAIRS NEEDED

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT CONTROL WADDLE ARE SECURE AND NEED NO REPAIR

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No	
1. Are any areas at final grade?	X		
2. Has the soil been properly prepared to accept permanent seeding?	X		
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X		
4. If rainfall has been inadequate, are seeded areas being watered?		X	
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	X		
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.			N/A
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?			N/A
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No repairs or maintenance needed.

NON-SEDIMENT POLLUTION CONTROL

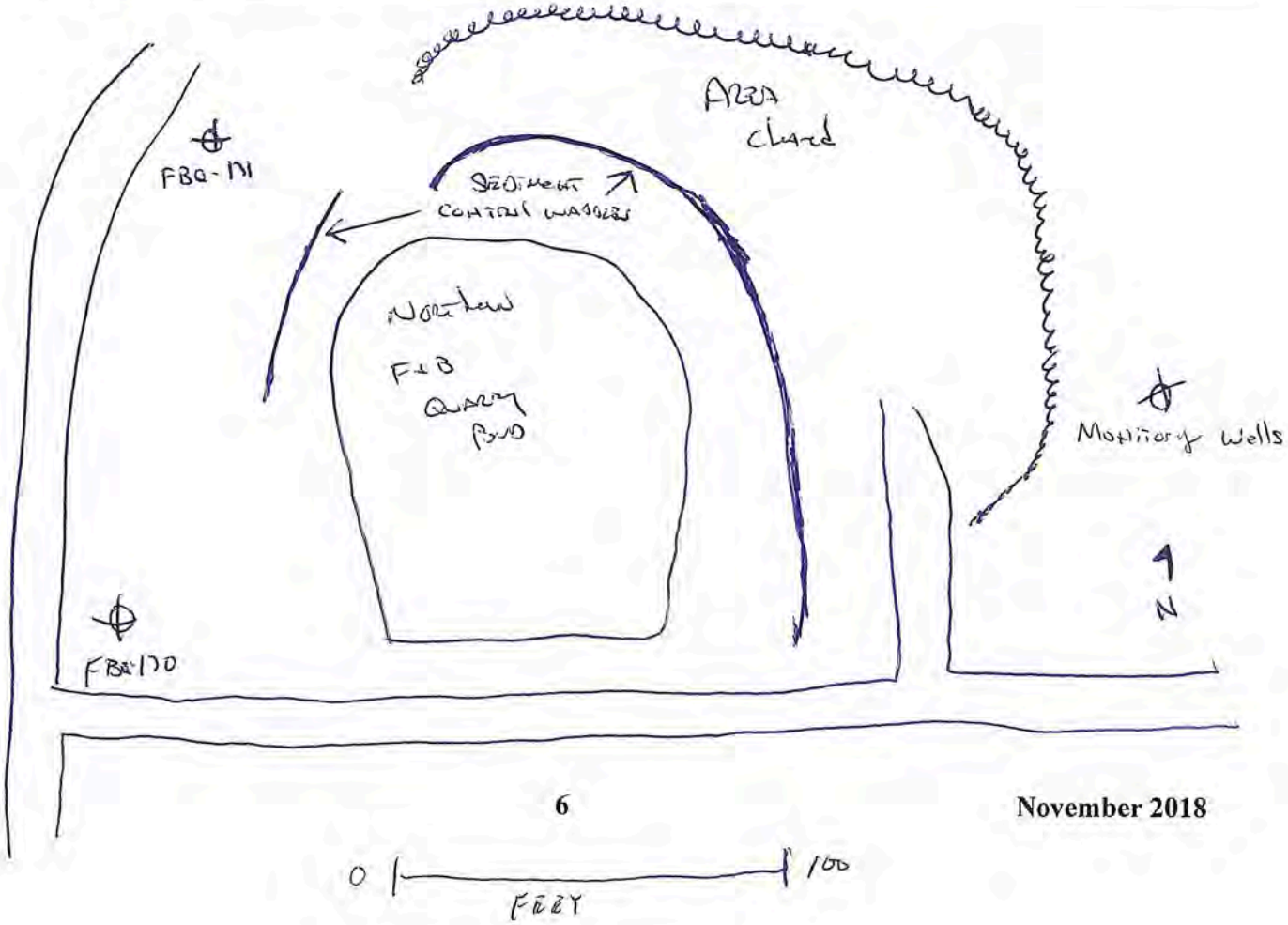
Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment is swept from the Road daily to prevent

Sediment from leaving the site.



Quarry Pond Sediment Protection

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 8-24-20 Inspector Name: Matthew Sander

Inspector Title: General Superintendent Qualifications/Certifications:

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
Weekly Inspection	—	—	— (inches)	—
8.18.2020	1351-1751	4 Hours	0.1 (inches)	No
8.23.2020	0051-0151	1 Hour	0.08 (inches)	No
			(inches)	

Weather Information at the Time of Inspection

Temperature 68° Climate (Sunny, Cloudy, Rain)? Clear Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No Repairs needed

SEDIMENT PONDS

Key things to look for ...

N/A

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?		
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?		
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?		
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?		
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?		
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?		
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?		
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?		
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?		
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?		
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.		
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?		
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?		
14. Was the basin installed prior to grading the site?		
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Compost Filter Sock is in place and no repairs needed

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	✓	
2. Has the soil been properly prepared to accept permanent seeding?	✓	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	✓	
4. If rainfall has been inadequate, are seeded areas being watered?	NA	
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	NA	
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	NA	
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	NA	
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	✓	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

N/A

	Yes		No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	N/A	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐		☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐		☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐		☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐		☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐		☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐		☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

Quarry Pond Sediment Protection

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: Aug. 31, 2020 Inspector Name: Al Brillinger

Inspector Title: Program Mgr. - Chenega TS Qualifications/Certifications: _____

Storm Events of the Last 7 Days*

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
8/25/2020			0.14 (inches)	N
8/27/2020			0.29 (inches)	N
8/28/2020			2.32 (inches)	N
			(inches)	

Weather Information at the Time of Inspection

Temperature 68 Climate (Sunny, Cloudy, Rain)? Partly sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No repairs needed

* Storm information from National Weather site for Youngstown, OH
w2.weather.gov/climate/index.php?wfo=cle

SEDIMENT PONDS N/A

Key things to look for ...

		Yes	No
1.	Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2.	Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3.	Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4.	Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5.	Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6.	Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7.	Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8.	Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9.	For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10.	For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11.	Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12.	Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13.	For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14.	Was the basin installed prior to grading the site?	☐	☐
15.	Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment control wattles are secure and need no repair

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION

Key things to look for ...

	Yes	No	
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	X		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	X		
3. Have disturbed areas outside the silt fence been seeded or mulched?			N/A
4. Have soil stockpiles that will sit for over 14 days been stabilized?			N/A
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.			
6. Has seed or mulch blown away? If so, repair.		X	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Erosion control blankets installed as ~~be~~ shown in Figure on page 6.

Erosion control blankets are secure and need no repair.

PERMANENT STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are any areas at final grade?		
2. Has the soil been properly prepared to accept permanent seeding?		
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?		
4. If rainfall has been inadequate, are seeded areas being watered?		
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?		
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.		
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?		
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?		

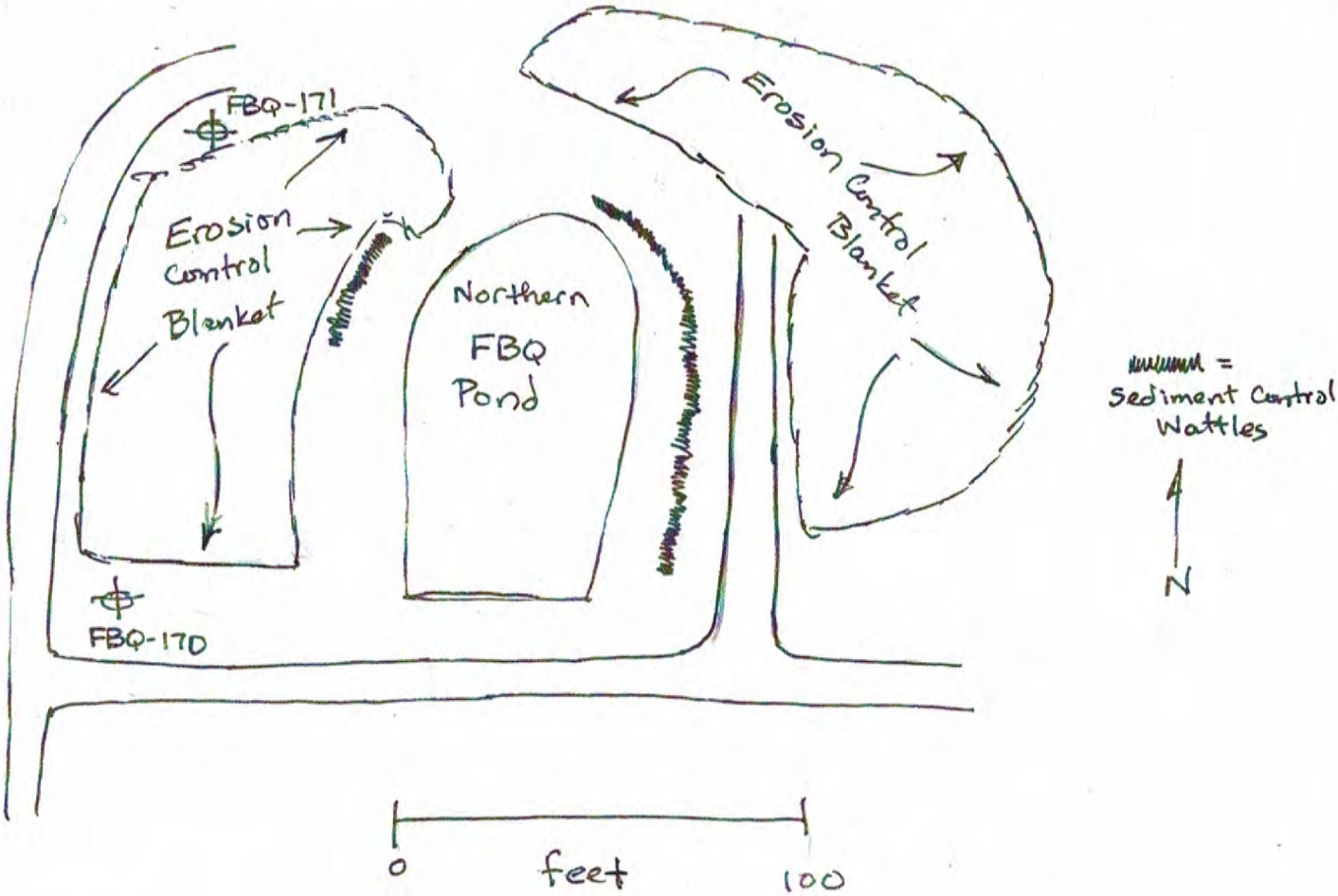
Note areas where repairs or maintenance is needed or where this practice needs to be applied:

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



FUZE & BOOSTER QUARRY Pond (QPSP)

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: Sept. 3, 2020 Inspector Name: Al Brillinger

Inspector Title: Prog. Mgr -- Chenega TS Qualifications/Certifications:

Storm Events of the Last 7 Days *

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
9/2/2020			1.04 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 79 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		x	
2. Is the stone 2-inch diameter?	x		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	x		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No repairs needed

Rainfall amounts obtained from National Weather Service website for Youngstown, OH

w2.weather.gov/climate/index.php?wfo-cle

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

_____

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Wattles are secure and need no repair.

INLET PROTECTION N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No	
1. Are any areas at final grade?	X		
2. Has the soil been properly prepared to accept permanent seeding?	X		
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X		
4. If rainfall has been inadequate, are seeded areas being watered?			N/A
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?			N/A
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.			N/A
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?			N/A
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Erosion Control Blankets are installed as shown on Pg. 6 Figure.

Erosion Control Blankets are secure and need no repair.

(Photos available upon request.)

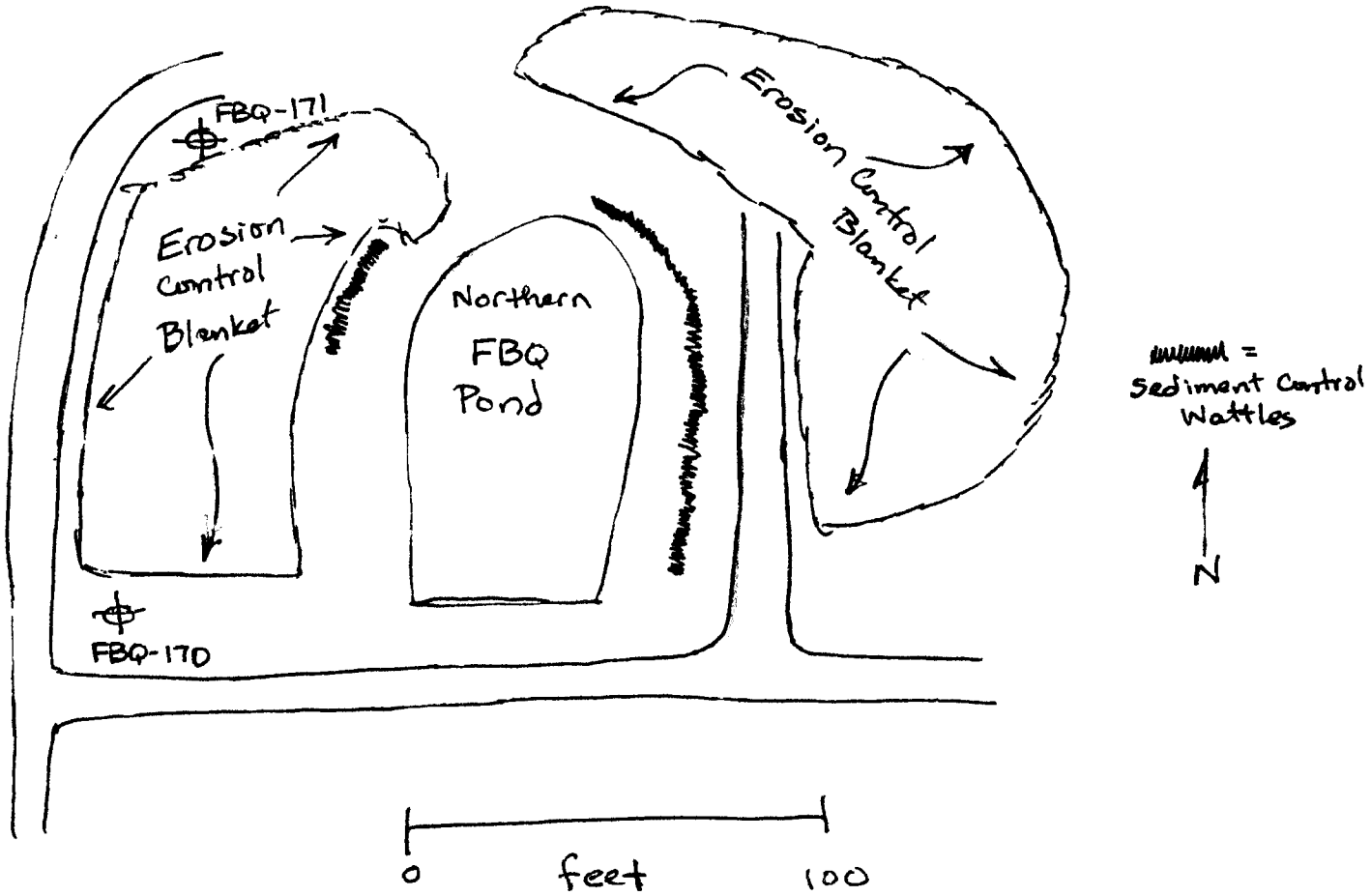
NON-SEDIMENT POLLUTION CONTROL

N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.		
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.		
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?		
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.		
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?		
6. Have stream crossings been constructed entirely of non-erodible material?		
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



FUZE & BOOSTER QUARRY Pond (QPSP)

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: Sept. 8, 2020 Inspector Name: Al Brillinger

Inspector Title: Prog. Mgr. - Chenega TS Qualifications/Certifications: _____

Storm Events of the Last 7 Days *

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
9/7/2020			2.42 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 65 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No repairs needed.

Rainfall amounts obtained from National Weather Service website for Youngstown, OH

w2.weather.gov/climate/index.php?wfo=cle

SEDIMENT PONDS (N/A)

Key things to look for ...

		Yes	No
1.	Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2.	Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3.	Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4.	Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5.	Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6.	Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7.	Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8.	Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9.	For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10.	For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11.	Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12.	Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13.	For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14.	Was the basin installed prior to grading the site?	☐	☐
15.	Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

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_____

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Wattles are secure and need no repair.

INLET PROTECTION (N/A)

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION (N/A)

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No	
1. Are any areas at final grade?	X	☐	
2. Has the soil been properly prepared to accept permanent seeding?	X	☐	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X	☐	
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐	N/A
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐	N/A
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE:** Rock check dams may be needed to slow the flow of runoff.	☐	☐	N/A
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐	N/A
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	☐	X	see below

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

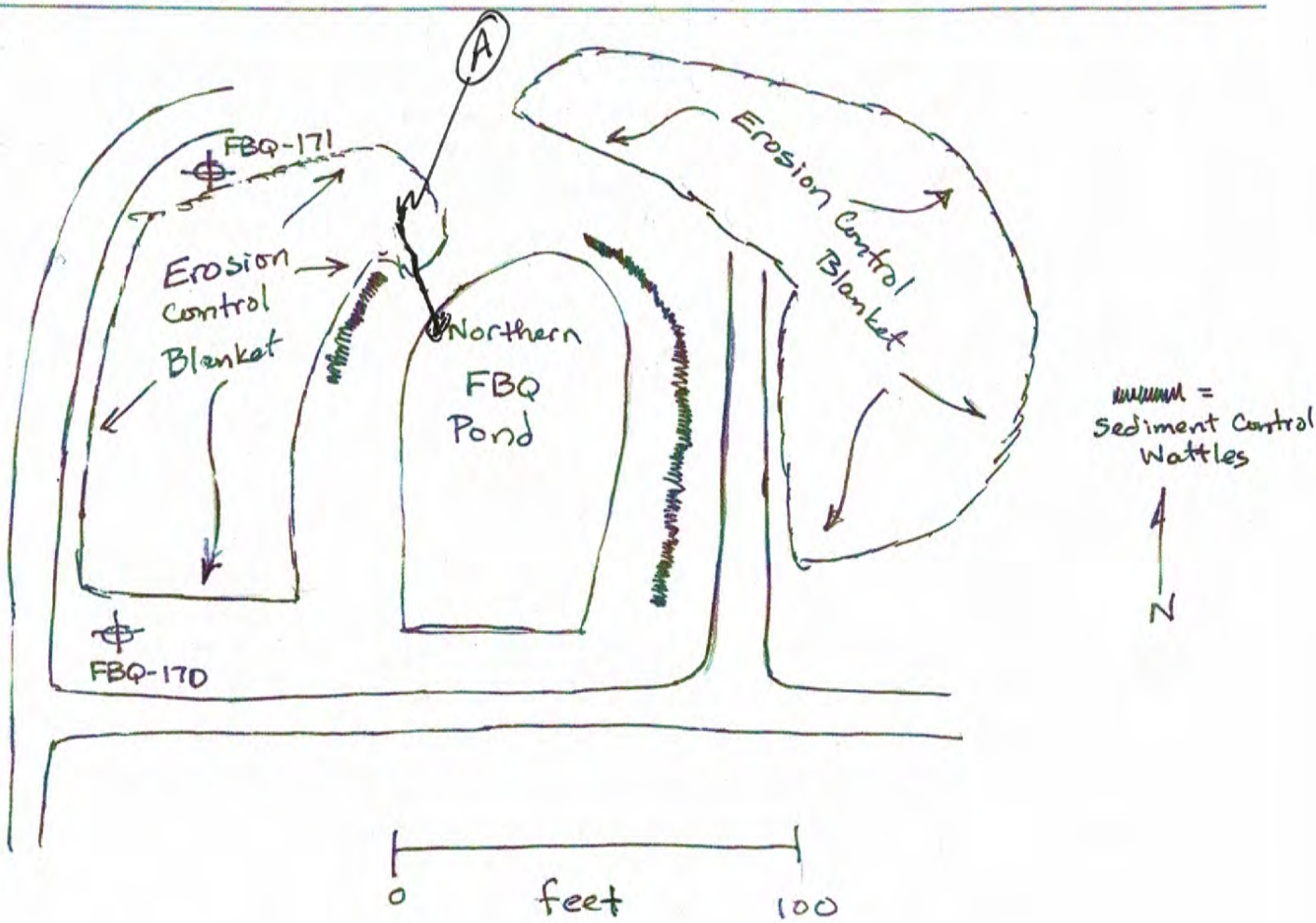
Area C – small gully is forming underneat erosion control blanket at spot marked "A" on pg. 6 Figure. All other erosion control blankets are intact and need no repair

NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



Erosion Control - Corrective Action Log

Project Name: CC RVAAP-78

Project Location: Former Ravenna/CJAG

Date	Type Device	Issues (include qty)	Recommendation	Action Taken	Resolved? (Y/N)
9/8/2020	Erosion control blanket, natural grade, soil stabilization	Erosion of eastward slope of restored grade (approximately 800 sf affected).	Stabilize the eastward slope. Install filter fabric in ditch to prevent further erosion and cover in rip/rap rock to create a stabilized drainage feature.	Haybales placed as temporary control within 24 hours of discovery at eastern edge or restoration. Perform the recommendation as prescribed using approximately 110 tons of rip rap to create the prescribed drainage feature. Contours onsite were preserved.	Yes; recommendation completed on September 9, 2020.

Inspector:

Signature:

Date:

FUZE & BOOSTER QUARRY Pond

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: Sept. 14, 2020 Inspector Name: Al Brillinger

Inspector Title: Prog. Mgr. - Chenega TS Qualifications/Certifications:

Storm Events of the Last 7 Days *

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
9/13/2020			1.1 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 63 Climate (Sunny, Cloudy, Rain)? cloudy Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No	
1. Has the drive been constructed by placing geotextile fabric under the stone?		X	
2. Is the stone 2-inch diameter?	X		
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	X		
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?			N/A
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?			N/A

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

No repairs needed.

Rainfall amounts obtained from National Weather Service website for Youngstown, OH

w2.weather.gov/climate/index.php?wfo-cle

SEDIMENT PONDS (N/A)

Key things to look for ...

		Yes	No
1.	Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2.	Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3.	Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4.	Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5.	Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6.	Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7.	Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8.	Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9.	For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10.	For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11.	Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12.	Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13.	For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14.	Was the basin installed prior to grading the site?	☐	☐
15.	Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

_____

_____

_____

_____

_____

_____

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Wattles are secure and need no repair

INLET PROTECTION (N/A)

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION (N/A)

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No	
1. Are any areas at final grade?	X		
2. Has the soil been properly prepared to accept permanent seeding?	X		
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X		
4. If rainfall has been inadequate, are seeded areas being watered?			N/A
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?			N/A
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.			N/A
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?			N/A
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

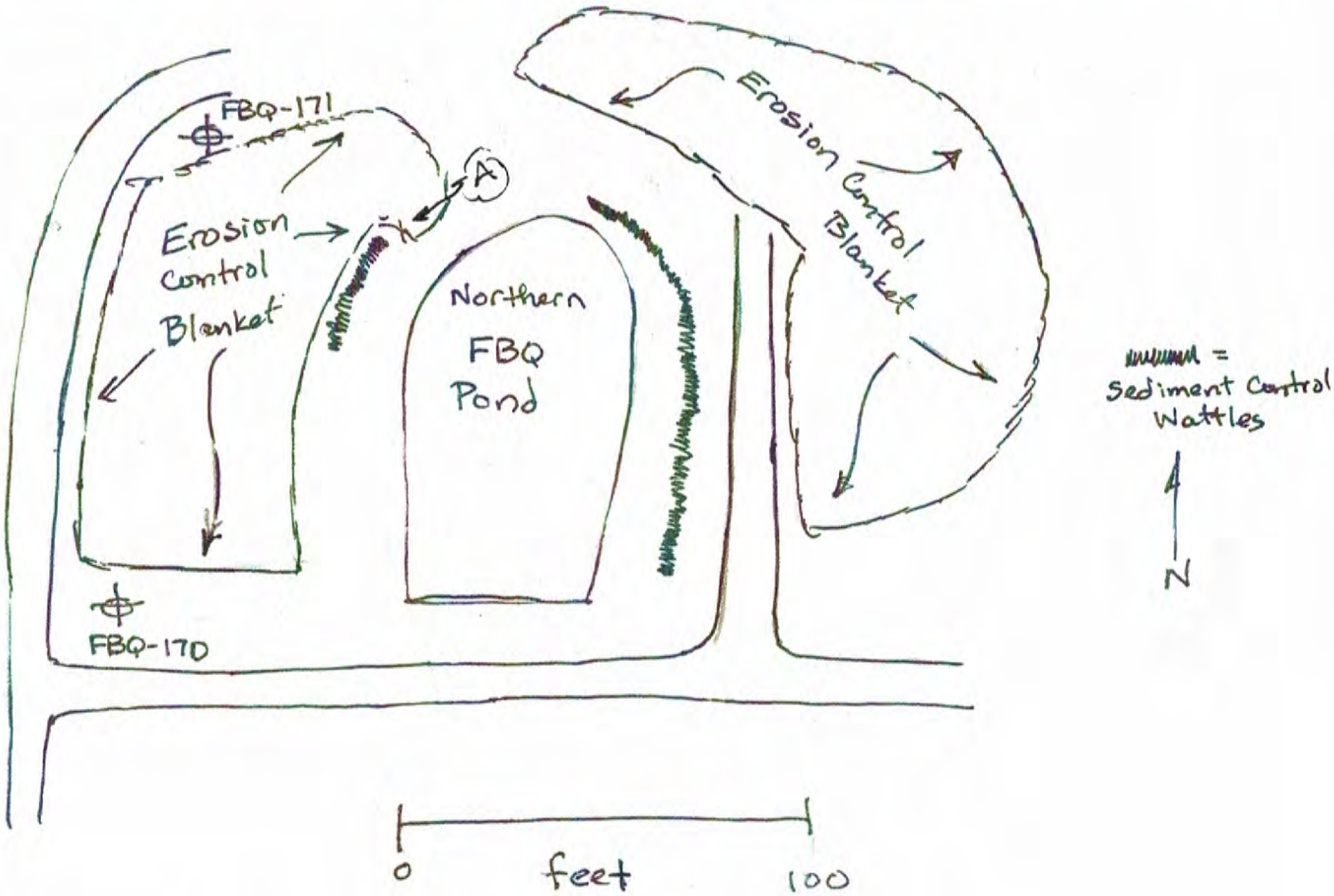
Area C → small gully noted on last report (9/8/2020) has been repaired. Cobbles added to ground surface in this area for stabilization. All other areas are intact and need no repair

NON-SEDIMENT POLLUTION CONTROL

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



FUZE & BOOSTER QUARRY Pond

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: Sept. 21, 2020 Inspector Name: Al Brillinger

Inspector Title: Proj. Mgr. - Chanega TS Qualifications/Certifications: _____

Storm Events of the Last 7 Days *

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
no precipitation previous		7 days	(inches)	
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 45 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? N

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ...

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Rainfall amounts obtained from National Weather Service website for Youngstown, OH

w2.weather.gov/climate/index.php?wfo-cle

SEDIMENT PONDS (N/A)

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Wattles are secure and need no repair

INLET PROTECTION (N/A)

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION (N/A)

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?	☐	☐
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?	☐	☐
3. Have disturbed areas outside the silt fence been seeded or mulched?	☐	☐
4. Have soil stockpiles that will sit for over 14 days been stabilized?	☐	☐
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.	☐	☐
6. Has seed or mulch blown away? If so, repair.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No	
1. Are any areas at final grade?	X	☐	
2. Has the soil been properly prepared to accept permanent seeding?	X	☐	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X	☐	
4. If rainfall has been inadequate, are seeded areas being watered?	☐	☐	N/A
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	☐	☐	N/A
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	☐	☐	N/A
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	☐	☐	N/A
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X	☐	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

All areas are intact and need no repair.

NON-SEDIMENT POLLUTION CONTROL (N/A)

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

QUARRY POND

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 9/28/20 Inspector Name: ALLEN CAMPIONE

Inspector Title: SITE MANAGER / SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
N/A			(inches)	
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 69 Climate (Sunny, Cloudy, Rain)? SUNNY Is Storm Water Being Discharged? N/A

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ... N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment Control Waddles are Secure and need no Repair

INLET PROTECTION (N/A)

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	X	
2. Has the soil been properly prepared to accept permanent seeding?	X	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X	
4. If rainfall has been inadequate, are seeded areas being watered?		X
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	X	
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	X	
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	X	
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

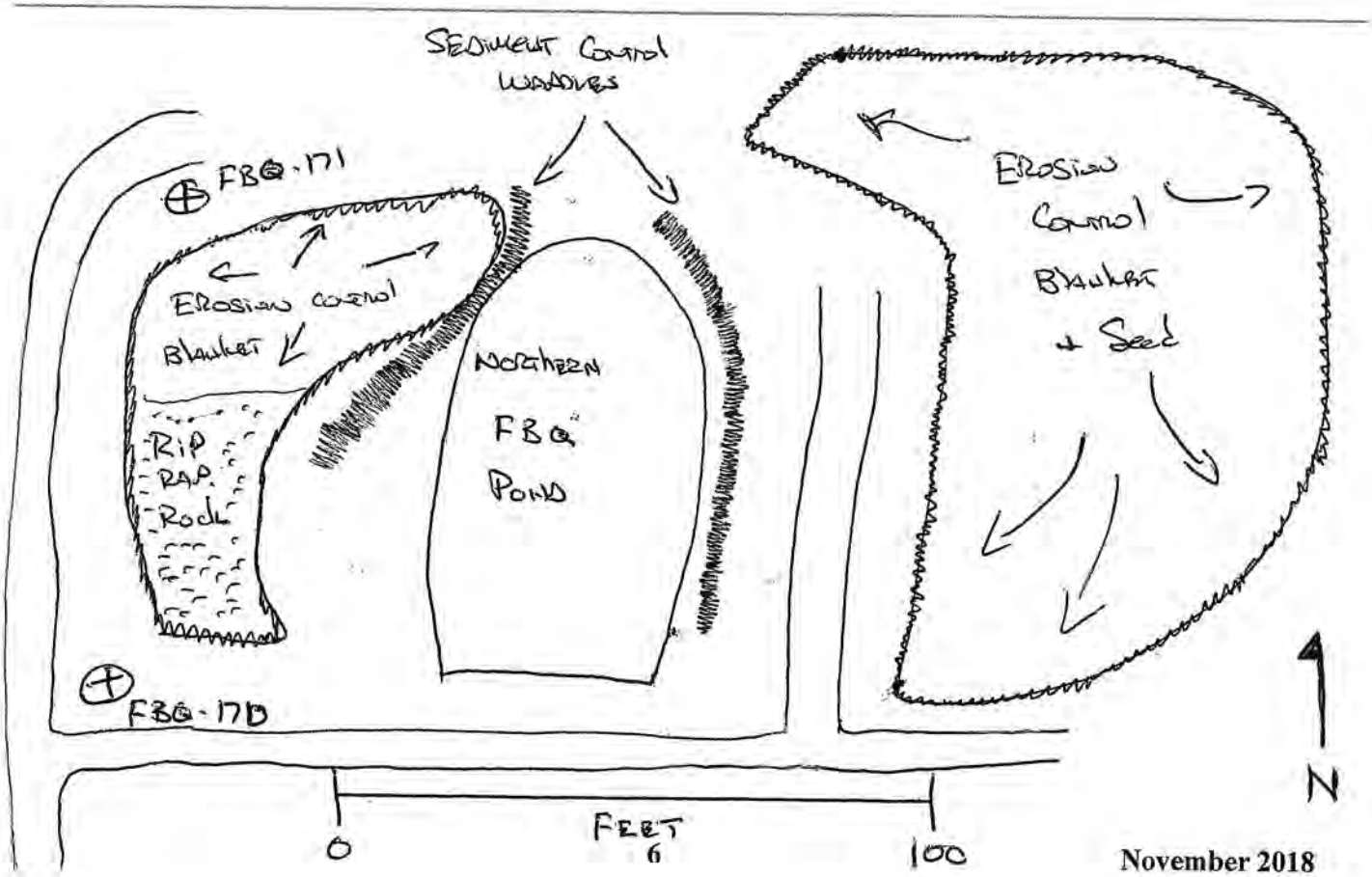
ALL AREAS ARE IN TACT AND NEED NO REPAIR.

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



Quarry Pond

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 10/5/2020 Inspector Name: Allen Campione

Inspector Title: Site Manager / SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
9/29/20	12:51 AM	1HR 32 MIN	.03 (inches)	N
10/01/20	1:56 PM	5HR	.04 (inches)	N
10/04/20	5:51 PM	2HR 47 MIN	.42 (inches)	N
			(inches)	

Weather Information at the Time of Inspection

Temperature 48° Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? NO

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ... N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT PONDS N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?	☐	☐
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?	☐	☐
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?	☐	☐
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?	☐	☐
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?	☐	☐
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?	☐	☐
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?	☐	☐
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?	☐	☐
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?	☐	☐
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?	☐	☐
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.	☐	☐
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?	☐	☐
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?	☐	☐
14. Was the basin installed prior to grading the site?	☐	☐
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

SEDIMENT CONTROL WADDLES ARE SECURE AND NEED NO REPAIR.

INLET PROTECTION

N/A

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION

N/A

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	X	
2. Has the soil been properly prepared to accept permanent seeding?	X	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X	
4. If rainfall has been inadequate, are seeded areas being watered?		X
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	X	
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	X	
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	X	
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

All areas are in tact and Need no Repair

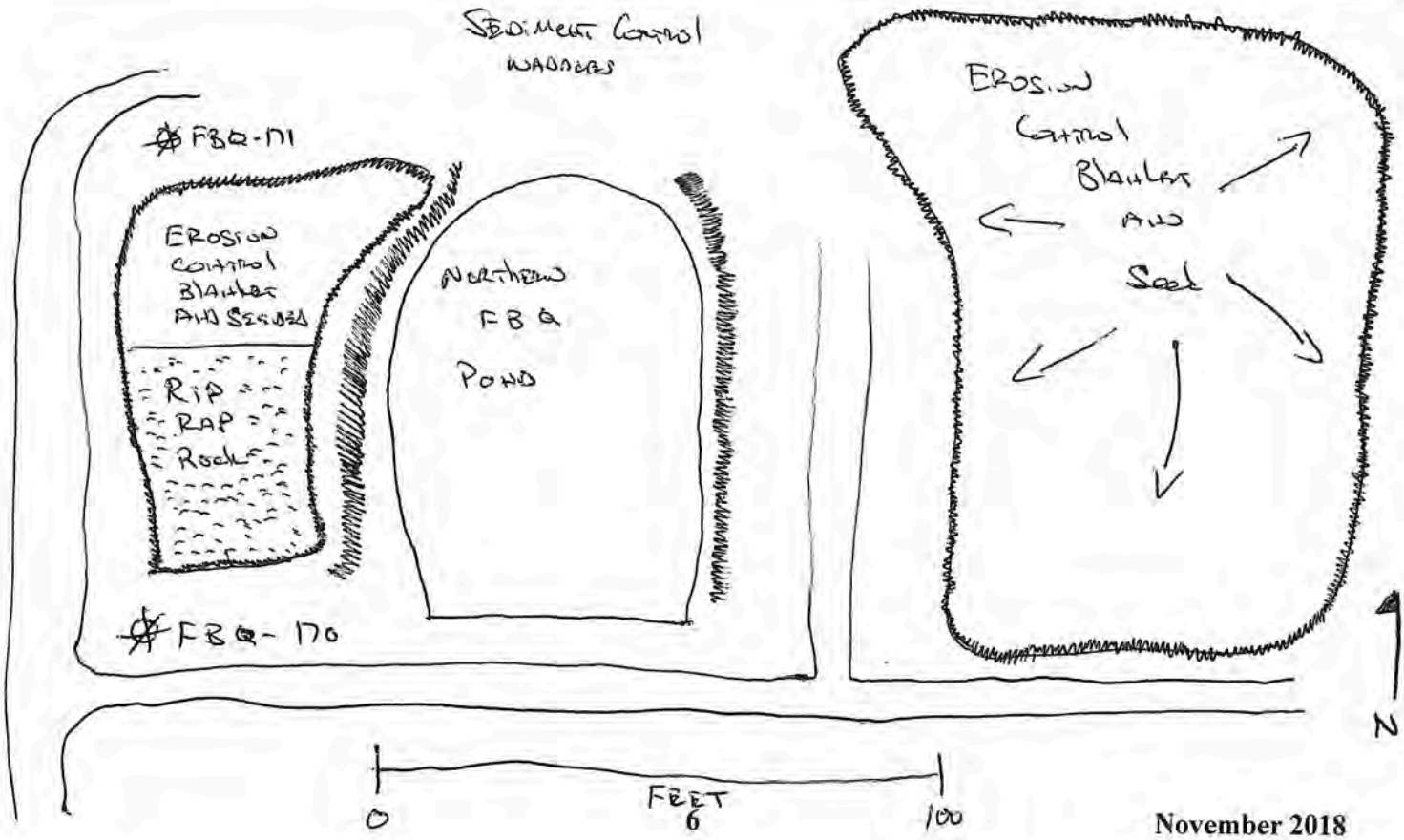
Seeded areas are at approximately 60% Growth Established.

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



Quarry Pond

Inspection Sheet

INSPECTIONS MUST BE CONDUCTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL. ALL SEDIMENT CONTROLS MUST BE INSTALLED PRIOR TO GRADING AND WITHIN 7 DAYS OF FIRST GRUBBING

GENERAL INSPECTION INFORMATION

Construction Site Inspection Date: 10/13/2020 Inspector Name: Eren Bodurogln

Inspector Title: SSHO Qualifications/Certifications: _____

Storm Events of the Last 7 Days

Storm Event Date	Storm Event Time	Storm Event Duration	Total Rainfall Amount	Discharge Occur? (Y/N)
10/11/20	4:00 PM	1 0 HR	0.5 (inches)	N
			(inches)	
			(inches)	
			(inches)	

Weather Information at the Time of Inspection

Temperature 57 Climate (Sunny, Cloudy, Rain)? Sunny Is Storm Water Being Discharged? No

Sketch or Small Site Map

Along with a narrative inspection log, Ohio EPA recommends the inspector use a sketch or a reduced photocopy of the site plan showing the location of storm water outfalls and storm drain inlets as well as the location and types of control measures. Problems observed at these locations, or at other locations on the construction site, should be highlighted and any corrective measures undertaken should be drawn in and noted in detail on the front side of the sketch. This method will also be helpful as the permittee is required to update the SWP3 to reflect current site conditions.

CONSTRUCTION ENTRANCES

Key things to look for ... N/A

	Yes	No
1. Has the drive been constructed by placing geotextile fabric under the stone?	☐	☐
2. Is the stone 2-inch diameter?	☐	☐
3. Has the stone been placed to a depth of 6 inches, with a width of 10 feet and a length of at least 50 feet (30 feet for entrances onto individual sublots)?	☐	☐
4. If the drive is placed on a slope, has a diversion berm been constructed across the drive to divert runoff away from the street or water resource?	☐	☐
5. If drive is placed across a ditch, was a culvert pipe used to allow runoff to flow across the drive?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT PONDS

N/A

Key things to look for ...

	Yes	No
1. Are concentrated flows of runoff directed to a sediment pond?		
2. Is sheet-flow runoff from drainage areas that exceed the design capacity of silt fence (generally 0.25 acre or larger) directed to a sediment pond?		
3. Is runoff being collected and directed to the sediment pond via the storm sewer system or via a network of diversion berms and channels?		
4. Is the sediment pond dewatering zone appropriately sized (67 cubic yards per acre of total drainage area)?		
5. Is the sediment pond sediment settling zone appropriately sized (34 cubic yards per acre of disturbed area)?		
6. Is the sediment basin designed to be dewatered at the surface through the use of a skimmer or another similar surface water dewatering device?		
7. Is the sediment basin designed so that the dewatering zone will drain in no less time than 48 hours?		
8. Have the embankments of the sediment pond and the areas that lie downstream of the pond been stabilized?		
9. For sediment traps, is there geotextile under the stone spillway and is the spillway saddle-shaped?		
10. For sediment traps, which dewater 100% between storms, is the dewatering pipe end-capped, no larger than 6 inches in diameter, perforated and double-wrapped in geotextile?		
11. Is the length-to-width ratio between inlet(s) and outlet at least 2:1? **NOTE**: If not, a baffle should be added to lengthen the distance.		
12. Is the depth from the bottom of the basin to the top of the primary spillway no more than 3 to 5 feet?		
13. For a modified storm water pond being used as a sediment pond, is the connection between the riser pipe and the permanent outlet water-tight?		
14. Was the basin installed prior to grading the site?		
15. Is it time to clean-out the sediment pond to restore its original capacity? Generally, sediment should be removed from the sediment settling zone once it's half-full. Stabilize the dredged sediments with seed and mulch.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

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SEDIMENT BARRIERS

Key things to look for ...

	Yes	No
1. Is the silt fence at least 4" to 6" into the ground?	☐	☐
2. Is the silt fence trench backfilled to prevent runoff from cutting underneath the fence?	☐	☐
3. Is the silt fence pulled tight so it won't sag when water builds up behind it?	☐	☐
4. Are the ends brought upslope of the rest of the silt fence so as to prevent runoff from going around the ends?	☐	☐
5. Is the silt fence placed on a level contour? If not, the fence will only act as a diversion.	☐	☐
6. Have all the gaps and tears in the silt fence been eliminated.	☐	☐
7. Is the sediment barrier controlling an appropriate drainage area? Refer to Chapter 6 of ***Rainwater*** manual. **RULE OF THUMB**: Design capacity for 100 linear feet of sediment barrier is 0.5 acres for slopes < 2%, 0.25 acres for slopes 2% to 20%, & 0.125 acres for slopes 20% or more. Generally, no more than 0.25 acres should lie behind 100 feet of sediment barrier at 2% to 20% slope, i.e., the distance between the barrier and the top of the slope behind it should be no more than 125 feet. The allowable distance increases on flatter slopes and decreases for steeper slopes. **All non-silt fence sediment barriers must be at least 12-inches in diameter.**	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Sediment control waddles are secure and need no repair.
Achieved 70% regrowth. All erosion control devices removed per Kevin Sedlak's request.

INLET PROTECTION (N/A)

Key things to look for ...

	Yes	No
1. Does water pond around the inlet when it rains?	☐	☐
2. Has the fabric been replaced when it develops tears or sags?	☐	☐
3. For curb inlet protection, does the fabric cover the entire grate, including the curb window?	☐	☐
4. For yard inlet protection, does the structure encircle the entire grate?	☐	☐
5. Is the fabric properly entrenched or anchored so that water passes through it and not under it?	☐	☐
6. For yard inlet protection, is the fabric properly supported to withstand the weight of water and prevent sagging? The fabric should be supported by a wood frame with cross braces, or straw bales.	☐	☐
7. Is sediment that has accumulated around the inlet removed on a regular basis?	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

TEMPORARY STABILIZATION (N/A)

Key things to look for ...

	Yes	No
1. Are there any areas of the site that are disturbed, but will likely lie dormant for over 14 days?		
2. Have all dormant, disturbed areas been temporarily stabilized in their entireties?		
3. Have disturbed areas outside the silt fence been seeded or mulched?		
4. Have soil stockpiles that will sit for over 14 days been stabilized?		
5. Has seed and mulch been applied at the proper rate? In general, seed is applied at 3 to 5 lbs per 1000 sq ft and straw mulch is applied at 2-3 bales per 1000 sq ft.		
6. Has seed or mulch blown away? If so, repair.		

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

PERMANENT STABILIZATION

Key things to look for ...

	Yes	No
1. Are any areas at final grade?	X	
2. Has the soil been properly prepared to accept permanent seeding?	X	
3. Has seed and mulch been applied at the appropriate rate (see Chapter 7 of the ***Rainwater*** manual)?	X	
4. If rainfall has been inadequate, are seeded areas being watered?		X
5. For drainage ditches where flow velocity exceeds 3.5 ft/s from a 10-year, 24-hour storm has matting been applied to the ditch bottom?	X	
6. If the flow velocity exceeds 5.0 ft/s, has the ditch bottom been stabilized with rock rip-rap? **NOTE**: Rock check dams may be needed to slow the flow of runoff.	X	
7. Has rock rip-rap been placed under all storm water outfall pipes to prevent scouring in the receiving stream or erosion of the receiving channel?	X	
8. For sites with steep slopes or fill areas, is runoff from the top of the site conveyed to the bottom of the slope or fill area in a controlled manner so as not to cause erosion?	X	

Note areas where repairs or maintenance is needed or where this practice needs to be applied:

Dil Areas are in tact and need no repair.

Seeded areas are at approximately 70 % growth established

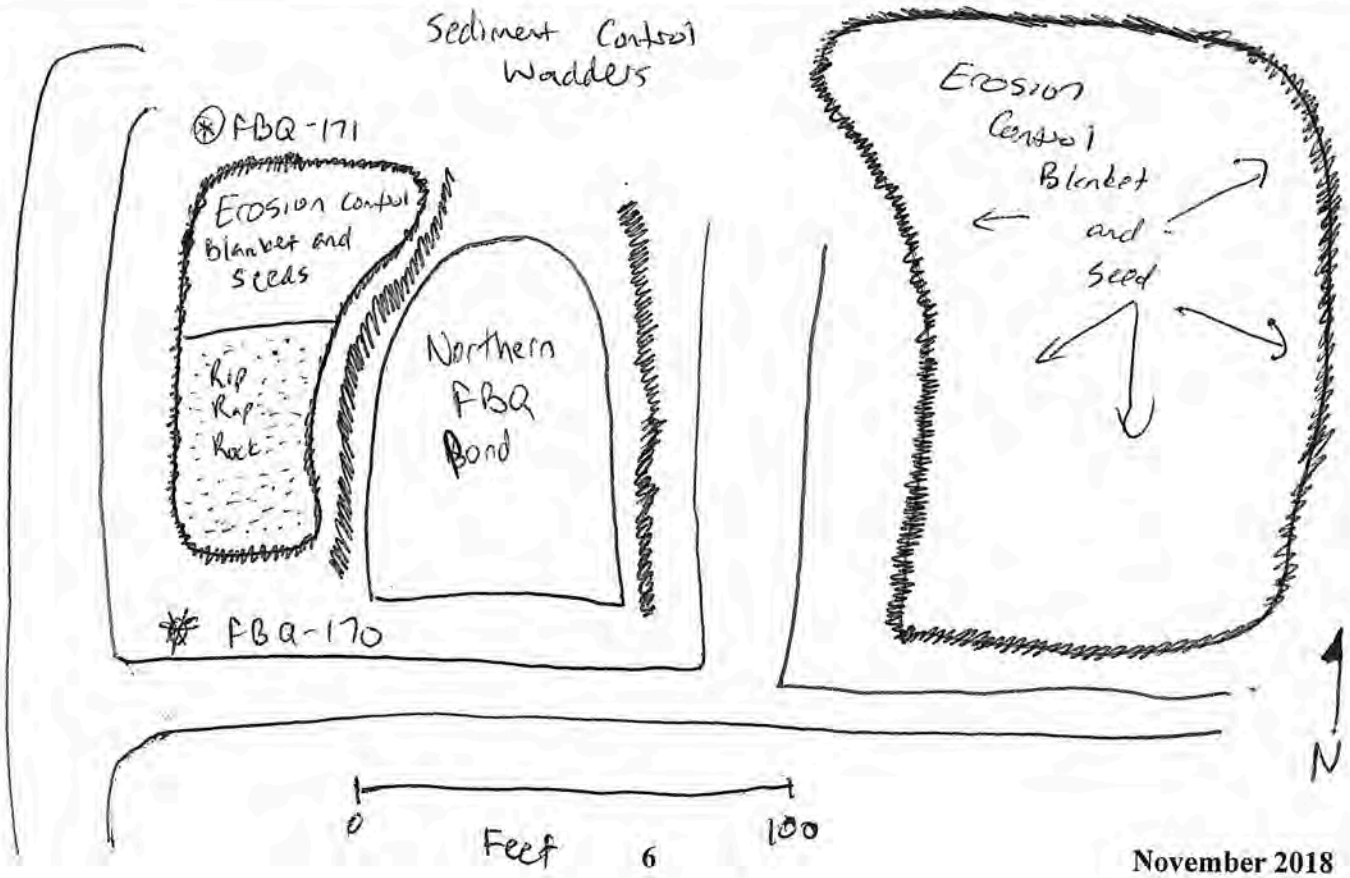
Achieved 70% regrowth. All erosion control devices removed per Kevin Sedlak's request.

NON-SEDIMENT POLLUTION CONTROL N/A

Key things to look for ...

	Yes	No
1. Has an area been designated for washing out concrete trucks? Washings must be contained on site within a bermed area until they harden. The washings should never be directed toward a watercourse, ditch or storm drain.	☐	☐
2. Is waste and packaging disposed of in a dumpster? Do not burn them on site.	☐	☐
3. Are fuel tanks and drums of toxic and hazardous materials stored within a diked area or trailer and away from any watercourse, ditch or storm drain?	☐	☐
4. Are streets swept as often as necessary to keep them clean and free from sediment? NOTE: Sediment should be swept back onto the lot - not down the storm sewers.	☐	☐
5. Are stockpiles of soil or other materials stored away from any watercourse, ditch or storm drain?	☐	☐
6. Have stream crossings been constructed entirely of non-erodible material?	☐	☐
7. If an area of the site is being dewatered, is it being pumped from a sump pit or is the discharge directed to a sediment pond? **NOTE**: if you must lower ground water, the water may be discharged to the receiving stream as long as the water remains clean. Be sure not to co-mingle the clean ground water with sediment-laden water or to discharge it off-site by passing it over disturbed ground.	☐	☐

Note areas where repairs or maintenance is needed or where this practice needs to be applied:



APPENDIX D

Waste Characterization Analytical Report (J184333-1)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-184333-1
Client Project/Site: Camp Ravenna

For:
PARS Environmental Inc
500 Horizon Drive
Suite 540
Robbinsville, New Jersey 08691

Attn: Cody Postlethwait

Kathryn Smith

Authorized for release by:
6/9/2020 7:22:20 PM

Kathryn Smith, Client Service Manager
(912)250-0275
kathy.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

GC/MS Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

GC Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Sample Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-184333-1	WCQP-1	Solid	05/20/20 12:10	05/28/20 11:00	
680-184333-2	WCQP-2	Solid	05/20/20 12:15	05/28/20 11:00	
680-184333-3	WCQP-3	Solid	05/20/20 12:20	05/28/20 11:00	

Job ID: 680-184333-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE
Client: PARS Environmental Inc
Project: Camp Ravenna

Report Number: 680-184333-1

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

RECEIPT
The samples were received on 05/28/2020; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 5.5º C.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - TCLP
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Volatile Organic Compounds (GC/MS) - TCLP in accordance with EPA SW846 Method 1311/8260B. The samples were leached on 06/01/2020 and analyzed on 06/08/2020.

Surrogate recovery for the following sample was outside the upper control limit: WCQP-1 (680-184333-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Samples WCQP-1 (680-184333-1)[20X], WCQP-2 (680-184333-2)[20X] and WCQP-3 (680-184333-3)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

VOLATILE ORGANIC COMPOUNDS
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Volatile Organic Compounds in accordance with EPA SW-846 8260B. The samples were analyzed on 06/02/2020.

Surrogate recovery for the following samples were outside control limits: WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - TCLP
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for semivolatile organic compounds (GC-MS) - TCLP in accordance with EPA SW846 Method 1311/8270D. The samples were leached on 06/01/2020, prepared on 06/03/2020 and analyzed on 06/09/2020.

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

PESTICIDES AND PCBS (TCLP)
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Pesticides and PCBs (TCLP) in accordance with EPA SW-846 Method 1311/8081B_8082A. The samples were leached on 06/01/2020, prepared on 06/03/2020 and analyzed on 06/08/2020.

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

PESTICIDES AND PCBS

Job ID: 680-184333-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 8081B/8082A. The samples were prepared on 06/02/2020 and analyzed on 06/05/2020.

DCB Decachlorobiphenyl recovered low for WCQP-1 (680-184333-1). Refer to the QC report for details.

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

HERBICIDES (TCLP)
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Herbicides (TCLP) in accordance with EPA SW-846 Method 1311/8151A. The samples were leached on 06/01/2020, prepared on 06/03/2020 and analyzed on 06/06/2020.

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

METALS (ICP) - TCLP
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Metals (ICP) - TCLP in accordance with EPA SW-846 Method 1311/6010C. The samples were leached on 06/01/2020, prepared on 06/02/2020 and analyzed on 06/03/2020.

Barium and Lead were detected in method blank LB 680-620651/1-C at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Barium was detected in method blank LB2 680-620651/8-C at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Barium was detected in method blank MB 680-620880/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

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

MERCURY - TCLP
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for mercury - TCLP in accordance with EPA SW-846 Method 1311/7470A. The samples were leached on 06/01/2020, prepared on 06/02/2020 and analyzed on 06/03/2020.

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

IGNITABILITY FOR SOLIDS
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for ignitability for solids in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/29/2020.

The following samples did not ignite: WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3); therefore, an ignitability value could not be obtained. The result has been reported as "No Burn" (NB).

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

PERCENT SOLIDS/MOISTURE
Samples WCQP-1 (680-184333-1), WCQP-2 (680-184333-2) and WCQP-3 (680-184333-3) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 05/29/2020.

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

Client Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Client Sample ID: WCQP-1

Date Collected: 05/20/20 12:10
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-1

Matrix: Solid
Percent Solids: 72.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	8.9	U	8.9	4.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1,1-Trichloroethane	2.7	U	8.9	1.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1,2,2-Tetrachloroethane	5.3	U	8.9	2.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1,2-Trichloroethane	5.3	U	8.9	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1-Dichloroethane	5.3	U	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1-Dichloroethene	5.3	U	8.9	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,1-Dichloropropene	2.7	U	8.9	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,2,3-Trichlorobenzene	5.3	U	8.9	2.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,2,4-Trimethylbenzene	5.3	U Q	8.9	2.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,2-Dichloroethane	5.3	U M	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,2-Dichloroethene, Total	2.7	U	18	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,2-Dichloropropane	2.7	U	8.9	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,3,5-Trimethylbenzene	8.9	U Q	8.9	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
1,3-Dichloropropane	8.9	U Q	8.9	3.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
2,2-Dichloropropane	5.3	U	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
2-Butanone (MEK)	13	U	44	4.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
2-Chlorotoluene	8.9	U	8.9	3.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
2-Hexanone	13	U	44	5.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
4-Chlorotoluene	8.9	U	8.9	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
4-Isopropyltoluene	8.9	U	8.9	3.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
4-Methyl-2-pentanone (MIBK)	13	U	44	7.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Acetone	44	U	89	19	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Benzene	2.7	U	8.9	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Bromobenzene	8.9	U	8.9	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Bromoform	5.3	U	8.9	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Bromomethane	5.3	U	8.9	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Carbon disulfide	5.3	U	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Carbon tetrachloride	2.7	U	8.9	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chlorobenzene	2.7	U	8.9	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chlorobromomethane	8.9	U	8.9	5.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chlorodibromomethane	8.9	U	8.9	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chloroethane	8.9	U	8.9	4.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chloroform	5.3	U	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Chloromethane	5.3	U	8.9	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
cis-1,2-Dichloroethene	5.3	U	8.9	2.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
cis-1,3-Dichloropropene	2.7	U	8.9	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Dibromomethane	8.9	U	8.9	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Dichlorobromomethane	2.7	U	8.9	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Dichlorodifluoromethane	2.7	U M	8.9	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Ethylbenzene	8.9	U	8.9	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Isopropylbenzene	8.9	U Q	8.9	3.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Methyl tert-butyl ether	5.3	U	8.9	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Methylene Chloride	2.7	U	8.9	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
m-Xylene & p-Xylene	8.9	U	8.9	4.6	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
n-Butylbenzene	8.9	U	8.9	4.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
N-Propylbenzene	8.9	U Q	8.9	4.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
o-Xylene	5.3	U	8.9	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
sec-Butylbenzene	8.9	U Q	8.9	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Styrene	2.7	U	8.9	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1

Client Sample ID: WCQP-1 | **Lab Sample ID: 680-184333-1**

Date Collected: 05/20/20 12:10 | **Matrix: Solid**

Date Received: 05/28/20 11:00 | **Percent Solids: 72.2**

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	8.9	U Q	8.9	3.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Tetrachloroethene	8.9	U	8.9	3.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Toluene	2.7	U	8.9	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
trans-1,2-Dichloroethene	2.7	U	8.9	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
trans-1,3-Dichloropropene	2.7	U Q	8.9	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Trichloroethene	5.3	U	8.9	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Trichlorofluoromethane	5.3	U	8.9	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Vinyl acetate	11	U	18	4.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Vinyl chloride	5.3	U	8.9	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1
Xylenes, Total	5.3	U	18	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*71 - 138*	*06/02/20 14:50*	*06/02/20 18:19*	*1*
4-Bromofluorobenzene (Surr)	*128*	*Q*	*79 - 119*	*06/02/20 14:50*	*06/02/20 18:19*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 119*	*06/02/20 14:50*	*06/02/20 18:19*	*1*
Toluene-d8 (Surr)	*114*		*85 - 116*	*06/02/20 14:50*	*06/02/20 18:19*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.020	U	0.020	0.0072	mg/L			06/08/20 18:17	20
1,2-Dichloroethane	0.020	U M	0.020	0.010	mg/L			06/08/20 18:17	20
2-Butanone (MEK)	0.20	U	0.20	0.068	mg/L			06/08/20 18:17	20
Benzene	0.020	U	0.020	0.0086	mg/L			06/08/20 18:17	20
Carbon tetrachloride	0.020	U	0.020	0.0066	mg/L			06/08/20 18:17	20
Chlorobenzene	0.010	U	0.020	0.0052	mg/L			06/08/20 18:17	20
Chloroform	0.020	U	0.020	0.010	mg/L			06/08/20 18:17	20
Tetrachloroethene	0.020	U	0.020	0.015	mg/L			06/08/20 18:17	20
Trichloroethene	0.020	U	0.020	0.0096	mg/L			06/08/20 18:17	20
Vinyl chloride	0.020	U	0.020	0.010	mg/L			06/08/20 18:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*85 - 114*		*06/08/20 18:17*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*06/08/20 18:17*	*20*
Toluene-d8 (Surr)	*113*	*Q*	*89 - 112*		*06/08/20 18:17*	*20*
1,2-Dichloroethane-d4 (Surr)	*96*		*81 - 118*		*06/08/20 18:17*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0099	U	0.049	0.0027	mg/L		06/03/20 17:03	06/09/20 00:37	1
2,4-Dinitrotoluene	0.0099	U	0.049	0.0059	mg/L		06/03/20 17:03	06/09/20 00:37	1
Hexachlorobenzene	0.0099	U	0.049	0.0040	mg/L		06/03/20 17:03	06/09/20 00:37	1
Hexachlorobutadiene	0.0099	U	0.049	0.0031	mg/L		06/03/20 17:03	06/09/20 00:37	1
Hexachloroethane	0.0099	U	0.049	0.0038	mg/L		06/03/20 17:03	06/09/20 00:37	1
2-Methylphenol	0.0099	U	0.049	0.0045	mg/L		06/03/20 17:03	06/09/20 00:37	1
3 & 4 Methylphenol	0.0099	U	0.049	0.0064	mg/L		06/03/20 17:03	06/09/20 00:37	1
Nitrobenzene	0.0099	U	0.049	0.0037	mg/L		06/03/20 17:03	06/09/20 00:37	1
Pentachlorophenol	0.020	U	0.25	0.0099	mg/L		06/03/20 17:03	06/09/20 00:37	1
Pyridine	0.025	U Q	0.25	0.012	mg/L		06/03/20 17:03	06/09/20 00:37	1
2,4,5-Trichlorophenol	0.0099	U	0.049	0.0059	mg/L		06/03/20 17:03	06/09/20 00:37	1
2,4,6-Trichlorophenol	0.0099	U	0.049	0.0043	mg/L		06/03/20 17:03	06/09/20 00:37	1

Client Sample ID: WCQP-1

Date Collected: 05/20/20 12:10
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-1

Matrix: Solid
Percent Solids: 72.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	82		19 - 119	06/03/20 17:03	06/09/20 00:37	1
Nitrobenzene-d5 (Surr)	99		44 - 120	06/03/20 17:03	06/09/20 00:37	1
Phenol-d5 (Surr)	85		27 - 110	06/03/20 17:03	06/09/20 00:37	1
Terphenyl-d14 (Surr)	80		50 - 134	06/03/20 17:03	06/09/20 00:37	1
2,4,6-Tribromophenol (Surr)	81		43 - 140	06/03/20 17:03	06/09/20 00:37	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	14	U	23	7.5	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1221	18	U	23	10	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1232	8.2	U	23	3.6	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1242	6.8	U	23	3.4	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1248	11	U M	23	5.6	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1254	18	U M	23	6.8	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1
PCB-1260	14	U M	23	6.6	ug/Kg	☼	06/02/20 11:00	06/05/20 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42	Q	44 - 129	06/02/20 11:00	06/05/20 20:01	1
Tetrachloro-m-xylene	72		42 - 129	06/02/20 11:00	06/05/20 20:01	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.00024	U	0.0012	0.00013	mg/L		06/03/20 17:03	06/08/20 15:13	1
gamma-BHC (Lindane)	0.00024	U M	0.0012	0.000087	mg/L		06/03/20 17:03	06/08/20 15:13	1
Heptachlor	0.00043	U	0.0012	0.00017	mg/L		06/03/20 17:03	06/08/20 15:13	1
Heptachlor epoxide	0.00024	U	0.0012	0.000092	mg/L		06/03/20 17:03	06/08/20 15:13	1
Methoxychlor	0.00043	U	0.0012	0.00024	mg/L		06/03/20 17:03	06/08/20 15:13	1
Chlordane (technical)	0.0073	U	0.012	0.0023	mg/L		06/03/20 17:03	06/08/20 15:13	1
Toxaphene	0.019	U	0.12	0.0097	mg/L		06/03/20 17:03	06/08/20 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		14 - 130	06/03/20 17:03	06/08/20 15:13	1
Tetrachloro-m-xylene	64		44 - 124	06/03/20 17:03	06/08/20 15:13	1

Method: 8151A DOD - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0058	U M	0.024	0.0018	mg/L		06/03/20 09:31	06/06/20 00:40	1
Silvex (2,4,5-TP)	0.0053	U M	0.012	0.0030	mg/L		06/03/20 09:31	06/06/20 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	87		32 - 138	06/03/20 09:31	06/06/20 00:40	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	U	0.10	0.0060	mg/L		06/02/20 13:12	06/03/20 16:34	1
Arsenic	0.15	U	0.20	0.062	mg/L		06/02/20 13:12	06/03/20 16:34	1
Barium	**0.74**	**J**	1.0	0.017	mg/L		06/02/20 13:12	06/03/20 16:34	1
Cadmium	0.030	U	0.10	0.010	mg/L		06/02/20 13:12	06/03/20 16:34	1
Chromium	0.040	U	0.20	0.016	mg/L		06/02/20 13:12	06/03/20 16:34	1
Lead	0.10	U	0.20	0.039	mg/L		06/02/20 13:12	06/03/20 16:34	1
Selenium	**0.15**	**J**	0.50	0.099	mg/L		06/02/20 13:12	06/03/20 16:34	1

Client Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Client Sample ID: WCQP-1

Lab Sample ID: 680-184333-1
Date Collected: 05/20/20 12:10
Matrix: Solid
Date Received: 05/28/20 11:00
Percent Solids: 72.2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0080	mg/L		06/02/20 13:39	06/03/20 15:39	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	NB				mm/sec			05/29/20 11:33	1

Client Sample ID: WCQP-2

Lab Sample ID: 680-184333-2
Date Collected: 05/20/20 12:15
Matrix: Solid
Date Received: 05/28/20 11:00
Percent Solids: 63.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	11	U	11	5.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1,1-Trichloroethane	3.3	U	11	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1,2,2-Tetrachloroethane	6.5	U	11	3.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1,2-Trichloroethane	6.5	U	11	2.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1-Dichloroethane	6.5	U	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1-Dichloroethene	6.5	U	11	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,1-Dichloropropene	3.3	U	11	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,2,3-Trichlorobenzene	6.5	U Q	11	3.5	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,2,4-Trimethylbenzene	6.5	U Q	11	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,2-Dichloroethane	6.5	U M	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,2-Dichloroethene, Total	3.3	U	22	1.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,2-Dichloropropane	3.3	U	11	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,3,5-Trimethylbenzene	11	U Q	11	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
1,3-Dichloropropane	11	U Q	11	3.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
2,2-Dichloropropane	6.5	U	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
2-Butanone (MEK)	16	U	54	5.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
2-Chlorotoluene	11	U	11	4.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
2-Hexanone	16	U	54	7.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
4-Chlorotoluene	11	U	11	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
4-Isopropyltoluene	11	U Q	11	4.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
4-Methyl-2-pentanone (MIBK)	16	U	54	9.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Acetone	54	U	110	24	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Benzene	3.3	U	11	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Bromobenzene	11	U	11	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Bromoform	6.5	U	11	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Bromomethane	6.5	U	11	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Carbon disulfide	6.5	U	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Carbon tetrachloride	3.3	U	11	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chlorobenzene	3.3	U	11	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chlorobromomethane	11	U	11	7.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chlorodibromomethane	11	U	11	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chloroethane	11	U	11	5.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chloroform	6.5	U	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Chloromethane	6.5	U	11	2.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
cis-1,2-Dichloroethene	6.5	U	11	3.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
cis-1,3-Dichloropropene	3.3	U	11	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Dibromomethane	11	U	11	3.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Dichlorobromomethane	3.3	U	11	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1

Client Sample ID: WCQP-2 | **Lab Sample ID: 680-184333-2**

Date Collected: 05/20/20 12:15 | **Matrix: Solid**

Date Received: 05/28/20 11:00 | **Percent Solids: 63.2**

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.3	U M	11	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Ethylbenzene	11	U	11	2.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Isopropylbenzene	11	U Q	11	4.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Methyl tert-butyl ether	6.5	U	11	2.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Methylene Chloride	**2.9**	**J**	11	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
m-Xylene & p-Xylene	11	U	11	5.7	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
n-Butylbenzene	11	U Q	11	5.2	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
N-Propylbenzene	11	U Q	11	5.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
o-Xylene	6.5	U	11	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
sec-Butylbenzene	11	U Q	11	4.6	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Styrene	3.3	U	11	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
tert-Butylbenzene	11	U Q	11	3.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Tetrachloroethene	11	U	11	4.1	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Toluene	3.3	U	11	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
trans-1,2-Dichloroethene	3.3	U	11	1.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
trans-1,3-Dichloropropene	3.3	U Q	11	1.9	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Trichloroethene	6.5	U	11	2.8	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Trichlorofluoromethane	6.5	U	11	2.6	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Vinyl acetate	13	U	22	5.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Vinyl chloride	6.5	U	11	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1
Xylenes, Total	6.5	U	22	2.4	ug/Kg	☼	06/02/20 14:50	06/02/20 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*71 - 138*	*06/02/20 14:50*	*06/02/20 18:41*	*1*
4-Bromofluorobenzene (Surr)	*133*	*Q*	*79 - 119*	*06/02/20 14:50*	*06/02/20 18:41*	*1*
Dibromofluoromethane (Surr)	*105*		*78 - 119*	*06/02/20 14:50*	*06/02/20 18:41*	*1*
Toluene-d8 (Surr)	*123*	*Q*	*85 - 116*	*06/02/20 14:50*	*06/02/20 18:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.020	U	0.020	0.0072	mg/L			06/08/20 18:40	20
1,2-Dichloroethane	0.020	U M	0.020	0.010	mg/L			06/08/20 18:40	20
2-Butanone (MEK)	0.20	U	0.20	0.068	mg/L			06/08/20 18:40	20
Benzene	0.020	U	0.020	0.0086	mg/L			06/08/20 18:40	20
Carbon tetrachloride	0.020	U	0.020	0.0066	mg/L			06/08/20 18:40	20
Chlorobenzene	0.010	U	0.020	0.0052	mg/L			06/08/20 18:40	20
Chloroform	0.020	U	0.020	0.010	mg/L			06/08/20 18:40	20
Tetrachloroethene	0.020	U	0.020	0.015	mg/L			06/08/20 18:40	20
Trichloroethene	0.020	U	0.020	0.0096	mg/L			06/08/20 18:40	20
Vinyl chloride	0.020	U	0.020	0.010	mg/L			06/08/20 18:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*85 - 114*		*06/08/20 18:40*	*20*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*06/08/20 18:40*	*20*
Toluene-d8 (Surr)	*110*		*89 - 112*		*06/08/20 18:40*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 118*		*06/08/20 18:40*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.010	U	0.050	0.0027	mg/L		06/03/20 17:03	06/09/20 00:59	1

Client Sample ID: WCQP-2

Date Collected: 05/20/20 12:15
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-2

Matrix: Solid
Percent Solids: 63.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.010	U	0.050	0.0060	mg/L		06/03/20 17:03	06/09/20 00:59	1
Hexachlorobenzene	0.010	U	0.050	0.0040	mg/L		06/03/20 17:03	06/09/20 00:59	1
Hexachlorobutadiene	0.010	U	0.050	0.0031	mg/L		06/03/20 17:03	06/09/20 00:59	1
Hexachloroethane	0.010	U	0.050	0.0038	mg/L		06/03/20 17:03	06/09/20 00:59	1
2-Methylphenol	0.010	U	0.050	0.0045	mg/L		06/03/20 17:03	06/09/20 00:59	1
3 & 4 Methylphenol	0.010	U	0.050	0.0065	mg/L		06/03/20 17:03	06/09/20 00:59	1
Nitrobenzene	0.010	U	0.050	0.0037	mg/L		06/03/20 17:03	06/09/20 00:59	1
Pentachlorophenol	0.020	U	0.25	0.010	mg/L		06/03/20 17:03	06/09/20 00:59	1
Pyridine	0.025	U Q M	0.25	0.012	mg/L		06/03/20 17:03	06/09/20 00:59	1
2,4,5-Trichlorophenol	0.010	U	0.050	0.0060	mg/L		06/03/20 17:03	06/09/20 00:59	1
2,4,6-Trichlorophenol	0.010	U	0.050	0.0043	mg/L		06/03/20 17:03	06/09/20 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*84*		*19 - 119*	*06/03/20 17:03*	*06/09/20 00:59*	*1*
Nitrobenzene-d5 (Surr)	*100*		*44 - 120*	*06/03/20 17:03*	*06/09/20 00:59*	*1*
Phenol-d5 (Surr)	*85*		*27 - 110*	*06/03/20 17:03*	*06/09/20 00:59*	*1*
Terphenyl-d14 (Surr)	*105*		*50 - 134*	*06/03/20 17:03*	*06/09/20 00:59*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*43 - 140*	*06/03/20 17:03*	*06/09/20 00:59*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	15	U M	25	8.4	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1221	20	U	25	11	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1232	9.2	U M	25	4.0	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1242	7.7	U M	25	3.8	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1248	12	U M	25	6.3	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1254	**37**		25	7.7	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1
PCB-1260	15	U M	25	7.3	ug/Kg	☼	06/02/20 11:00	06/05/20 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*44 - 129*	*06/02/20 11:00*	*06/05/20 20:15*	*1*
Tetrachloro-m-xylene	*68*		*42 - 129*	*06/02/20 11:00*	*06/05/20 20:15*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.00023	U	0.0012	0.00013	mg/L		06/03/20 17:03	06/08/20 15:27	1
gamma-BHC (Lindane)	0.00023	U	0.0012	0.000085	mg/L		06/03/20 17:03	06/08/20 15:27	1
Heptachlor	0.00041	U	0.0012	0.00017	mg/L		06/03/20 17:03	06/08/20 15:27	1
Heptachlor epoxide	0.00023	U	0.0012	0.000089	mg/L		06/03/20 17:03	06/08/20 15:27	1
Methoxychlor	0.00041	U	0.0012	0.00023	mg/L		06/03/20 17:03	06/08/20 15:27	1
Chlordane (technical)	0.0070	U	0.012	0.0023	mg/L		06/03/20 17:03	06/08/20 15:27	1
Toxaphene	0.019	U	0.12	0.0094	mg/L		06/03/20 17:03	06/08/20 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*14 - 130*	*06/03/20 17:03*	*06/08/20 15:27*	*1*
Tetrachloro-m-xylene	*66*		*44 - 124*	*06/03/20 17:03*	*06/08/20 15:27*	*1*

Method: 8151A DOD - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	**0.014**	**J**	0.024	0.0018	mg/L		06/03/20 09:31	06/06/20 01:00	1
Silvex (2,4,5-TP)	0.0052	U	0.012	0.0029	mg/L		06/03/20 09:31	06/06/20 01:00	1

Client Sample ID: WCQP-2

Lab Sample ID: 680-184333-2

Date Collected: 05/20/20 12:15
Matrix: Solid
Date Received: 05/28/20 11:00
Percent Solids: 63.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*81*		*32 - 138*	*06/03/20 09:31*	*06/06/20 01:00*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	U	0.10	0.0060	mg/L		06/02/20 13:12	06/03/20 16:38	1
Arsenic	0.15	U	0.20	0.062	mg/L		06/02/20 13:12	06/03/20 16:38	1
Barium	**1.2**		1.0	0.017	mg/L		06/02/20 13:12	06/03/20 16:38	1
Cadmium	**0.011**	**J**	0.10	0.010	mg/L		06/02/20 13:12	06/03/20 16:38	1
Chromium	0.040	U	0.20	0.016	mg/L		06/02/20 13:12	06/03/20 16:38	1
Lead	**0.10**	**J**	0.20	0.039	mg/L		06/02/20 13:12	06/03/20 16:38	1
Selenium	**0.13**	**J**	0.50	0.099	mg/L		06/02/20 13:12	06/03/20 16:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0080	mg/L		06/02/20 13:39	06/03/20 15:43	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	**NB**				mm/sec			05/29/20 11:33	1

Client Sample ID: WCQP-3

Lab Sample ID: 680-184333-3

Date Collected: 05/20/20 12:20
Matrix: Solid
Date Received: 05/28/20 11:00
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	9.0	U	9.0	4.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1,1-Trichloroethane	2.7	U	9.0	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1,2,2-Tetrachloroethane	5.4	U	9.0	2.9	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1,2-Trichloroethane	5.4	U	9.0	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1-Dichloroethane	5.4	U	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1-Dichloroethene	5.4	U	9.0	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,1-Dichloropropene	2.7	U	9.0	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,2,3-Trichlorobenzene	5.4	U	9.0	2.9	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,2,4-Trimethylbenzene	5.4	U Q	9.0	2.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,2-Dichloroethane	5.4	U M	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,2-Dichloroethene, Total	2.7	U	18	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,2-Dichloropropane	2.7	U	9.0	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,3,5-Trimethylbenzene	9.0	U Q	9.0	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
1,3-Dichloropropane	9.0	U Q	9.0	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
2,2-Dichloropropane	5.4	U	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
2-Butanone (MEK)	14	U	45	4.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
2-Chlorotoluene	9.0	U	9.0	3.6	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
2-Hexanone	14	U	45	6.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
4-Chlorotoluene	9.0	U	9.0	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
4-Isopropyltoluene	9.0	U	9.0	4.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
4-Methyl-2-pentanone (MIBK)	14	U	45	7.6	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Acetone	45	U	90	20	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Benzene	2.7	U	9.0	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Bromobenzene	9.0	U	9.0	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Bromoform	5.4	U	9.0	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1

Client Sample ID: WCQP-3

Date Collected: 05/20/20 12:20
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-3

Matrix: Solid
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	5.4	U	9.0	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Carbon disulfide	5.4	U	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Carbon tetrachloride	2.7	U	9.0	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chlorobenzene	2.7	U	9.0	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chlorobromomethane	9.0	U	9.0	6.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chlorodibromomethane	9.0	U	9.0	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chloroethane	9.0	U	9.0	4.9	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chloroform	5.4	U	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Chloromethane	5.4	U M	9.0	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
cis-1,2-Dichloroethene	5.4	U	9.0	2.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
cis-1,3-Dichloropropene	2.7	U	9.0	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Dibromomethane	9.0	U	9.0	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Dichlorobromomethane	2.7	U	9.0	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Dichlorodifluoromethane	2.7	U	9.0	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Ethylbenzene	9.0	U	9.0	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Isopropylbenzene	9.0	U Q	9.0	3.4	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Methyl tert-butyl ether	5.4	U	9.0	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Methylene Chloride	**2.6**	**J**	9.0	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
m-Xylene & p-Xylene	9.0	U	9.0	4.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
n-Butylbenzene	9.0	U	9.0	4.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
N-Propylbenzene	9.0	U Q	9.0	4.9	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
o-Xylene	5.4	U	9.0	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
sec-Butylbenzene	9.0	U Q	9.0	3.8	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Styrene	2.7	U	9.0	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
tert-Butylbenzene	9.0	U Q	9.0	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Tetrachloroethene	9.0	U	9.0	3.4	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Toluene	2.7	U	9.0	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
trans-1,2-Dichloroethene	2.7	U	9.0	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
trans-1,3-Dichloropropene	2.7	U Q	9.0	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Trichloroethene	5.4	U	9.0	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Trichlorofluoromethane	5.4	U	9.0	2.2	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Vinyl acetate	11	U	18	4.5	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Vinyl chloride	5.4	U	9.0	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1
Xylenes, Total	5.4	U	18	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 138*	*06/02/20 14:50*	*06/02/20 19:02*	*1*
4-Bromofluorobenzene (Surr)	*126*	*Q*	*79 - 119*	*06/02/20 14:50*	*06/02/20 19:02*	*1*
Dibromofluoromethane (Surr)	*102*		*78 - 119*	*06/02/20 14:50*	*06/02/20 19:02*	*1*
Toluene-d8 (Surr)	*110*		*85 - 116*	*06/02/20 14:50*	*06/02/20 19:02*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.020	U	0.020	0.0072	mg/L			06/08/20 19:03	20
1,2-Dichloroethane	0.020	U M	0.020	0.010	mg/L			06/08/20 19:03	20
2-Butanone (MEK)	0.20	U	0.20	0.068	mg/L			06/08/20 19:03	20
Benzene	0.020	U	0.020	0.0086	mg/L			06/08/20 19:03	20
Carbon tetrachloride	0.020	U	0.020	0.0066	mg/L			06/08/20 19:03	20
Chlorobenzene	0.010	U	0.020	0.0052	mg/L			06/08/20 19:03	20
Chloroform	0.020	U	0.020	0.010	mg/L			06/08/20 19:03	20

Client Sample ID: WCQP-3
Date Collected: 05/20/20 12:20
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-3
Matrix: Solid
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.020	U	0.020	0.015	mg/L			06/08/20 19:03	20
Trichloroethene	0.020	U	0.020	0.0096	mg/L			06/08/20 19:03	20
Vinyl chloride	0.020	U	0.020	0.010	mg/L			06/08/20 19:03	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*85 - 114*		*06/08/20 19:03*	*20*
Dibromofluoromethane (Surr)	*103*		*80 - 119*		*06/08/20 19:03*	*20*
Toluene-d8 (Surr)	*111*		*89 - 112*		*06/08/20 19:03*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*06/08/20 19:03*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0099	U	0.050	0.0027	mg/L		06/03/20 17:03	06/09/20 01:21	1
2,4-Dinitrotoluene	0.0099	U M	0.050	0.0059	mg/L		06/03/20 17:03	06/09/20 01:21	1
Hexachlorobenzene	0.0099	U	0.050	0.0040	mg/L		06/03/20 17:03	06/09/20 01:21	1
Hexachlorobutadiene	0.0099	U	0.050	0.0031	mg/L		06/03/20 17:03	06/09/20 01:21	1
Hexachloroethane	0.0099	U	0.050	0.0038	mg/L		06/03/20 17:03	06/09/20 01:21	1
2-Methylphenol	0.0099	U	0.050	0.0045	mg/L		06/03/20 17:03	06/09/20 01:21	1
3 & 4 Methylphenol	0.0099	U	0.050	0.0064	mg/L		06/03/20 17:03	06/09/20 01:21	1
Nitrobenzene	0.0099	U	0.050	0.0037	mg/L		06/03/20 17:03	06/09/20 01:21	1
Pentachlorophenol	0.020	U	0.25	0.0099	mg/L		06/03/20 17:03	06/09/20 01:21	1
Pyridine	0.025	U Q M	0.25	0.012	mg/L		06/03/20 17:03	06/09/20 01:21	1
2,4,5-Trichlorophenol	0.0099	U	0.050	0.0059	mg/L		06/03/20 17:03	06/09/20 01:21	1
2,4,6-Trichlorophenol	0.0099	U	0.050	0.0043	mg/L		06/03/20 17:03	06/09/20 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*81*		*19 - 119*	*06/03/20 17:03*	*06/09/20 01:21*	*1*
Nitrobenzene-d5 (Surr)	*98*		*44 - 120*	*06/03/20 17:03*	*06/09/20 01:21*	*1*
Phenol-d5 (Surr)	*85*		*27 - 110*	*06/03/20 17:03*	*06/09/20 01:21*	*1*
Terphenyl-d14 (Surr)	*112*		*50 - 134*	*06/03/20 17:03*	*06/09/20 01:21*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*43 - 140*	*06/03/20 17:03*	*06/09/20 01:21*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	13	U	21	7.0	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1221	17	U	21	9.6	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1232	7.7	U M	21	3.3	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1242	6.4	U	21	3.2	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1248	10	U M	21	5.2	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1254	17	U M	21	6.4	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1
PCB-1260	13	U M	21	6.1	ug/Kg	☼	06/02/20 11:00	06/05/20 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*44 - 129*	*06/02/20 11:00*	*06/05/20 20:30*	*1*
Tetrachloro-m-xylene	*70*		*42 - 129*	*06/02/20 11:00*	*06/05/20 20:30*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.00024	U	0.0012	0.00013	mg/L		06/03/20 17:03	06/08/20 15:41	1
gamma-BHC (Lindane)	0.00024	U	0.0012	0.000087	mg/L		06/03/20 17:03	06/08/20 15:41	1
Heptachlor	0.00042	U	0.0012	0.00017	mg/L		06/03/20 17:03	06/08/20 15:41	1

Client Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Client Sample ID: WCQP-3
Date Collected: 05/20/20 12:20
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184333-3
Matrix: Solid
Percent Solids: 76.1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) - TCLP (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.00024	U	0.0012	0.000091	mg/L		06/03/20 17:03	06/08/20 15:41	1
Methoxychlor	0.00042	U	0.0012	0.00024	mg/L		06/03/20 17:03	06/08/20 15:41	1
Chlordane (technical)	0.0072	U	0.012	0.0023	mg/L		06/03/20 17:03	06/08/20 15:41	1
Toxaphene	0.019	U	0.12	0.0096	mg/L		06/03/20 17:03	06/08/20 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*14 - 130*	*06/03/20 17:03*	*06/08/20 15:41*	*1*
Tetrachloro-m-xylene	*69*		*44 - 124*	*06/03/20 17:03*	*06/08/20 15:41*	*1*

Method: 8151A DOD - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0058	U M	0.024	0.0018	mg/L		06/03/20 09:31	06/06/20 01:19	1
Silvex (2,4,5-TP)	0.0054	U M	0.012	0.0030	mg/L		06/03/20 09:31	06/06/20 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*82*		*32 - 138*	*06/03/20 09:31*	*06/06/20 01:19*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	U	0.10	0.0060	mg/L		06/02/20 13:12	06/03/20 16:42	1
Arsenic	0.15	U	0.20	0.062	mg/L		06/02/20 13:12	06/03/20 16:42	1
Barium	**0.62**	**J**	1.0	0.017	mg/L		06/02/20 13:12	06/03/20 16:42	1
Cadmium	0.030	U	0.10	0.010	mg/L		06/02/20 13:12	06/03/20 16:42	1
Chromium	0.040	U	0.20	0.016	mg/L		06/02/20 13:12	06/03/20 16:42	1
Lead	0.10	U	0.20	0.039	mg/L		06/02/20 13:12	06/03/20 16:42	1
Selenium	0.20	U	0.50	0.099	mg/L		06/02/20 13:12	06/03/20 16:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0080	mg/L		06/02/20 13:39	06/03/20 15:47	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	**NB**				mm/sec			05/29/20 11:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-620830/9
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	5.0	U	5.0	2.4	ug/Kg			06/02/20 15:29	1
1,1,1-Trichloroethane	1.5	U	5.0	0.59	ug/Kg			06/02/20 15:29	1
1,1,2,2-Tetrachloroethane	3.0	U	5.0	1.6	ug/Kg			06/02/20 15:29	1
1,1,2-Trichloroethane	3.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
1,1-Dichloroethane	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
1,1-Dichloroethene	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
1,1-Dichloropropene	1.5	U	5.0	0.95	ug/Kg			06/02/20 15:29	1
1,2,3-Trichlorobenzene	3.0	U	5.0	1.6	ug/Kg			06/02/20 15:29	1
1,2,4-Trimethylbenzene	3.0	U	5.0	1.4	ug/Kg			06/02/20 15:29	1
1,2-Dichloroethane	3.0	U M	5.0	1.1	ug/Kg			06/02/20 15:29	1
1,2-Dichloroethene, Total	1.5	U	10	0.63	ug/Kg			06/02/20 15:29	1
1,2-Dichloropropane	1.5	U	5.0	0.86	ug/Kg			06/02/20 15:29	1
1,3,5-Trimethylbenzene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
1,3-Dichloropropane	5.0	U	5.0	1.8	ug/Kg			06/02/20 15:29	1
2,2-Dichloropropane	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
2-Butanone (MEK)	7.5	U	25	2.4	ug/Kg			06/02/20 15:29	1
2-Chlorotoluene	5.0	U	5.0	2.0	ug/Kg			06/02/20 15:29	1
2-Hexanone	7.5	U	25	3.3	ug/Kg			06/02/20 15:29	1
4-Chlorotoluene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
4-Isopropyltoluene	5.0	U	5.0	2.2	ug/Kg			06/02/20 15:29	1
4-Methyl-2-pentanone (MIBK)	7.5	U	25	4.2	ug/Kg			06/02/20 15:29	1
Acetone	25	U	50	11	ug/Kg			06/02/20 15:29	1
Benzene	1.5	U	5.0	0.73	ug/Kg			06/02/20 15:29	1
Bromobenzene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Bromoform	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Bromomethane	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Carbon disulfide	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
Carbon tetrachloride	1.5	U	5.0	0.83	ug/Kg			06/02/20 15:29	1
Chlorobenzene	1.5	U	5.0	0.96	ug/Kg			06/02/20 15:29	1
Chlorobromomethane	5.0	U	5.0	3.3	ug/Kg			06/02/20 15:29	1
Chlorodibromomethane	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Chloroethane	5.0	U	5.0	2.7	ug/Kg			06/02/20 15:29	1
Chloroform	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
Chloromethane	3.0	U	5.0	1.0	ug/Kg			06/02/20 15:29	1
cis-1,2-Dichloroethene	3.0	U	5.0	1.4	ug/Kg			06/02/20 15:29	1
cis-1,3-Dichloropropene	1.5	U	5.0	0.83	ug/Kg			06/02/20 15:29	1
Dibromomethane	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Dichlorobromomethane	1.5	U	5.0	0.97	ug/Kg			06/02/20 15:29	1
Dichlorodifluoromethane	1.5	U	5.0	0.94	ug/Kg			06/02/20 15:29	1
Ethylbenzene	5.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
Isopropylbenzene	5.0	U	5.0	1.9	ug/Kg			06/02/20 15:29	1
Methyl tert-butyl ether	3.0	U	5.0	1.0	ug/Kg			06/02/20 15:29	1
Methylene Chloride	1.5	U	5.0	0.98	ug/Kg			06/02/20 15:29	1
m-Xylene & p-Xylene	5.0	U	5.0	2.6	ug/Kg			06/02/20 15:29	1
n-Butylbenzene	5.0	U	5.0	2.4	ug/Kg			06/02/20 15:29	1
N-Propylbenzene	5.0	U	5.0	2.7	ug/Kg			06/02/20 15:29	1
o-Xylene	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
sec-Butylbenzene	5.0	U	5.0	2.1	ug/Kg			06/02/20 15:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-620830/9 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620830

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.5	U	5.0	0.93	ug/Kg			06/02/20 15:29	1
tert-Butylbenzene	5.0	U	5.0	1.8	ug/Kg			06/02/20 15:29	1
Tetrachloroethene	5.0	U	5.0	1.9	ug/Kg			06/02/20 15:29	1
Toluene	1.5	U	5.0	0.84	ug/Kg			06/02/20 15:29	1
trans-1,2-Dichloroethene	1.5	U	5.0	0.63	ug/Kg			06/02/20 15:29	1
trans-1,3-Dichloropropene	1.5	U	5.0	0.87	ug/Kg			06/02/20 15:29	1
Trichloroethene	3.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
Trichlorofluoromethane	3.0	U	5.0	1.2	ug/Kg			06/02/20 15:29	1
Vinyl acetate	6.0	U	10	2.5	ug/Kg			06/02/20 15:29	1
Vinyl chloride	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Xylenes, Total	3.0	U	10	1.1	ug/Kg			06/02/20 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*71 - 138*		*06/02/20 15:29*	*1*
4-Bromofluorobenzene (Surr)	*107*		*79 - 119*		*06/02/20 15:29*	*1*
Dibromofluoromethane (Surr)	*91*		*78 - 119*		*06/02/20 15:29*	*1*
Toluene-d8 (Surr)	*107*		*85 - 116*		*06/02/20 15:29*	*1*

Lab Sample ID: LCS 680-620830/5 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.8		ug/Kg		104	78 - 125
1,1,1-Trichloroethane	50.0	46.2		ug/Kg		92	73 - 130
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/Kg		105	70 - 124
1,1,2-Trichloroethane	50.0	45.5		ug/Kg		91	78 - 121
1,1-Dichloroethane	50.0	44.5		ug/Kg		89	76 - 125
1,1-Dichloroethene	50.0	47.2		ug/Kg		94	70 - 131
1,1-Dichloropropene	50.0	49.1		ug/Kg		98	76 - 125
1,2,3-Trichlorobenzene	50.0	57.2		ug/Kg		114	66 - 130
1,2,4-Trimethylbenzene	50.0	55.6		ug/Kg		111	75 - 123
1,2-Dichloroethane	50.0	42.6		ug/Kg		85	73 - 128
1,2-Dichloroethene, Total	100	91.2		ug/Kg		91	78 - 122
1,2-Dichloropropane	50.0	46.5		ug/Kg		93	76 - 123
1,3,5-Trimethylbenzene	50.0	56.2	M	ug/Kg		112	73 - 124
1,3-Dichloropropane	50.0	44.4		ug/Kg		89	77 - 121
2,2-Dichloropropane	50.0	48.4		ug/Kg		97	67 - 133
2-Butanone (MEK)	250	251		ug/Kg		100	51 - 148
2-Chlorotoluene	50.0	53.8		ug/Kg		108	75 - 122
2-Hexanone	250	221		ug/Kg		88	53 - 145
4-Chlorotoluene	50.0	51.7		ug/Kg		103	72 - 124
4-Isopropyltoluene	50.0	57.1		ug/Kg		114	73 - 127
4-Methyl-2-pentanone (MIBK)	250	232		ug/Kg		93	65 - 135
Acetone	250	224		ug/Kg		90	36 - 164
Benzene	50.0	48.2		ug/Kg		96	77 - 121
Bromobenzene	50.0	52.0		ug/Kg		104	78 - 121
Bromoform	50.0	52.0		ug/Kg		104	67 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-620830/5
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	50.0	45.1		ug/Kg		90	53 - 143
Carbon disulfide	50.0	46.7		ug/Kg		93	63 - 132
Carbon tetrachloride	50.0	46.6		ug/Kg		93	70 - 135
Chlorobenzene	50.0	52.3		ug/Kg		105	79 - 120
Chlorobromomethane	50.0	46.0		ug/Kg		92	78 - 125
Chlorodibromomethane	50.0	45.7		ug/Kg		91	74 - 126
Chloroethane	50.0	46.6		ug/Kg		93	59 - 139
Chloroform	50.0	45.3		ug/Kg		91	78 - 123
Chloromethane	50.0	42.5		ug/Kg		85	50 - 136
cis-1,2-Dichloroethene	50.0	44.5		ug/Kg		89	77 - 123
cis-1,3-Dichloropropene	50.0	44.7		ug/Kg		89	74 - 126
Dibromomethane	50.0	44.5		ug/Kg		89	78 - 125
Dichlorobromomethane	50.0	45.2		ug/Kg		90	75 - 127
Dichlorodifluoromethane	50.0	48.4		ug/Kg		97	29 - 149
Ethylbenzene	50.0	53.1		ug/Kg		106	76 - 122
Isopropylbenzene	50.0	56.6		ug/Kg		113	68 - 134
Methyl tert-butyl ether	50.0	45.1		ug/Kg		90	73 - 125
Methylene Chloride	50.0	47.8		ug/Kg		96	70 - 128
m-Xylene & p-Xylene	50.0	52.9		ug/Kg		106	77 - 124
n-Butylbenzene	50.0	56.5		ug/Kg		113	70 - 128
N-Propylbenzene	50.0	54.7		ug/Kg		109	73 - 125
o-Xylene	50.0	53.7		ug/Kg		107	77 - 123
sec-Butylbenzene	50.0	59.1		ug/Kg		118	73 - 126
Styrene	50.0	51.7		ug/Kg		103	76 - 124
tert-Butylbenzene	50.0	58.6		ug/Kg		117	73 - 125
Tetrachloroethene	50.0	50.4		ug/Kg		101	73 - 128
Toluene	50.0	48.0		ug/Kg		96	77 - 121
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	74 - 125
trans-1,3-Dichloropropene	50.0	40.9		ug/Kg		82	71 - 130
Trichloroethene	50.0	50.6		ug/Kg		101	77 - 123
Trichlorofluoromethane	50.0	48.5		ug/Kg		97	62 - 140
Vinyl acetate	100	107		ug/Kg		107	50 - 151
Vinyl chloride	50.0	43.1		ug/Kg		86	56 - 135
Xylenes, Total	100	107		ug/Kg		107	78 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 138*
4-Bromofluorobenzene (Surr)	*97*		*79 - 119*
Dibromofluoromethane (Surr)	*89*		*78 - 119*
Toluene-d8 (Surr)	*104*		*85 - 116*

Lab Sample ID: LCSD 680-620830/6
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	54.2		ug/Kg		108	78 - 125	5	20
1,1,1-Trichloroethane	50.0	50.2		ug/Kg		100	73 - 130	8	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-620830/6
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	57.2		ug/Kg		114	70 - 124	9	20
1,1,2-Trichloroethane	50.0	47.1		ug/Kg		94	78 - 121	3	20
1,1-Dichloroethane	50.0	46.0		ug/Kg		92	76 - 125	3	20
1,1-Dichloroethene	50.0	48.0		ug/Kg		96	70 - 131	2	20
1,1-Dichloropropene	50.0	48.2		ug/Kg		96	76 - 125	2	20
1,2,3-Trichlorobenzene	50.0	56.7		ug/Kg		113	66 - 130	1	20
1,2,4-Trimethylbenzene	50.0	59.8		ug/Kg		120	75 - 123	7	20
1,2-Dichloroethane	50.0	44.1		ug/Kg		88	73 - 128	4	20
1,2-Dichloroethene, Total	100	95.8		ug/Kg		96	78 - 122	5	20
1,2-Dichloropropane	50.0	47.4		ug/Kg		95	76 - 123	2	20
1,3,5-Trimethylbenzene	50.0	59.6		ug/Kg		119	73 - 124	6	20
1,3-Dichloropropane	50.0	46.4		ug/Kg		93	77 - 121	4	20
2,2-Dichloropropane	50.0	53.5		ug/Kg		107	67 - 133	10	20
2-Butanone (MEK)	250	250		ug/Kg		100	51 - 148	0	20
2-Chlorotoluene	50.0	57.7		ug/Kg		115	75 - 122	7	20
2-Hexanone	250	241		ug/Kg		96	53 - 145	8	20
4-Chlorotoluene	50.0	57.7		ug/Kg		115	72 - 124	11	20
4-Isopropyltoluene	50.0	56.9		ug/Kg		114	73 - 127	0	20
4-Methyl-2-pentanone (MIBK)	250	249		ug/Kg		100	65 - 135	7	20
Acetone	250	230		ug/Kg		92	36 - 164	3	20
Benzene	50.0	48.8		ug/Kg		98	77 - 121	1	20
Bromobenzene	50.0	56.6		ug/Kg		113	78 - 121	8	20
Bromoform	50.0	57.1		ug/Kg		114	67 - 132	9	20
Bromomethane	50.0	49.2		ug/Kg		98	53 - 143	9	20
Carbon disulfide	50.0	50.3		ug/Kg		101	63 - 132	7	20
Carbon tetrachloride	50.0	50.1		ug/Kg		100	70 - 135	7	20
Chlorobenzene	50.0	53.2		ug/Kg		106	79 - 120	2	20
Chlorobromomethane	50.0	47.0		ug/Kg		94	78 - 125	2	20
Chlorodibromomethane	50.0	48.2		ug/Kg		96	74 - 126	5	20
Chloroethane	50.0	50.8		ug/Kg		102	59 - 139	9	20
Chloroform	50.0	47.0		ug/Kg		94	78 - 123	4	20
Chloromethane	50.0	46.0		ug/Kg		92	50 - 136	8	20
cis-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	77 - 123	4	20
cis-1,3-Dichloropropene	50.0	45.4		ug/Kg		91	74 - 126	2	20
Dibromomethane	50.0	46.6		ug/Kg		93	78 - 125	5	20
Dichlorobromomethane	50.0	45.9		ug/Kg		92	75 - 127	2	20
Dichlorodifluoromethane	50.0	50.7		ug/Kg		101	29 - 149	5	20
Ethylbenzene	50.0	54.7		ug/Kg		109	76 - 122	3	20
Isopropylbenzene	50.0	58.4		ug/Kg		117	68 - 134	3	20
Methyl tert-butyl ether	50.0	50.7		ug/Kg		101	73 - 125	12	20
Methylene Chloride	50.0	50.0		ug/Kg		100	70 - 128	5	20
m-Xylene & p-Xylene	50.0	55.8		ug/Kg		112	77 - 124	5	20
n-Butylbenzene	50.0	58.2		ug/Kg		116	70 - 128	3	20
N-Propylbenzene	50.0	59.8		ug/Kg		120	73 - 125	9	20
o-Xylene	50.0	55.4		ug/Kg		111	77 - 123	3	20
sec-Butylbenzene	50.0	62.0		ug/Kg		124	73 - 126	5	20
Styrene	50.0	55.6		ug/Kg		111	76 - 124	7	20
tert-Butylbenzene	50.0	59.2		ug/Kg		118	73 - 125	1	20
Tetrachloroethene	50.0	51.3		ug/Kg		103	73 - 128	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-620830/6 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620830

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	50.0	49.2		ug/Kg		98	77 - 121	3	20
trans-1,2-Dichloroethene	50.0	49.2		ug/Kg		98	74 - 125	5	20
trans-1,3-Dichloropropene	50.0	42.7		ug/Kg		85	71 - 130	4	20
Trichloroethene	50.0	49.8		ug/Kg		100	77 - 123	2	20
Trichlorofluoromethane	50.0	51.8		ug/Kg		104	62 - 140	7	20
Vinyl acetate	100	114		ug/Kg		114	50 - 151	7	20
Vinyl chloride	50.0	46.1		ug/Kg		92	56 - 135	7	20
Xylenes, Total	100	111		ug/Kg		111	78 - 124	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*71 - 138*
4-Bromofluorobenzene (Surr)	*95*		*79 - 119*
Dibromofluoromethane (Surr)	*92*		*78 - 119*
Toluene-d8 (Surr)	*100*		*85 - 116*

Lab Sample ID: MB 680-621572/8 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621572

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0010	U	0.0010	0.00036	mg/L			06/08/20 12:05	1
1,2-Dichloroethane	0.0010	U M	0.0010	0.00050	mg/L			06/08/20 12:05	1
2-Butanone (MEK)	0.010	U	0.010	0.0034	mg/L			06/08/20 12:05	1
Benzene	0.0010	U	0.0010	0.00043	mg/L			06/08/20 12:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00033	mg/L			06/08/20 12:05	1
Chlorobenzene	0.00050	U	0.0010	0.00026	mg/L			06/08/20 12:05	1
Chloroform	0.0010	U	0.0010	0.00050	mg/L			06/08/20 12:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00075	mg/L			06/08/20 12:05	1
Trichloroethene	0.0010	U	0.0010	0.00048	mg/L			06/08/20 12:05	1
Vinyl chloride	0.0010	U	0.0010	0.00050	mg/L			06/08/20 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 118*		*06/08/20 12:05*	*1*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*		*06/08/20 12:05*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 119*		*06/08/20 12:05*	*1*
Toluene-d8 (Surr)	*109*		*89 - 112*		*06/08/20 12:05*	*1*

Lab Sample ID: LCS 680-621572/3 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0500	0.0526		mg/L		105	71 - 131
1,2-Dichloroethane	0.0500	0.0520		mg/L		104	73 - 128
2-Butanone (MEK)	0.250	0.250		mg/L		100	56 - 143
Benzene	0.0500	0.0499		mg/L		100	79 - 120
Carbon tetrachloride	0.0500	0.0521		mg/L		104	72 - 136
Chlorobenzene	0.0500	0.0506		mg/L		101	82 - 118

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-621572/3
Matrix: Solid
Analysis Batch: 621572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloroform			0.0500	0.0510		mg/L		102	79 - 124		
Tetrachloroethene			0.0500	0.0536		mg/L		107	74 - 129		
Trichloroethene			0.0500	0.0521		mg/L		104	79 - 123		
Vinyl chloride			0.0500	0.0506		mg/L		101	58 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 118*
4-Bromofluorobenzene (Surr)	*107*		*85 - 114*
Dibromofluoromethane (Surr)	*109*		*80 - 119*
Toluene-d8 (Surr)	*110*		*89 - 112*

Lab Sample ID: LCSD 680-621572/4
Matrix: Solid
Analysis Batch: 621572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			0.0500	0.0519		mg/L		104	71 - 131	2	20
1,2-Dichloroethane			0.0500	0.0515		mg/L		103	73 - 128	1	20
2-Butanone (MEK)			0.250	0.239		mg/L		95	56 - 143	5	20
Benzene			0.0500	0.0497		mg/L		99	79 - 120	0	20
Carbon tetrachloride			0.0500	0.0500		mg/L		100	72 - 136	4	20
Chlorobenzene			0.0500	0.0507		mg/L		101	82 - 118	0	20
Chloroform			0.0500	0.0509		mg/L		102	79 - 124	0	20
Tetrachloroethene			0.0500	0.0529		mg/L		106	74 - 129	1	20
Trichloroethene			0.0500	0.0516		mg/L		103	79 - 123	1	20
Vinyl chloride			0.0500	0.0498		mg/L		100	58 - 137	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 118*
4-Bromofluorobenzene (Surr)	*105*		*85 - 114*
Dibromofluoromethane (Surr)	*108*		*80 - 119*
Toluene-d8 (Surr)	*108*		*89 - 112*

Lab Sample ID: LB 680-620680/1-A
Matrix: Solid
Analysis Batch: 621572

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.020	U Q	0.020	0.0072	mg/L			06/08/20 17:07	20
1,2-Dichloroethane	0.020	U Q	0.020	0.010	mg/L			06/08/20 17:07	20
2-Butanone (MEK)	0.20	U Q	0.20	0.068	mg/L			06/08/20 17:07	20
Benzene	0.020	U Q	0.020	0.0086	mg/L			06/08/20 17:07	20
Carbon tetrachloride	0.020	U Q	0.020	0.0066	mg/L			06/08/20 17:07	20
Chlorobenzene	0.010	U Q	0.020	0.0052	mg/L			06/08/20 17:07	20
Chloroform	0.020	U Q	0.020	0.010	mg/L			06/08/20 17:07	20
Tetrachloroethene	0.020	U Q	0.020	0.015	mg/L			06/08/20 17:07	20
Trichloroethene	0.020	U Q	0.020	0.0096	mg/L			06/08/20 17:07	20
Vinyl chloride	0.020	U Q	0.020	0.010	mg/L			06/08/20 17:07	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 680-620680/1-A
Matrix: Solid
Analysis Batch: 621572

Client Sample ID: Method Blank
Prep Type: TCLP

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*	*Q*	*81 - 118*		*06/08/20 17:07*	*20*
4-Bromofluorobenzene (Surr)	*106*	*Q*	*85 - 114*		*06/08/20 17:07*	*20*
Dibromofluoromethane (Surr)	*97*	*Q*	*80 - 119*		*06/08/20 17:07*	*20*
Toluene-d8 (Surr)	*113*	*Q*	*89 - 112*		*06/08/20 17:07*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-621106/6-A
Matrix: Solid
Analysis Batch: 621611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621106

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0020	U	0.010	0.00054	mg/L		06/03/20 17:03	06/08/20 17:19	1
2,4-Dinitrotoluene	0.0020	U M	0.010	0.0012	mg/L		06/03/20 17:03	06/08/20 17:19	1
Hexachlorobenzene	0.0020	U	0.010	0.00080	mg/L		06/03/20 17:03	06/08/20 17:19	1
Hexachlorobutadiene	0.0020	U	0.010	0.00062	mg/L		06/03/20 17:03	06/08/20 17:19	1
Hexachloroethane	0.0020	U	0.010	0.00076	mg/L		06/03/20 17:03	06/08/20 17:19	1
2-Methylphenol	0.0020	U	0.010	0.00090	mg/L		06/03/20 17:03	06/08/20 17:19	1
3 & 4 Methylphenol	0.0020	U M	0.010	0.0013	mg/L		06/03/20 17:03	06/08/20 17:19	1
Nitrobenzene	0.0020	U	0.010	0.00074	mg/L		06/03/20 17:03	06/08/20 17:19	1
Pentachlorophenol	0.0040	U	0.050	0.0020	mg/L		06/03/20 17:03	06/08/20 17:19	1
Pyridine	0.0050	U M	0.050	0.0024	mg/L		06/03/20 17:03	06/08/20 17:19	1
2,4,5-Trichlorophenol	0.0020	U	0.010	0.0012	mg/L		06/03/20 17:03	06/08/20 17:19	1
2,4,6-Trichlorophenol	0.0020	U	0.010	0.00086	mg/L		06/03/20 17:03	06/08/20 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*72*		*19 - 119*	*06/03/20 17:03*	*06/08/20 17:19*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*06/03/20 17:03*	*06/08/20 17:19*	*1*
Phenol-d5 (Surr)	*74*		*27 - 110*	*06/03/20 17:03*	*06/08/20 17:19*	*1*
Terphenyl-d14 (Surr)	*94*		*50 - 134*	*06/03/20 17:03*	*06/08/20 17:19*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*43 - 140*	*06/03/20 17:03*	*06/08/20 17:19*	*1*

Lab Sample ID: LCS 680-621106/7-A
Matrix: Solid
Analysis Batch: 621611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.100	0.0644		mg/L		64	29 - 112
2,4-Dinitrotoluene	0.100	0.0924		mg/L		92	57 - 128
Hexachlorobenzene	0.100	0.0986		mg/L		99	53 - 125
Hexachlorobutadiene	0.100	0.0548		mg/L		55	22 - 124
Hexachloroethane	0.100	0.0611		mg/L		61	21 - 115
2-Methylphenol	0.100	0.0797		mg/L		80	30 - 117
3 & 4 Methylphenol	0.100	0.0811		mg/L		81	29 - 110
Nitrobenzene	0.100	0.0819		mg/L		82	45 - 121
Pentachlorophenol	0.200	0.172		mg/L		86	35 - 138
Pyridine	0.200	0.167		mg/L		84	10 - 130
2,4,5-Trichlorophenol	0.100	0.0865		mg/L		87	53 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-621106/7-A
Matrix: Solid
Analysis Batch: 621611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	0.100	0.0867		mg/L		87	50 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*68*		*19 - 119*
Nitrobenzene-d5 (Surr)	*74*		*44 - 120*
Phenol-d5 (Surr)	*74*		*27 - 110*
Terphenyl-d14 (Surr)	*91*		*50 - 134*
2,4,6-Tribromophenol (Surr)	*69*		*43 - 140*

Lab Sample ID: LB2 680-620651/8-G
Matrix: Solid
Analysis Batch: 621611

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 621106

Analyte	LB2 Result	LB2 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0099	U M	0.050	0.0027	mg/L		06/03/20 17:03	06/08/20 16:29	1
2,4-Dinitrotoluene	0.0099	U M	0.050	0.0060	mg/L		06/03/20 17:03	06/08/20 16:29	1
Hexachlorobenzene	0.0099	U	0.050	0.0040	mg/L		06/03/20 17:03	06/08/20 16:29	1
Hexachlorobutadiene	0.0099	U	0.050	0.0031	mg/L		06/03/20 17:03	06/08/20 16:29	1
Hexachloroethane	0.0099	U	0.050	0.0038	mg/L		06/03/20 17:03	06/08/20 16:29	1
2-Methylphenol	0.0099	U	0.050	0.0045	mg/L		06/03/20 17:03	06/08/20 16:29	1
3 & 4 Methylphenol	0.0099	U M	0.050	0.0065	mg/L		06/03/20 17:03	06/08/20 16:29	1
Nitrobenzene	0.0099	U	0.050	0.0037	mg/L		06/03/20 17:03	06/08/20 16:29	1
Pentachlorophenol	0.020	U	0.25	0.0099	mg/L		06/03/20 17:03	06/08/20 16:29	1
Pyridine	0.025	U	0.25	0.012	mg/L		06/03/20 17:03	06/08/20 16:29	1
2,4,5-Trichlorophenol	0.0099	U	0.050	0.0060	mg/L		06/03/20 17:03	06/08/20 16:29	1
2,4,6-Trichlorophenol	0.0099	U	0.050	0.0043	mg/L		06/03/20 17:03	06/08/20 16:29	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*70*		*19 - 119*	*06/03/20 17:03*	*06/08/20 16:29*	*1*
Nitrobenzene-d5 (Surr)	*68*		*44 - 120*	*06/03/20 17:03*	*06/08/20 16:29*	*1*
Phenol-d5 (Surr)	*68*		*27 - 110*	*06/03/20 17:03*	*06/08/20 16:29*	*1*
Terphenyl-d14 (Surr)	*93*		*50 - 134*	*06/03/20 17:03*	*06/08/20 16:29*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*43 - 140*	*06/03/20 17:03*	*06/08/20 16:29*	*1*

Lab Sample ID: 680-184333-3 MS
Matrix: Solid
Analysis Batch: 621611

Client Sample ID: WCQP-3
Prep Type: TCLP
Prep Batch: 621106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0099	U	0.498	0.301		mg/L		60	29 - 112
2,4-Dinitrotoluene	0.0099	U M	0.498	0.416	M	mg/L		84	57 - 128
Hexachlorobenzene	0.0099	U	0.498	0.469		mg/L		94	53 - 125
Hexachlorobutadiene	0.0099	U	0.498	0.254		mg/L		51	22 - 124
Hexachloroethane	0.0099	U	0.498	0.275		mg/L		55	21 - 115
2-Methylphenol	0.0099	U	0.498	0.357		mg/L		72	30 - 117
3 & 4 Methylphenol	0.0099	U	0.498	0.360		mg/L		72	29 - 110
Nitrobenzene	0.0099	U	0.498	0.379		mg/L		76	45 - 121
Pentachlorophenol	0.020	U	0.996	0.850		mg/L		85	35 - 138

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-184333-3 MS — **Client Sample ID: WCQP-3**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621611 — **Prep Batch: 621106**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	0.025	U Q M	0.996	0.784		mg/L		79	10 - 130
2,4,5-Trichlorophenol	0.0099	U	0.498	0.414		mg/L		83	53 - 123
2,4,6-Trichlorophenol	0.0099	U	0.498	0.395		mg/L		79	50 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*64*		*19 - 119*
Nitrobenzene-d5 (Surr)	*70*		*44 - 120*
Phenol-d5 (Surr)	*68*		*27 - 110*
Terphenyl-d14 (Surr)	*85*		*50 - 134*
2,4,6-Tribromophenol (Surr)	*65*		*43 - 140*

Lab Sample ID: 680-184333-3 MSD — **Client Sample ID: WCQP-3**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621611 — **Prep Batch: 621106**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0099	U	0.500	0.314		mg/L		63	29 - 112	4	20
2,4-Dinitrotoluene	0.0099	U M	0.500	0.424		mg/L		85	57 - 128	2	20
Hexachlorobenzene	0.0099	U	0.500	0.446		mg/L		89	53 - 125	5	20
Hexachlorobutadiene	0.0099	U	0.500	0.253		mg/L		51	22 - 124	0	20
Hexachloroethane	0.0099	U	0.500	0.293		mg/L		59	21 - 115	6	20
2-Methylphenol	0.0099	U	0.500	0.365		mg/L		73	30 - 117	2	20
3 & 4 Methylphenol	0.0099	U	0.500	0.363		mg/L		73	29 - 110	1	20
Nitrobenzene	0.0099	U	0.500	0.373		mg/L		75	45 - 121	2	20
Pentachlorophenol	0.020	U	1.00	0.836		mg/L		84	35 - 138	2	20
Pyridine	0.025	U Q M	1.00	0.761		mg/L		76	10 - 130	3	20
2,4,5-Trichlorophenol	0.0099	U	0.500	0.421		mg/L		84	53 - 123	2	20
2,4,6-Trichlorophenol	0.0099	U	0.500	0.414		mg/L		83	50 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*66*		*19 - 119*
Nitrobenzene-d5 (Surr)	*71*		*44 - 120*
Phenol-d5 (Surr)	*66*		*27 - 110*
Terphenyl-d14 (Surr)	*77*		*50 - 134*
2,4,6-Tribromophenol (Surr)	*64*		*43 - 140*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-620836/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	9.5	U	16	5.2	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1221	12	U	16	7.1	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1232	5.7	U	16	2.5	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1242	4.7	U	16	2.4	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1248	7.6	U	16	3.9	ug/Kg		06/02/20 11:00	06/05/20 18:07	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-620836/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	12	U	16	4.7	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1260	9.5	U	16	4.5	ug/Kg		06/02/20 11:00	06/05/20 18:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*44 - 129*	*06/02/20 11:00*	*06/05/20 18:07*	*1*
Tetrachloro-m-xylene	*65*		*42 - 129*	*06/02/20 11:00*	*06/05/20 18:07*	*1*

Lab Sample ID: LCS 680-620836/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	198	152	M	ug/Kg		77	47 - 134
PCB-1260	198	175	M	ug/Kg		88	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*44 - 129*
Tetrachloro-m-xylene	*73*	*M*	*42 - 129*

Lab Sample ID: 680-184333-3 MS — **Client Sample ID: WCQP-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	13	U	262	222		ug/Kg	☼	85	47 - 134
PCB-1260	13	U M	262	191		ug/Kg	☼	73	53 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*54*		*44 - 129*
Tetrachloro-m-xylene	*80*		*42 - 129*

Lab Sample ID: 680-184333-3 MSD — **Client Sample ID: WCQP-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	13	U	255	205		ug/Kg	☼	80	47 - 134	8	30
PCB-1260	13	U M	255	194		ug/Kg	☼	76	53 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*59*		*44 - 129*
Tetrachloro-m-xylene	*80*		*42 - 129*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-621105/6-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621643 — **Prep Batch: 621105**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.0000050	U	0.000025	0.0000027	mg/L		06/03/20 17:03	06/08/20 13:47	1
gamma-BHC (Lindane)	0.0000050	U	0.000025	0.0000018	mg/L		06/03/20 17:03	06/08/20 13:47	1
Heptachlor	0.0000088	U	0.000025	0.0000036	mg/L		06/03/20 17:03	06/08/20 13:47	1
Heptachlor epoxide	0.0000050	U	0.000025	0.0000019	mg/L		06/03/20 17:03	06/08/20 13:47	1
Methoxychlor	0.0000088	U	0.000025	0.0000049	mg/L		06/03/20 17:03	06/08/20 13:47	1
Chlordane (technical)	0.00015	U	0.00025	0.000048	mg/L		06/03/20 17:03	06/08/20 13:47	1
Toxaphene	0.00040	U	0.0025	0.00020	mg/L		06/03/20 17:03	06/08/20 13:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*14 - 130*	*06/03/20 17:03*	*06/08/20 13:47*	*1*
Tetrachloro-m-xylene	*74*		*44 - 124*	*06/03/20 17:03*	*06/08/20 13:47*	*1*

Lab Sample ID: LCS 680-621105/7-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621643 — **Prep Batch: 621105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.0000500	0.0000551		mg/L		110	60 - 138
gamma-BHC (Lindane)	0.0000500	0.0000549		mg/L		110	59 - 134
Heptachlor	0.0000500	0.0000448		mg/L		90	54 - 130
Heptachlor epoxide	0.0000500	0.0000527		mg/L		105	61 - 133
Methoxychlor	0.0000500	0.0000553		mg/L		111	54 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*14 - 130*
Tetrachloro-m-xylene	*95*		*44 - 124*

Lab Sample ID: LB2 680-620651/8-F — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621643 — **Prep Batch: 621105**

Analyte	LB2 Result	LB2 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.00025	U	0.0012	0.00013	mg/L		06/03/20 17:03	06/08/20 13:32	1
gamma-BHC (Lindane)	0.00025	U	0.0012	0.000090	mg/L		06/03/20 17:03	06/08/20 13:32	1
Heptachlor	0.00044	U	0.0012	0.00018	mg/L		06/03/20 17:03	06/08/20 13:32	1
Heptachlor epoxide	0.00025	U	0.0012	0.000095	mg/L		06/03/20 17:03	06/08/20 13:32	1
Methoxychlor	0.00044	U	0.0012	0.00024	mg/L		06/03/20 17:03	06/08/20 13:32	1
Chlordane (technical)	0.0075	U	0.012	0.0024	mg/L		06/03/20 17:03	06/08/20 13:32	1
Toxaphene	0.020	U	0.12	0.010	mg/L		06/03/20 17:03	06/08/20 13:32	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*14 - 130*	*06/03/20 17:03*	*06/08/20 13:32*	*1*
Tetrachloro-m-xylene	*83*		*44 - 124*	*06/03/20 17:03*	*06/08/20 13:32*	*1*

QC Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Method: 8151A DOD - Herbicides (GC)

Lab Sample ID: MB 680-621005/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621494 — **Prep Batch: 621005**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.000060	U M	0.00025	0.000019	mg/L		06/03/20 09:31	06/05/20 22:24	1
Silvex (2,4,5-TP)	0.000055	U M	0.00013	0.000031	mg/L		06/03/20 09:31	06/05/20 22:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*80*		*32 - 138*	*06/03/20 09:31*	*06/05/20 22:24*	*1*

Lab Sample ID: LCS 680-621005/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621494 — **Prep Batch: 621005**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	0.00100	0.000804	M	mg/L		80	45 - 152
Silvex (2,4,5-TP)	0.000250	0.000199	M	mg/L		80	51 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*100*	*M*	*32 - 138*

Lab Sample ID: LCSD 680-621005/9-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621494 — **Prep Batch: 621005**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D	0.00100	0.000803		mg/L		80	45 - 152	0	30
Silvex (2,4,5-TP)	0.000250	0.000190		mg/L		76	51 - 134	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid (Surr)	*82*		*32 - 138*

Lab Sample ID: LB2 680-620651/8-E — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621494 — **Prep Batch: 621005**

Analyte	LB2 Result	LB2 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.0056	U M	0.023	0.0017	mg/L		06/03/20 09:31	06/05/20 22:04	1
Silvex (2,4,5-TP)	0.0052	U M	0.012	0.0029	mg/L		06/03/20 09:31	06/05/20 22:04	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid (Surr)	*68*		*32 - 138*	*06/03/20 09:31*	*06/05/20 22:04*	*1*

QC Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-620880/1-A
Matrix: Solid
Analysis Batch: 621119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620880

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0015	U	0.010	0.00060	mg/L		06/02/20 13:12	06/03/20 12:05	1
Arsenic	0.015	U	0.020	0.0062	mg/L		06/02/20 13:12	06/03/20 12:05	1
Barium	0.00321	J	0.10	0.0017	mg/L		06/02/20 13:12	06/03/20 12:05	1
Cadmium	0.0030	U	0.010	0.0010	mg/L		06/02/20 13:12	06/03/20 12:05	1
Chromium	0.0040	U	0.020	0.0016	mg/L		06/02/20 13:12	06/03/20 12:05	1
Lead	0.010	U	0.020	0.0039	mg/L		06/02/20 13:12	06/03/20 12:05	1
Selenium	0.020	U	0.050	0.0099	mg/L		06/02/20 13:12	06/03/20 12:05	1

Lab Sample ID: LCS 680-620880/2-A
Matrix: Solid
Analysis Batch: 621119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	1.00	1.00		mg/L		100	84 - 115
Arsenic	2.00	2.00		mg/L		100	87 - 113
Barium	2.00	2.06		mg/L		103	88 - 113
Cadmium	1.00	1.08		mg/L		108	88 - 113
Chromium	2.00	1.96		mg/L		98	90 - 113
Lead	9.08	8.53		mg/L		94	86 - 113
Selenium	2.01	2.06		mg/L		103	83 - 114

Lab Sample ID: LB 680-620651/1-C
Matrix: Solid
Analysis Batch: 621119

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 620880

Analyte	LB Result	LB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	U	0.10	0.0060	mg/L		06/02/20 13:12	06/03/20 12:23	1
Arsenic	0.15	U	0.20	0.062	mg/L		06/02/20 13:12	06/03/20 12:23	1
Barium	0.0703	J	1.0	0.017	mg/L		06/02/20 13:12	06/03/20 12:23	1
Cadmium	0.030	U	0.10	0.010	mg/L		06/02/20 13:12	06/03/20 12:23	1
Chromium	0.040	U	0.20	0.016	mg/L		06/02/20 13:12	06/03/20 12:23	1
Lead	0.0423	J	0.20	0.039	mg/L		06/02/20 13:12	06/03/20 12:23	1
Selenium	0.20	U	0.50	0.099	mg/L		06/02/20 13:12	06/03/20 12:23	1

Lab Sample ID: LB2 680-620651/8-C
Matrix: Solid
Analysis Batch: 621143

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 620880

Analyte	LB2 Result	LB2 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.015	U	0.10	0.0060	mg/L		06/02/20 13:12	06/03/20 16:26	1
Arsenic	0.15	U	0.20	0.062	mg/L		06/02/20 13:12	06/03/20 16:26	1
Barium	0.0968	J	1.0	0.017	mg/L		06/02/20 13:12	06/03/20 16:26	1
Cadmium	0.030	U	0.10	0.010	mg/L		06/02/20 13:12	06/03/20 16:26	1
Chromium	0.040	U	0.20	0.016	mg/L		06/02/20 13:12	06/03/20 16:26	1
Lead	0.10	U	0.20	0.039	mg/L		06/02/20 13:12	06/03/20 16:26	1
Selenium	0.20	U	0.50	0.099	mg/L		06/02/20 13:12	06/03/20 16:26	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-620883/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621127 — **Prep Batch: 620883**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.00020	U	0.00020	0.000080	mg/L		06/02/20 13:20	06/03/20 11:47	1

Lab Sample ID: LCS 680-620883/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621127 — **Prep Batch: 620883**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.250	0.250		mg/L		100	80 - 124

Lab Sample ID: LB 680-620651/1-D — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621127 — **Prep Batch: 620883**

Analyte	LB Result	LB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0080	mg/L		06/02/20 13:37	06/03/20 11:55	1

Lab Sample ID: LB2 680-620651/8-D — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 621127 — **Prep Batch: 620883**

Analyte	LB2 Result	LB2 Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0080	mg/L		06/02/20 13:37	06/03/20 12:36	1

Method: 1030 - Ignitability, Solids

Lab Sample ID: MB 680-620418/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620418

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	NB				mm/sec			05/29/20 11:33	1

Lab Sample ID: LCS 680-620418/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ignitability	2.69	2.685		mm/sec		100	75 - 125

Lab Sample ID: LCSD 680-620418/10 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 620418

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ignitability	2.69	2.691		mm/sec		100	75 - 125	0	10

QC Association Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

GC/MS VOA

Leach Batch: 620680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	1311	
680-184333-2	WCQP-2	TCLP	Solid	1311	
680-184333-3	WCQP-3	TCLP	Solid	1311	
LB 680-620680/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 620830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	8260B	620914
680-184333-2	WCQP-2	Total/NA	Solid	8260B	620914
680-184333-3	WCQP-3	Total/NA	Solid	8260B	620914
MB 680-620830/9	Method Blank	Total/NA	Solid	8260B	
LCS 680-620830/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-620830/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 620914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	5030B	
680-184333-2	WCQP-2	Total/NA	Solid	5030B	
680-184333-3	WCQP-3	Total/NA	Solid	5030B	

Analysis Batch: 621572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	8260B	620680
680-184333-2	WCQP-2	TCLP	Solid	8260B	620680
680-184333-3	WCQP-3	TCLP	Solid	8260B	620680
LB 680-620680/1-A	Method Blank	TCLP	Solid	8260B	620680
MB 680-621572/8	Method Blank	Total/NA	Solid	8260B	
LCS 680-621572/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-621572/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 620651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	1311	
680-184333-2	WCQP-2	TCLP	Solid	1311	
680-184333-3	WCQP-3	TCLP	Solid	1311	
LB2 680-620651/8-G	Method Blank	TCLP	Solid	1311	
680-184333-3 MS	WCQP-3	TCLP	Solid	1311	
680-184333-3 MSD	WCQP-3	TCLP	Solid	1311	

Prep Batch: 621106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	3520C	620651
680-184333-2	WCQP-2	TCLP	Solid	3520C	620651
680-184333-3	WCQP-3	TCLP	Solid	3520C	620651
LB2 680-620651/8-G	Method Blank	TCLP	Solid	3520C	620651
MB 680-621106/6-A	Method Blank	Total/NA	Solid	3520C	
LCS 680-621106/7-A	Lab Control Sample	Total/NA	Solid	3520C	
680-184333-3 MS	WCQP-3	TCLP	Solid	3520C	620651
680-184333-3 MSD	WCQP-3	TCLP	Solid	3520C	620651

QC Association Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

GC/MS Semi VOA

Analysis Batch: 621611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB2 680-620651/8-G	Method Blank	TCLP	Solid	8270D	621106
MB 680-621106/6-A	Method Blank	Total/NA	Solid	8270D	621106
LCS 680-621106/7-A	Lab Control Sample	Total/NA	Solid	8270D	621106
680-184333-3 MS	WCQP-3	TCLP	Solid	8270D	621106
680-184333-3 MSD	WCQP-3	TCLP	Solid	8270D	621106

Analysis Batch: 621638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	8270D	621106
680-184333-2	WCQP-2	TCLP	Solid	8270D	621106
680-184333-3	WCQP-3	TCLP	Solid	8270D	621106

GC Semi VOA

Leach Batch: 620651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	1311	
680-184333-2	WCQP-2	TCLP	Solid	1311	
680-184333-3	WCQP-3	TCLP	Solid	1311	
LB2 680-620651/8-E	Method Blank	TCLP	Solid	1311	
LB2 680-620651/8-F	Method Blank	TCLP	Solid	1311	

Prep Batch: 620836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	3546	
680-184333-2	WCQP-2	Total/NA	Solid	3546	
680-184333-3	WCQP-3	Total/NA	Solid	3546	
MB 680-620836/5-A	Method Blank	Total/NA	Solid	3546	
LCS 680-620836/9-A	Lab Control Sample	Total/NA	Solid	3546	
680-184333-3 MS	WCQP-3	Total/NA	Solid	3546	
680-184333-3 MSD	WCQP-3	Total/NA	Solid	3546	

Prep Batch: 621005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	8151A	620651
680-184333-2	WCQP-2	TCLP	Solid	8151A	620651
680-184333-3	WCQP-3	TCLP	Solid	8151A	620651
LB2 680-620651/8-E	Method Blank	TCLP	Solid	8151A	620651
MB 680-621005/7-A	Method Blank	Total/NA	Solid	8151A	
LCS 680-621005/8-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 680-621005/9-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Prep Batch: 621105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	3520C	620651
680-184333-2	WCQP-2	TCLP	Solid	3520C	620651
680-184333-3	WCQP-3	TCLP	Solid	3520C	620651
LB2 680-620651/8-F	Method Blank	TCLP	Solid	3520C	620651
MB 680-621105/6-A	Method Blank	Total/NA	Solid	3520C	
LCS 680-621105/7-A	Lab Control Sample	Total/NA	Solid	3520C	

QC Association Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

GC Semi VOA

Analysis Batch: 621430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	8081B 8082A	620836
680-184333-2	WCQP-2	Total/NA	Solid	8081B 8082A	620836
680-184333-3	WCQP-3	Total/NA	Solid	8081B 8082A	620836
MB 680-620836/5-A	Method Blank	Total/NA	Solid	8081B 8082A	620836
LCS 680-620836/9-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	620836
680-184333-3 MS	WCQP-3	Total/NA	Solid	8081B 8082A	620836
680-184333-3 MSD	WCQP-3	Total/NA	Solid	8081B 8082A	620836

Analysis Batch: 621494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	8151A DOD	621005
680-184333-2	WCQP-2	TCLP	Solid	8151A DOD	621005
680-184333-3	WCQP-3	TCLP	Solid	8151A DOD	621005
LB2 680-620651/8-E	Method Blank	TCLP	Solid	8151A DOD	621005
MB 680-621005/7-A	Method Blank	Total/NA	Solid	8151A DOD	621005
LCS 680-621005/8-A	Lab Control Sample	Total/NA	Solid	8151A DOD	621005
LCSD 680-621005/9-A	Lab Control Sample Dup	Total/NA	Solid	8151A DOD	621005

Analysis Batch: 621643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	8081B 8082A	621105
680-184333-2	WCQP-2	TCLP	Solid	8081B 8082A	621105
680-184333-3	WCQP-3	TCLP	Solid	8081B 8082A	621105
LB2 680-620651/8-F	Method Blank	TCLP	Solid	8081B 8082A	621105
MB 680-621105/6-A	Method Blank	Total/NA	Solid	8081B 8082A	621105
LCS 680-621105/7-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	621105

Metals

Leach Batch: 620651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	1311	
680-184333-1	WCQP-1	TCLP	Solid	1311	
680-184333-2	WCQP-2	TCLP	Solid	1311	
680-184333-2	WCQP-2	TCLP	Solid	1311	
680-184333-3	WCQP-3	TCLP	Solid	1311	
680-184333-3	WCQP-3	TCLP	Solid	1311	
LB 680-620651/1-C	Method Blank	TCLP	Solid	1311	
LB 680-620651/1-D	Method Blank	TCLP	Solid	1311	
LB2 680-620651/8-C	Method Blank	TCLP	Solid	1311	
LB2 680-620651/8-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 620880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	3010A	620651
680-184333-2	WCQP-2	TCLP	Solid	3010A	620651
680-184333-3	WCQP-3	TCLP	Solid	3010A	620651
LB 680-620651/1-C	Method Blank	TCLP	Solid	3010A	620651
LB2 680-620651/8-C	Method Blank	TCLP	Solid	3010A	620651
MB 680-620880/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 680-620880/2-A	Lab Control Sample	Total/NA	Solid	3010A	

QC Association Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Metals

Prep Batch: 620883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	7470A	620651
680-184333-2	WCQP-2	TCLP	Solid	7470A	620651
680-184333-3	WCQP-3	TCLP	Solid	7470A	620651
LB 680-620651/1-D	Method Blank	TCLP	Solid	7470A	620651
LB2 680-620651/8-D	Method Blank	TCLP	Solid	7470A	620651
MB 680-620883/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 680-620883/13-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 621119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 680-620651/1-C	Method Blank	TCLP	Solid	6010C	620880
MB 680-620880/1-A	Method Blank	Total/NA	Solid	6010C	620880
LCS 680-620880/2-A	Lab Control Sample	Total/NA	Solid	6010C	620880

Analysis Batch: 621127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	7470A	620883
680-184333-2	WCQP-2	TCLP	Solid	7470A	620883
680-184333-3	WCQP-3	TCLP	Solid	7470A	620883
LB 680-620651/1-D	Method Blank	TCLP	Solid	7470A	620883
LB2 680-620651/8-D	Method Blank	TCLP	Solid	7470A	620883
MB 680-620883/12-A	Method Blank	Total/NA	Solid	7470A	620883
LCS 680-620883/13-A	Lab Control Sample	Total/NA	Solid	7470A	620883

Analysis Batch: 621143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	TCLP	Solid	6010C	620880
680-184333-2	WCQP-2	TCLP	Solid	6010C	620880
680-184333-3	WCQP-3	TCLP	Solid	6010C	620880
LB2 680-620651/8-C	Method Blank	TCLP	Solid	6010C	620880

General Chemistry

Analysis Batch: 620352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	Moisture	
680-184333-2	WCQP-2	Total/NA	Solid	Moisture	
680-184333-3	WCQP-3	Total/NA	Solid	Moisture	

Analysis Batch: 620418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184333-1	WCQP-1	Total/NA	Solid	1030	
680-184333-2	WCQP-2	Total/NA	Solid	1030	
680-184333-3	WCQP-3	Total/NA	Solid	1030	
MB 680-620418/1	Method Blank	Total/NA	Solid	1030	
LCS 680-620418/2	Lab Control Sample	Total/NA	Solid	1030	
LCSD 680-620418/10	Lab Control Sample Dup	Total/NA	Solid	1030	

Client Sample ID: WCQP-1 — Lab Sample ID: 680-184333-1

Date Collected: 05/20/20 12:10 — **Matrix: Solid**
Date Received: 05/28/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.00 g	500 mL	620680	06/01/20 12:54	JEB	TAL SAV
TCLP	Analysis	8260B		20	5 mL	5 mL	621572	06/08/20 18:17	P1C	TAL SAV
	Instrument ID:	CMSB								
TCLP	Leach	1311			100.02 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			202.2 mL	1 mL	621106	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8270D		1			621638	06/09/20 00:37	T1C	TAL SAV
	Instrument ID:	CMST								
TCLP	Leach	1311			100.02 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			20.6 mL	5 mL	621105	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8081B 8082A		1			621643	06/08/20 15:13	JCK	TAL SAV
	Instrument ID:	CSGJ								
TCLP	Leach	1311			100.02 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	8151A			10.37 mL	5 mL	621005	06/03/20 09:31	CMJ	TAL SAV
TCLP	Analysis	8151A DOD		1			621494	06/06/20 00:40	JCK	TAL SAV
	Instrument ID:	CSGS								
TCLP	Leach	1311			100.02 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3010A			5 mL	50 mL	620880	06/02/20 13:12	AJR	TAL SAV
TCLP	Analysis	6010C		1			621143	06/03/20 16:34	BCB	TAL SAV
	Instrument ID:	ICPE								
TCLP	Leach	1311			100.02 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	7470A			0.5 mL	50 mL	620883	06/02/20 13:39	JKL	TAL SAV
TCLP	Analysis	7470A		1			621127	06/03/20 15:39	BCB	TAL SAV
	Instrument ID:	LEEMAN2								
Total/NA	Analysis	1030		1			620418	05/29/20 11:33	SM	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Moisture		1			620352	05/29/20 08:05	JEB	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: WCQP-1 — Lab Sample ID: 680-184333-1

Date Collected: 05/20/20 12:10 — **Matrix: Solid**
Date Received: 05/28/20 11:00 — **Percent Solids: 72.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			3.91 g	5 mL	620914	06/02/20 14:50	DS	TAL SAV
Total/NA	Analysis	8260B		1	5 g	5 g	620830	06/02/20 18:19	EMA	TAL SAV
	Instrument ID:	CMSS								
Total/NA	Prep	3546			15.19 g	5 mL	620836	06/02/20 11:00	CH	TAL SAV
Total/NA	Analysis	8081B 8082A		1			621430	06/05/20 20:01	JCK	TAL SAV
	Instrument ID:	CSGAA								

Lab Chronicle

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Client Sample ID: WCQP-2

Lab Sample ID: 680-184333-2

Date Collected: 05/20/20 12:15

Matrix: Solid

Date Received: 05/28/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.00 g	500 mL	620680	06/01/20 12:54	JEB	TAL SAV
TCLP	Analysis	8260B		20	5 mL	5 mL	621572	06/08/20 18:40	P1C	TAL SAV
	Instrument ID:	CMSB								
TCLP	Leach	1311			100.01 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			200.7 mL	1 mL	621106	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8270D		1			621638	06/09/20 00:59	T1C	TAL SAV
	Instrument ID:	CMST								
TCLP	Leach	1311			100.01 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			21.3 mL	5 mL	621105	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8081B 8082A		1			621643	06/08/20 15:27	JCK	TAL SAV
	Instrument ID:	CSGJ								
TCLP	Leach	1311			100.01 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	8151A			10.56 mL	5 mL	621005	06/03/20 09:31	CMJ	TAL SAV
TCLP	Analysis	8151A DOD		1			621494	06/06/20 01:00	JCK	TAL SAV
	Instrument ID:	CSGS								
TCLP	Leach	1311			100.01 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3010A			5 mL	50 mL	620880	06/02/20 13:12	AJR	TAL SAV
TCLP	Analysis	6010C		1			621143	06/03/20 16:38	BCB	TAL SAV
	Instrument ID:	ICPE								
TCLP	Leach	1311			100.01 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	7470A			0.5 mL	50 mL	620883	06/02/20 13:39	JKL	TAL SAV
TCLP	Analysis	7470A		1			621127	06/03/20 15:43	BCB	TAL SAV
	Instrument ID:	LEEMAN2								
Total/NA	Analysis	1030		1			620418	05/29/20 11:33	SM	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Moisture		1			620352	05/29/20 08:05	JEB	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: WCQP-2

Lab Sample ID: 680-184333-2

Date Collected: 05/20/20 12:15

Matrix: Solid

Date Received: 05/28/20 11:00

Percent Solids: 63.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			3.64 g	5 mL	620914	06/02/20 14:50	DS	TAL SAV
Total/NA	Analysis	8260B		1	5 g	5 g	620830	06/02/20 18:41	EMA	TAL SAV
	Instrument ID:	CMSS								
Total/NA	Prep	3546			15.50 g	5 mL	620836	06/02/20 11:00	CH	TAL SAV
Total/NA	Analysis	8081B 8082A		1			621430	06/05/20 20:15	JCK	TAL SAV
	Instrument ID:	CSGAA								

Lab Chronicle

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Client Sample ID: WCQP-3

Lab Sample ID: 680-184333-3

Date Collected: 05/20/20 12:20

Matrix: Solid

Date Received: 05/28/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.01 g	500 mL	620680	06/01/20 12:54	JEB	TAL SAV
TCLP	Analysis	8260B		20	5 mL	5 mL	621572	06/08/20 19:03	P1C	TAL SAV
	Instrument ID:	CMSB								
TCLP	Leach	1311			100.00 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			201.7 mL	1 mL	621106	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8270D		1			621638	06/09/20 01:21	T1C	TAL SAV
	Instrument ID:	CMST								
TCLP	Leach	1311			100.00 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3520C			20.8 mL	5 mL	621105	06/03/20 17:03	EHS	TAL SAV
TCLP	Analysis	8081B 8082A		1			621643	06/08/20 15:41	JCK	TAL SAV
	Instrument ID:	CSGJ								
TCLP	Leach	1311			100.00 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	8151A			10.28 mL	5 mL	621005	06/03/20 09:31	CMJ	TAL SAV
TCLP	Analysis	8151A DOD		1			621494	06/06/20 01:19	JCK	TAL SAV
	Instrument ID:	CSGS								
TCLP	Leach	1311			100.00 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	3010A			5 mL	50 mL	620880	06/02/20 13:12	AJR	TAL SAV
TCLP	Analysis	6010C		1			621143	06/03/20 16:42	BCB	TAL SAV
	Instrument ID:	ICPE								
TCLP	Leach	1311			100.00 g	2000 mL	620651	06/01/20 12:54	JEB	TAL SAV
TCLP	Prep	7470A			0.5 mL	50 mL	620883	06/02/20 13:39	JKL	TAL SAV
TCLP	Analysis	7470A		1			621127	06/03/20 15:47	BCB	TAL SAV
	Instrument ID:	LEEMAN2								
Total/NA	Analysis	1030		1			620418	05/29/20 11:33	SM	TAL SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Moisture		1			620352	05/29/20 08:05	JEB	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: WCQP-3

Lab Sample ID: 680-184333-3

Date Collected: 05/20/20 12:20

Matrix: Solid

Date Received: 05/28/20 11:00

Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			3.64 g	5 mL	620914	06/02/20 14:50	DS	TAL SAV
Total/NA	Analysis	8260B		1	5 g	5 g	620830	06/02/20 19:02	EMA	TAL SAV
	Instrument ID:	CMSS								
Total/NA	Prep	3546			15.41 g	5 mL	620836	06/02/20 11:00	CH	TAL SAV
Total/NA	Analysis	8081B 8082A		1			621430	06/05/20 20:30	JCK	TAL SAV
	Instrument ID:	CSGAA								

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: PARS Environmental Inc
Job ID: 680-184333-1
Project/Site: Camp Ravenna

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2463	09-22-22

Method Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184333-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8151A DOD	Herbicides (GC)	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
1030	Ignitability, Solids	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV
1311	TCLP Extraction	SW846	TAL SAV
3010A	Preparation, Total Metals	SW846	TAL SAV
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
3546	Microwave Extraction	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV
8151A	Extraction (Herbicides)	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record 447245

eurofins | Environment Testing TestAmerica

Address:

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Cody Postlethwait	Site Contact:	Date:	COC No:
Company Name: PARS Environmental	Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs
Address: 500 Horizon Drive	Analysis Turnaround Time			Sampler:
City/State/Zip: Robbinsville NJ	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 609-890-7277	TAT if different from Below 5 day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Camp Ravenna	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# 895-35	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Full TCLP	PCBs	VOCs	Flashpoint	Sample Specific Notes:
WCQP-1	5/20/20	1210	C	Soil	8			X	X	X	X	
WCQP-2	5/20/20	1215	C	Soil	8			X	X	X	X	
WCQP-3	5/20/20	1220	C	Soil	8			X	X	X	X	

680-184333 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 5.1 | 1.6 (CF) 5.5 | 2.0°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Cody Pratt	PARS		[illegible]	ETA	5/21/20 12:05
[illegible]	ETA	5/21/20 1630	Sarah D	ETA	5/22/20 1630
	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	ETA Edi	5/22/20 1800	[illegible]	05-28-20	1100

No CS In # 11-2.6

Login Sample Receipt Checklist

Client: PARS Environmental Inc

Job Number: 680-184333-1

Login Number: 184333

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

Backfill Analytical Report (J184331-1)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-184331-1
Client Project/Site: Camp Ravenna

For:
PARS Environmental Inc
500 Horizon Drive
Suite 540
Robbinsville, New Jersey 08691

Attn: Cody Postlethwait

Kathryn Smith

Authorized for release by:
6/18/2020 11:34:54 AM

Kathryn Smith, Client Service Manager
(912)250-0275
kathy.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

GC Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Metals

Qualifier	Qualifier Description
B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
U	Undetected at the Limit of Detection.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-184331-1	BF-200520	Solid	05/20/20 13:30	05/28/20 11:00	

Job ID: 680-184331-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE
Client: PARS Environmental Inc
Project: Camp Ravenna

Report Number: 680-184331-1

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

RECEIPT
The samples were received on 05/28/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 C.

VOLATILE ORGANIC COMPOUNDS
Sample BF-200520 (680-184331-1) was analyzed for Volatile Organic Compounds in accordance with EPA SW-846 8260B. The samples were analyzed on 06/02/2020.

Surrogate and Internal standard (ISTD) response recoveries for the following sample was outside control limits: BF-200520 (680-184331-1). Re-extraction and/or re-analysis was performed and recoveries were outside control limits. The original set of data has been reported.

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

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample BF-200520 (680-184331-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared and analyzed on 06/03/2020.

Surrogate recovery for the following sample was outside control limits: BF-200520 (680-184331-1). Re-extraction and/or re-analysis was performed outside of holding time and surrogate recovery concurred with original set of data. The original set of data has been reported.

Several analytes recovered low for the MS/MSD of sample BF-200520 (680-184331-1) in batch 680-621055. Several analytes exceeded the RPD limit.

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

PESTICIDES AND PCBS
Sample BF-200520 (680-184331-1) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 8081B/8082A. The samples were prepared on 06/02/2020 and analyzed on 06/05/2020.

4,4'-DDT and Methoxychlor recovered low for the MS/MSD of sample BF-200520MSD (680-184331-1) in batch 680-621430.

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

NITROGUANIDINE (HPLC)
Sample BF-200520 (680-184331-1) was analyzed for Nitroguanidine (HPLC) in accordance with EPA SW-846 Method 8330B. The samples were prepared on 06/02/2020 and analyzed on 06/05/2020.

The laboratory control sample (LCS) for preparation batch 320-382486 and analytical batch 320-383739 recovered outside control limits for the following analytes: Nitroguanidine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Job ID: 680-184331-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Nitroguanidine recovered low for the MS/MSD of sample BF-200520 (680-184331-1) in batch 320-383739.

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

EXPLOSIVES
Sample BF-200520 (680-184331-1) was analyzed for explosives in accordance with EPA SW-846 8330B. The samples were prepared on 06/04/2020 and analyzed on 06/09/2020 and 06/10/2020.

The following sample was extracted outside of analytical holding time. BF-200520 (680-184331-1).

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

METALS (ICP)
Sample BF-200520 (680-184331-1) was analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 05/29/2020.

Chromium and Potassium were detected in method blank MB 680-620359/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

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

MERCURY
Sample BF-200520 (680-184331-1) was analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 06/03/2020 and analyzed on 06/04/2020.

Mercury recovered low for the MS/MSD of sample BF-200520 (680-184331-1) in batch 680-621284.

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

NITROCELLULOSE
Sample BF-200520 (680-184331-1) was analyzed for Nitrocellulose in accordance with EPA Method 353.2. The samples were prepared on 06/10/2020 and analyzed on 06/11/2020.

Nitrocellulose was detected in method blank MB 320-384890/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Nitrocellulose recovered low for the MS/MSD of sample BF-200520 (680-184331-1) in batch 320-385604.

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

CORROSIVITY (PH)
Sample BF-200520 (680-184331-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 06/04/2020.

This analysis is considered a field test and is to be performed within 15 minutes of collection. This analysis was performed in the laboratory outside the 15 minute timeframe.

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

PERCENT SOLIDS/MOISTURE
Sample BF-200520 (680-184331-1) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 05/29/2020.

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

Client Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

Client Sample ID: BF-200520

Date Collected: 05/20/20 13:30
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184331-1

Matrix: Solid
Percent Solids: 70.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	6.1	U Q	6.1	2.9	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1,1-Trichloroethane	1.8	U	6.1	0.72	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1,2,2-Tetrachloroethane	3.7	U Q	6.1	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1,2-Trichloroethane	3.7	U	6.1	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1-Dichloroethane	3.7	U	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1-Dichloroethene	3.7	U	6.1	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,1-Dichloropropene	1.8	U	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,2,3-Trichlorobenzene	3.7	U Q	6.1	2.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,2,4-Trimethylbenzene	3.7	U Q	6.1	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,2-Dichloroethane	3.7	U M	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,2-Dichloroethene, Total	1.8	U	12	0.77	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,2-Dichloropropane	1.8	U	6.1	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,3,5-Trimethylbenzene	6.1	U Q	6.1	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
1,3-Dichloropropane	6.1	U Q	6.1	2.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
2,2-Dichloropropane	3.7	U	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
2-Butanone (MEK)	9.2	U	31	2.9	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
2-Chlorotoluene	6.1	U Q	6.1	2.5	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
2-Hexanone	9.2	U	31	4.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
4-Chlorotoluene	6.1	U Q	6.1	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
4-Isopropyltoluene	6.1	U Q	6.1	2.7	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
4-Methyl-2-pentanone (MIBK)	9.2	U	31	5.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Acetone	31	U	61	13	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Benzene	1.8	U	6.1	0.90	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Bromobenzene	6.1	U Q	6.1	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Bromoform	3.7	U Q	6.1	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Bromomethane	3.7	U	6.1	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Carbon disulfide	3.7	U	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Carbon tetrachloride	1.8	U	6.1	1.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chlorobenzene	1.8	U Q	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chlorobromomethane	6.1	U	6.1	4.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chlorodibromomethane	6.1	U	6.1	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chloroethane	6.1	U	6.1	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chloroform	3.7	U	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Chloromethane	3.7	U	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
cis-1,2-Dichloroethene	3.7	U	6.1	1.7	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
cis-1,3-Dichloropropene	1.8	U	6.1	1.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Dibromomethane	6.1	U	6.1	2.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Dichlorobromomethane	1.8	U	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Dichlorodifluoromethane	1.8	U	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Ethylbenzene	6.1	U Q	6.1	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Isopropylbenzene	6.1	U Q	6.1	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Methyl tert-butyl ether	3.7	U	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Methylene Chloride	**4.5**	**J**	6.1	1.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
m-Xylene & p-Xylene	6.1	U Q	6.1	3.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
n-Butylbenzene	6.1	U Q	6.1	2.9	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
N-Propylbenzene	6.1	U Q	6.1	3.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
o-Xylene	3.7	U Q	6.1	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
sec-Butylbenzene	6.1	U Q	6.1	2.6	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Styrene	1.8	U Q	6.1	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1

Client Sample ID: BF-200520

Date Collected: 05/20/20 13:30
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184331-1

Matrix: Solid
Percent Solids: 70.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	6.1	U Q	6.1	2.2	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Tetrachloroethene	6.1	U	6.1	2.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Toluene	1.8	U	6.1	1.0	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
trans-1,2-Dichloroethene	1.8	U	6.1	0.77	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
trans-1,3-Dichloropropene	1.8	U Q	6.1	1.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Trichloroethene	3.7	U	6.1	1.6	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Trichlorofluoromethane	3.7	U	6.1	1.5	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Vinyl acetate	7.4	U	12	3.1	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Vinyl chloride	3.7	U	6.1	1.8	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1
Xylenes, Total	3.7	U	12	1.3	ug/Kg	☼	06/02/20 14:50	06/02/20 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*71 - 138*	*06/02/20 14:50*	*06/02/20 17:58*	*1*
4-Bromofluorobenzene (Surr)	*125*	*Q*	*79 - 119*	*06/02/20 14:50*	*06/02/20 17:58*	*1*
Dibromofluoromethane (Surr)	*123*	*Q*	*78 - 119*	*06/02/20 14:50*	*06/02/20 17:58*	*1*
Toluene-d8 (Surr)	*155*	*Q*	*85 - 116*	*06/02/20 14:50*	*06/02/20 17:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	91	U Q	450	56	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Acenaphthylene	91	U Q	450	49	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Acetophenone	91	U	450	38	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Anthracene	91	U M Q	450	34	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Atrazine	91	U	450	31	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzaldehyde	**300**	**J**	450	79	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzo[a]anthracene	91	U M Q J1	450	37	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzo[a]pyrene	110	U M Q J1	450	71	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzo[b]fluoranthene	91	U Q J1	450	52	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzo[g,h,i]perylene	91	U Q J1	450	30	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Benzo[k]fluoranthene	230	U Q J1	450	88	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
1,1'-Biphenyl	2300	U M	2300	2300	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Bis(2-chloroethoxy)methane	91	U	450	53	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Bis(2-chloroethyl)ether	110	U	450	61	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
bis (2-chloroisopropyl) ether	91	U	450	41	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Bis(2-ethylhexyl) phthalate	**97**	**J**	450	39	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Bromophenyl phenyl ether	91	U	450	49	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Butyl benzyl phthalate	91	U Q	450	35	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Caprolactam	230	U M	450	90	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Carbazole	91	U M	450	41	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Chloroaniline	110	U J1	900	71	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Chloro-3-methylphenol	91	U	450	48	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Chloronaphthalene	91	U	450	48	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Chlorophenol	91	U	450	54	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Chlorophenyl phenyl ether	91	U	450	60	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Chrysene	91	U Q J1	450	29	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Dibenz(a,h)anthracene	91	U J1	450	53	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Dibenzofuran	91	U M	450	45	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
3,3'-Dichlorobenzidine	91	U Q	900	38	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,4-Dichlorophenol	91	U	450	48	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Diethyl phthalate	91	U	450	50	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1

Client Sample ID: BF-200520

Date Collected: 05/20/20 13:30
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184331-1

Matrix: Solid
Percent Solids: 70.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	91	U	450	60	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Dimethyl phthalate	91	U	450	46	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Di-n-butyl phthalate	91	U M	450	41	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4,6-Dinitro-2-methylphenol	450	U M	2300	230	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,4-Dinitrophenol	1800	U M	2300	1100	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,6-Dinitrotoluene	91	U	450	57	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,4-Dinitrotoluene	110	U	450	67	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Di-n-octyl phthalate	91	U M Q	450	39	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Fluoranthene	91	U Q	450	43	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Fluorene	91	U M Q	450	49	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Hexachlorobenzene	91	U Q	450	53	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Hexachlorobutadiene	91	U	450	49	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Hexachlorocyclopentadiene	91	U	450	56	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Hexachloroethane	91	U	450	38	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Indeno[1,2,3-cd]pyrene	91	U Q J1	450	38	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Isophorone	91	U	450	45	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Methylnaphthalene	91	U M	450	52	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Methylphenol	91	U M	450	37	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
3 & 4 Methylphenol	91	U M	450	58	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Naphthalene	91	U Q	450	41	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Nitroaniline	230	U M	2300	61	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
3-Nitroaniline	110	U	2300	62	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Nitroaniline	110	U	2300	67	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Nitrobenzene	91	U	450	35	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2-Nitrophenol	91	U	450	56	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
4-Nitrophenol	910	U	2300	450	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
N-Nitrosodi-n-propylamine	91	U	450	43	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
N-Nitrosodiphenylamine	91	U	450	45	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Pentachlorophenol	910	U	2300	450	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Phenanthrene	91	U Q	450	37	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Phenol	91	U M	450	46	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
Pyrene	91	U M Q	450	37	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,4,6-Trichlorophenol	91	U	450	39	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1
2,4,5-Trichlorophenol	91	U	450	48	ug/Kg	☼	06/03/20 09:14	06/03/20 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*37 - 122*	*06/03/20 09:14*	*06/03/20 20:49*	*1*
2-Fluorobiphenyl (Surr)	*71*		*44 - 115*	*06/03/20 09:14*	*06/03/20 20:49*	*1*
Terphenyl-d14 (Surr)	*47*	*Q*	*54 - 127*	*06/03/20 09:14*	*06/03/20 20:49*	*1*
Phenol-d5 (Surr)	*73*		*33 - 122*	*06/03/20 09:14*	*06/03/20 20:49*	*1*
2-Fluorophenol (Surr)	*75*		*35 - 115*	*06/03/20 09:14*	*06/03/20 20:49*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*39 - 132*	*06/03/20 09:14*	*06/03/20 20:49*	*1*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	4.7	U	12	2.0	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
delta-BHC	0.28	U M	1.2	0.13	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Dieldrin	0.28	U	1.2	0.12	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Endosulfan I	0.28	U	1.2	0.12	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Endosulfan II	0.28	U	1.2	0.10	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1

Client Sample ID: BF-200520

Date Collected: 05/20/20 13:30
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184331-1

Matrix: Solid
Percent Solids: 70.8

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.28	U M	1.2	0.15	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Endrin	0.28	U	1.2	0.15	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Endrin aldehyde	0.28	U	1.2	0.15	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Endrin ketone	0.28	U Q	1.2	0.14	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
gamma-BHC (Lindane)	0.28	U	1.2	0.097	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Heptachlor	0.28	U Q	1.2	0.13	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Heptachlor epoxide	0.28	U M	1.2	0.11	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Methoxychlor	0.42	U J1 Q	1.2	0.19	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1016	14	U M Q	23	7.7	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1221	18	U	23	10	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1232	8.3	U M	23	3.6	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1242	7.0	U M	23	3.5	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1248	11	U M	23	5.7	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1254	18	U M	23	7.0	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
PCB-1260	14	U M	23	6.7	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Toxaphene	9.0	U Q	120	3.8	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
4,4'-DDD	0.28	U	1.2	0.13	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
4,4'-DDE	**0.40**	**J**	1.2	0.13	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
4,4'-DDT	**0.36**	**J J1 Q**	1.2	0.15	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
Aldrin	0.28	U M	1.2	0.10	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
alpha-BHC	0.28	U M	1.2	0.097	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1
beta-BHC	0.42	U M	1.2	0.23	ug/Kg	☼	06/02/20 11:00	06/05/20 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*44 - 129*	*06/02/20 11:00*	*06/05/20 21:13*	*1*
Tetrachloro-m-xylene	*66*		*42 - 129*	*06/02/20 11:00*	*06/05/20 21:13*	*1*

Method: 8330 Modified - Nitroguanidine (HPLC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroguanidine	0.040	U M J1	0.25	0.020	mg/Kg		06/02/20 08:11	06/05/20 12:20	1

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	50	U H	100	13	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
RDX	50	U H	100	17	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
1,3,5-Trinitrobenzene	50	U H M	100	20	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
1,3-Dinitrobenzene	50	U H	100	9.5	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
Nitrobenzene	50	U H	100	18	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
Tetryl	50	U H	100	45	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
Nitroglycerin	1000	U H	2000	650	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
2,4,6-Trinitrotoluene	50	U H	100	36	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
4-Amino-2,6-dinitrotoluene	50	U H	100	15	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
2-Amino-4,6-dinitrotoluene	50	U H	100	21	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
2,6-Dinitrotoluene	50	U H	100	13	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
2,4-Dinitrotoluene	50	U H	100	45	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
2-Nitrotoluene	120	U H	200	29	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
4-Nitrotoluene	120	U H	200	96	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
3-Nitrotoluene	120	U H	200	120	ug/Kg		06/04/20 15:00	06/10/20 07:45	1
PETN	4000	U H	5000	1500	ug/Kg		06/04/20 15:00	06/10/20 07:45	1

Client Sample Results

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

Client Sample ID: BF-200520
Date Collected: 05/20/20 13:30
Date Received: 05/28/20 11:00

Lab Sample ID: 680-184331-1
Matrix: Solid
Percent Solids: 70.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene	*79*	*M*	*78 - 119*	*06/04/20 15:00*	*06/09/20 15:43*	*1*
1,2-Dinitrobenzene	*89*	*M*	*78 - 119*	*06/04/20 15:00*	*06/10/20 07:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.20	U	1.4	0.081	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Aluminum	**23000**		27	4.2	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Arsenic	**14**		2.7	1.1	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Barium	**71**		1.4	0.22	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Beryllium	**0.43**	**J**	0.54	0.014	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Calcium	**3700**		68	7.1	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Cadmium	0.41	U	0.68	0.14	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Cobalt	**6.2**		1.4	0.14	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Chromium	**16**	**B**	1.4	0.29	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Copper	**17**		3.4	0.23	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Iron	**22000**		27	7.2	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Potassium	**520**		140	3.4	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Magnesium	**1900**		68	12	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Manganese	**1100**		1.4	0.14	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Sodium	140	U	270	65	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Nickel	**12**		5.4	0.52	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Lead	**13**		1.4	0.46	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Antimony	2.7	U	2.7	1.1	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Selenium	2.7	U	3.4	1.3	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Thallium	2.0	U	3.4	0.81	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Vanadium	**18**		1.4	0.14	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1
Zinc	**54**		2.7	0.95	mg/Kg	☼	05/29/20 08:39	05/29/20 13:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.16**	**J1**	0.025	0.0099	mg/Kg	☼	06/03/20 13:14	06/04/20 11:47	1

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.6**	**HF**			SU			06/04/20 10:02	1
Nitrocellulose	**2.0**	**J J1**	6.9	1.1	mg/Kg	☼	06/10/20 10:30	06/11/20 12:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-620830/9
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	5.0	U	5.0	2.4	ug/Kg			06/02/20 15:29	1
1,1,1-Trichloroethane	1.5	U	5.0	0.59	ug/Kg			06/02/20 15:29	1
1,1,2,2-Tetrachloroethane	3.0	U	5.0	1.6	ug/Kg			06/02/20 15:29	1
1,1,2-Trichloroethane	3.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
1,1-Dichloroethane	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
1,1-Dichloroethene	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
1,1-Dichloropropene	1.5	U	5.0	0.95	ug/Kg			06/02/20 15:29	1
1,2,3-Trichlorobenzene	3.0	U	5.0	1.6	ug/Kg			06/02/20 15:29	1
1,2,4-Trimethylbenzene	3.0	U	5.0	1.4	ug/Kg			06/02/20 15:29	1
1,2-Dichloroethane	3.0	U M	5.0	1.1	ug/Kg			06/02/20 15:29	1
1,2-Dichloroethene, Total	1.5	U	10	0.63	ug/Kg			06/02/20 15:29	1
1,2-Dichloropropane	1.5	U	5.0	0.86	ug/Kg			06/02/20 15:29	1
1,3,5-Trimethylbenzene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
1,3-Dichloropropane	5.0	U	5.0	1.8	ug/Kg			06/02/20 15:29	1
2,2-Dichloropropane	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
2-Butanone (MEK)	7.5	U	25	2.4	ug/Kg			06/02/20 15:29	1
2-Chlorotoluene	5.0	U	5.0	2.0	ug/Kg			06/02/20 15:29	1
2-Hexanone	7.5	U	25	3.3	ug/Kg			06/02/20 15:29	1
4-Chlorotoluene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
4-Isopropyltoluene	5.0	U	5.0	2.2	ug/Kg			06/02/20 15:29	1
4-Methyl-2-pentanone (MIBK)	7.5	U	25	4.2	ug/Kg			06/02/20 15:29	1
Acetone	25	U	50	11	ug/Kg			06/02/20 15:29	1
Benzene	1.5	U	5.0	0.73	ug/Kg			06/02/20 15:29	1
Bromobenzene	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Bromoform	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Bromomethane	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Carbon disulfide	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
Carbon tetrachloride	1.5	U	5.0	0.83	ug/Kg			06/02/20 15:29	1
Chlorobenzene	1.5	U	5.0	0.96	ug/Kg			06/02/20 15:29	1
Chlorobromomethane	5.0	U	5.0	3.3	ug/Kg			06/02/20 15:29	1
Chlorodibromomethane	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Chloroethane	5.0	U	5.0	2.7	ug/Kg			06/02/20 15:29	1
Chloroform	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
Chloromethane	3.0	U	5.0	1.0	ug/Kg			06/02/20 15:29	1
cis-1,2-Dichloroethene	3.0	U	5.0	1.4	ug/Kg			06/02/20 15:29	1
cis-1,3-Dichloropropene	1.5	U	5.0	0.83	ug/Kg			06/02/20 15:29	1
Dibromomethane	5.0	U	5.0	1.7	ug/Kg			06/02/20 15:29	1
Dichlorobromomethane	1.5	U	5.0	0.97	ug/Kg			06/02/20 15:29	1
Dichlorodifluoromethane	1.5	U	5.0	0.94	ug/Kg			06/02/20 15:29	1
Ethylbenzene	5.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
Isopropylbenzene	5.0	U	5.0	1.9	ug/Kg			06/02/20 15:29	1
Methyl tert-butyl ether	3.0	U	5.0	1.0	ug/Kg			06/02/20 15:29	1
Methylene Chloride	1.5	U	5.0	0.98	ug/Kg			06/02/20 15:29	1
m-Xylene & p-Xylene	5.0	U	5.0	2.6	ug/Kg			06/02/20 15:29	1
n-Butylbenzene	5.0	U	5.0	2.4	ug/Kg			06/02/20 15:29	1
N-Propylbenzene	5.0	U	5.0	2.7	ug/Kg			06/02/20 15:29	1
o-Xylene	3.0	U	5.0	1.1	ug/Kg			06/02/20 15:29	1
sec-Butylbenzene	5.0	U	5.0	2.1	ug/Kg			06/02/20 15:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-620830/9
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.5	U	5.0	0.93	ug/Kg			06/02/20 15:29	1
tert-Butylbenzene	5.0	U	5.0	1.8	ug/Kg			06/02/20 15:29	1
Tetrachloroethene	5.0	U	5.0	1.9	ug/Kg			06/02/20 15:29	1
Toluene	1.5	U	5.0	0.84	ug/Kg			06/02/20 15:29	1
trans-1,2-Dichloroethene	1.5	U	5.0	0.63	ug/Kg			06/02/20 15:29	1
trans-1,3-Dichloropropene	1.5	U	5.0	0.87	ug/Kg			06/02/20 15:29	1
Trichloroethene	3.0	U	5.0	1.3	ug/Kg			06/02/20 15:29	1
Trichlorofluoromethane	3.0	U	5.0	1.2	ug/Kg			06/02/20 15:29	1
Vinyl acetate	6.0	U	10	2.5	ug/Kg			06/02/20 15:29	1
Vinyl chloride	3.0	U	5.0	1.5	ug/Kg			06/02/20 15:29	1
Xylenes, Total	3.0	U	10	1.1	ug/Kg			06/02/20 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*71 - 138*		*06/02/20 15:29*	*1*
4-Bromofluorobenzene (Surr)	*107*		*79 - 119*		*06/02/20 15:29*	*1*
Dibromofluoromethane (Surr)	*91*		*78 - 119*		*06/02/20 15:29*	*1*
Toluene-d8 (Surr)	*107*		*85 - 116*		*06/02/20 15:29*	*1*

Lab Sample ID: LCS 680-620830/5
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.8		ug/Kg		104	78 - 125
1,1,1-Trichloroethane	50.0	46.2		ug/Kg		92	73 - 130
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/Kg		105	70 - 124
1,1,2-Trichloroethane	50.0	45.5		ug/Kg		91	78 - 121
1,1-Dichloroethane	50.0	44.5		ug/Kg		89	76 - 125
1,1-Dichloroethene	50.0	47.2		ug/Kg		94	70 - 131
1,1-Dichloropropene	50.0	49.1		ug/Kg		98	76 - 125
1,2,3-Trichlorobenzene	50.0	57.2		ug/Kg		114	66 - 130
1,2,4-Trimethylbenzene	50.0	55.6		ug/Kg		111	75 - 123
1,2-Dichloroethane	50.0	42.6		ug/Kg		85	73 - 128
1,2-Dichloroethene, Total	100	91.2		ug/Kg		91	78 - 122
1,2-Dichloropropane	50.0	46.5		ug/Kg		93	76 - 123
1,3,5-Trimethylbenzene	50.0	56.2	M	ug/Kg		112	73 - 124
1,3-Dichloropropane	50.0	44.4		ug/Kg		89	77 - 121
2,2-Dichloropropane	50.0	48.4		ug/Kg		97	67 - 133
2-Butanone (MEK)	250	251		ug/Kg		100	51 - 148
2-Chlorotoluene	50.0	53.8		ug/Kg		108	75 - 122
2-Hexanone	250	221		ug/Kg		88	53 - 145
4-Chlorotoluene	50.0	51.7		ug/Kg		103	72 - 124
4-Isopropyltoluene	50.0	57.1		ug/Kg		114	73 - 127
4-Methyl-2-pentanone (MIBK)	250	232		ug/Kg		93	65 - 135
Acetone	250	224		ug/Kg		90	36 - 164
Benzene	50.0	48.2		ug/Kg		96	77 - 121
Bromobenzene	50.0	52.0		ug/Kg		104	78 - 121
Bromoform	50.0	52.0		ug/Kg		104	67 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-620830/5
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	50.0	45.1		ug/Kg		90	53 - 143
Carbon disulfide	50.0	46.7		ug/Kg		93	63 - 132
Carbon tetrachloride	50.0	46.6		ug/Kg		93	70 - 135
Chlorobenzene	50.0	52.3		ug/Kg		105	79 - 120
Chlorobromomethane	50.0	46.0		ug/Kg		92	78 - 125
Chlorodibromomethane	50.0	45.7		ug/Kg		91	74 - 126
Chloroethane	50.0	46.6		ug/Kg		93	59 - 139
Chloroform	50.0	45.3		ug/Kg		91	78 - 123
Chloromethane	50.0	42.5		ug/Kg		85	50 - 136
cis-1,2-Dichloroethene	50.0	44.5		ug/Kg		89	77 - 123
cis-1,3-Dichloropropene	50.0	44.7		ug/Kg		89	74 - 126
Dibromomethane	50.0	44.5		ug/Kg		89	78 - 125
Dichlorobromomethane	50.0	45.2		ug/Kg		90	75 - 127
Dichlorodifluoromethane	50.0	48.4		ug/Kg		97	29 - 149
Ethylbenzene	50.0	53.1		ug/Kg		106	76 - 122
Isopropylbenzene	50.0	56.6		ug/Kg		113	68 - 134
Methyl tert-butyl ether	50.0	45.1		ug/Kg		90	73 - 125
Methylene Chloride	50.0	47.8		ug/Kg		96	70 - 128
m-Xylene & p-Xylene	50.0	52.9		ug/Kg		106	77 - 124
n-Butylbenzene	50.0	56.5		ug/Kg		113	70 - 128
N-Propylbenzene	50.0	54.7		ug/Kg		109	73 - 125
o-Xylene	50.0	53.7		ug/Kg		107	77 - 123
sec-Butylbenzene	50.0	59.1		ug/Kg		118	73 - 126
Styrene	50.0	51.7		ug/Kg		103	76 - 124
tert-Butylbenzene	50.0	58.6		ug/Kg		117	73 - 125
Tetrachloroethene	50.0	50.4		ug/Kg		101	73 - 128
Toluene	50.0	48.0		ug/Kg		96	77 - 121
trans-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	74 - 125
trans-1,3-Dichloropropene	50.0	40.9		ug/Kg		82	71 - 130
Trichloroethene	50.0	50.6		ug/Kg		101	77 - 123
Trichlorofluoromethane	50.0	48.5		ug/Kg		97	62 - 140
Vinyl acetate	100	107		ug/Kg		107	50 - 151
Vinyl chloride	50.0	43.1		ug/Kg		86	56 - 135
Xylenes, Total	100	107		ug/Kg		107	78 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 138*
4-Bromofluorobenzene (Surr)	*97*		*79 - 119*
Dibromofluoromethane (Surr)	*89*		*78 - 119*
Toluene-d8 (Surr)	*104*		*85 - 116*

Lab Sample ID: LCSD 680-620830/6
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	54.2		ug/Kg		108	78 - 125	5	20
1,1,1-Trichloroethane	50.0	50.2		ug/Kg		100	73 - 130	8	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-620830/6
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 620830

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	57.2		ug/Kg		114	70 - 124	9	20
1,1,2-Trichloroethane	50.0	47.1		ug/Kg		94	78 - 121	3	20
1,1-Dichloroethane	50.0	46.0		ug/Kg		92	76 - 125	3	20
1,1-Dichloroethene	50.0	48.0		ug/Kg		96	70 - 131	2	20
1,1-Dichloropropene	50.0	48.2		ug/Kg		96	76 - 125	2	20
1,2,3-Trichlorobenzene	50.0	56.7		ug/Kg		113	66 - 130	1	20
1,2,4-Trimethylbenzene	50.0	59.8		ug/Kg		120	75 - 123	7	20
1,2-Dichloroethane	50.0	44.1		ug/Kg		88	73 - 128	4	20
1,2-Dichloroethene, Total	100	95.8		ug/Kg		96	78 - 122	5	20
1,2-Dichloropropane	50.0	47.4		ug/Kg		95	76 - 123	2	20
1,3,5-Trimethylbenzene	50.0	59.6		ug/Kg		119	73 - 124	6	20
1,3-Dichloropropane	50.0	46.4		ug/Kg		93	77 - 121	4	20
2,2-Dichloropropane	50.0	53.5		ug/Kg		107	67 - 133	10	20
2-Butanone (MEK)	250	250		ug/Kg		100	51 - 148	0	20
2-Chlorotoluene	50.0	57.7		ug/Kg		115	75 - 122	7	20
2-Hexanone	250	241		ug/Kg		96	53 - 145	8	20
4-Chlorotoluene	50.0	57.7		ug/Kg		115	72 - 124	11	20
4-Isopropyltoluene	50.0	56.9		ug/Kg		114	73 - 127	0	20
4-Methyl-2-pentanone (MIBK)	250	249		ug/Kg		100	65 - 135	7	20
Acetone	250	230		ug/Kg		92	36 - 164	3	20
Benzene	50.0	48.8		ug/Kg		98	77 - 121	1	20
Bromobenzene	50.0	56.6		ug/Kg		113	78 - 121	8	20
Bromoform	50.0	57.1		ug/Kg		114	67 - 132	9	20
Bromomethane	50.0	49.2		ug/Kg		98	53 - 143	9	20
Carbon disulfide	50.0	50.3		ug/Kg		101	63 - 132	7	20
Carbon tetrachloride	50.0	50.1		ug/Kg		100	70 - 135	7	20
Chlorobenzene	50.0	53.2		ug/Kg		106	79 - 120	2	20
Chlorobromomethane	50.0	47.0		ug/Kg		94	78 - 125	2	20
Chlorodibromomethane	50.0	48.2		ug/Kg		96	74 - 126	5	20
Chloroethane	50.0	50.8		ug/Kg		102	59 - 139	9	20
Chloroform	50.0	47.0		ug/Kg		94	78 - 123	4	20
Chloromethane	50.0	46.0		ug/Kg		92	50 - 136	8	20
cis-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	77 - 123	4	20
cis-1,3-Dichloropropene	50.0	45.4		ug/Kg		91	74 - 126	2	20
Dibromomethane	50.0	46.6		ug/Kg		93	78 - 125	5	20
Dichlorobromomethane	50.0	45.9		ug/Kg		92	75 - 127	2	20
Dichlorodifluoromethane	50.0	50.7		ug/Kg		101	29 - 149	5	20
Ethylbenzene	50.0	54.7		ug/Kg		109	76 - 122	3	20
Isopropylbenzene	50.0	58.4		ug/Kg		117	68 - 134	3	20
Methyl tert-butyl ether	50.0	50.7		ug/Kg		101	73 - 125	12	20
Methylene Chloride	50.0	50.0		ug/Kg		100	70 - 128	5	20
m-Xylene & p-Xylene	50.0	55.8		ug/Kg		112	77 - 124	5	20
n-Butylbenzene	50.0	58.2		ug/Kg		116	70 - 128	3	20
N-Propylbenzene	50.0	59.8		ug/Kg		120	73 - 125	9	20
o-Xylene	50.0	55.4		ug/Kg		111	77 - 123	3	20
sec-Butylbenzene	50.0	62.0		ug/Kg		124	73 - 126	5	20
Styrene	50.0	55.6		ug/Kg		111	76 - 124	7	20
tert-Butylbenzene	50.0	59.2		ug/Kg		118	73 - 125	1	20
Tetrachloroethene	50.0	51.3		ug/Kg		103	73 - 128	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-620830/6
Matrix: Solid
Analysis Batch: 620830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	49.2		ug/Kg		98	77 - 121	3	20
trans-1,2-Dichloroethene			50.0	49.2		ug/Kg		98	74 - 125	5	20
trans-1,3-Dichloropropene			50.0	42.7		ug/Kg		85	71 - 130	4	20
Trichloroethene			50.0	49.8		ug/Kg		100	77 - 123	2	20
Trichlorofluoromethane			50.0	51.8		ug/Kg		104	62 - 140	7	20
Vinyl acetate			100	114		ug/Kg		114	50 - 151	7	20
Vinyl chloride			50.0	46.1		ug/Kg		92	56 - 135	7	20
Xylenes, Total			100	111		ug/Kg		111	78 - 124	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*71 - 138*
4-Bromofluorobenzene (Surr)	*95*		*79 - 119*
Dibromofluoromethane (Surr)	*92*		*78 - 119*
Toluene-d8 (Surr)	*100*		*85 - 116*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-620995/2-A
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	63	U	310	39	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Acenaphthylene	63	U	310	34	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Acetophenone	63	U M	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Anthracene	63	U	310	24	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Atrazine	63	U	310	22	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzaldehyde	160	U M	310	55	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzo[a]anthracene	63	U M	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzo[a]pyrene	78	U M	310	49	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzo[b]fluoranthene	63	U	310	36	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzo[g,h,i]perylene	63	U	310	21	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Benzo[k]fluoranthene	160	U	310	61	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
1,1'-Biphenyl	1600	U	1600	1600	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Bis(2-chloroethoxy)methane	63	U	310	37	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Bis(2-chloroethyl)ether	78	U M	310	43	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
bis (2-chloroisopropyl) ether	63	U M	310	28	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Bis(2-ethylhexyl) phthalate	63	U	310	27	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Bromophenyl phenyl ether	63	U	310	34	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Butyl benzyl phthalate	63	U	310	25	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Caprolactam	160	U	310	62	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Carbazole	63	U	310	28	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Chloroaniline	78	U	620	49	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Chloro-3-methylphenol	63	U	310	33	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Chloronaphthalene	63	U	310	33	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Chlorophenol	63	U	310	38	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Chlorophenyl phenyl ether	63	U	310	42	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Chrysene	63	U	310	20	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Dibenz(a,h)anthracene	63	U	310	37	ug/Kg		06/03/20 09:14	06/03/20 16:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-620995/2-A
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620995

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	63	U	310	31	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
3,3'-Dichlorobenzidine	63	U	620	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4-Dichlorophenol	63	U	310	33	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Diethyl phthalate	63	U	310	35	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4-Dimethylphenol	63	U	310	42	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Dimethyl phthalate	63	U	310	32	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Di-n-butyl phthalate	63	U	310	28	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4,6-Dinitro-2-methylphenol	310	U	1600	160	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4-Dinitrophenol	1200	U	1600	780	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,6-Dinitrotoluene	63	U	310	40	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4-Dinitrotoluene	78	U M	310	46	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Di-n-octyl phthalate	63	U	310	27	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Fluoranthene	63	U	310	30	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Fluorene	63	U	310	34	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Hexachlorobenzene	63	U	310	37	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Hexachlorobutadiene	63	U	310	34	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Hexachlorocyclopentadiene	63	U	310	39	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Hexachloroethane	63	U	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Indeno[1,2,3-cd]pyrene	63	U	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Isophorone	63	U	310	31	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Methylnaphthalene	63	U	310	36	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Methylphenol	63	U	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
3 & 4 Methylphenol	63	U M	310	41	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Naphthalene	63	U	310	28	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Nitroaniline	160	U	1600	43	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
3-Nitroaniline	78	U	1600	43	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Nitroaniline	78	U	1600	46	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Nitrobenzene	63	U	310	25	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2-Nitrophenol	63	U M	310	39	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
4-Nitrophenol	630	U	1600	310	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
N-Nitrosodi-n-propylamine	63	U	310	30	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
N-Nitrosodiphenylamine	63	U M	310	31	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Pentachlorophenol	630	U	1600	310	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Phenanthrene	63	U	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Phenol	63	U M	310	32	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
Pyrene	63	U M	310	26	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4,6-Trichlorophenol	63	U	310	27	ug/Kg		06/03/20 09:14	06/03/20 16:17	1
2,4,5-Trichlorophenol	63	U	310	33	ug/Kg		06/03/20 09:14	06/03/20 16:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*37 - 122*	*06/03/20 09:14*	*06/03/20 16:17*	*1*
2-Fluorobiphenyl (Surr)	*79*		*44 - 115*	*06/03/20 09:14*	*06/03/20 16:17*	*1*
Terphenyl-d14 (Surr)	*92*		*54 - 127*	*06/03/20 09:14*	*06/03/20 16:17*	*1*
Phenol-d5 (Surr)	*78*		*33 - 122*	*06/03/20 09:14*	*06/03/20 16:17*	*1*
2-Fluorophenol (Surr)	*81*		*35 - 115*	*06/03/20 09:14*	*06/03/20 16:17*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*39 - 132*	*06/03/20 09:14*	*06/03/20 16:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-620995/3-A
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	6450	5630		ug/Kg		87	40 - 123
Acenaphthylene	6450	5920		ug/Kg		92	32 - 132
Acetophenone	6450	5190		ug/Kg		80	33 - 115
Anthracene	6450	5840		ug/Kg		91	47 - 123
Atrazine	6450	5590		ug/Kg		87	47 - 127
Benzaldehyde	6450	818		ug/Kg		13	10 - 130
Benzo[a]anthracene	6450	5950		ug/Kg		92	49 - 126
Benzo[a]pyrene	6450	5680		ug/Kg		88	45 - 129
Benzo[b]fluoranthene	6450	5650		ug/Kg		88	45 - 132
Benzo[g,h,i]perylene	6450	6420		ug/Kg		100	43 - 134
Benzo[k]fluoranthene	6450	5720		ug/Kg		89	47 - 132
1,1'-Biphenyl	6450	5490		ug/Kg		85	40 - 117
Bis(2-chloroethoxy)methane	6450	5510		ug/Kg		85	36 - 121
Bis(2-chloroethyl)ether	6450	5580	M	ug/Kg		86	31 - 120
bis (2-chloroisopropyl) ether	6450	5620		ug/Kg		87	33 - 131
Bis(2-ethylhexyl) phthalate	6450	6540		ug/Kg		101	51 - 133
4-Bromophenyl phenyl ether	6450	5320		ug/Kg		82	46 - 124
Butyl benzyl phthalate	6450	6500		ug/Kg		101	48 - 132
Caprolactam	6450	6520		ug/Kg		101	46 - 117
Carbazole	6450	5910		ug/Kg		92	50 - 123
4-Chloroaniline	6450	2390		ug/Kg		37	17 - 106
4-Chloro-3-methylphenol	6450	5970		ug/Kg		92	45 - 122
2-Chloronaphthalene	6450	5410		ug/Kg		84	41 - 114
2-Chlorophenol	6450	5650		ug/Kg		88	34 - 121
4-Chlorophenyl phenyl ether	6450	5330		ug/Kg		83	45 - 121
Chrysene	6450	5860		ug/Kg		91	50 - 124
Dibenz(a,h)anthracene	6450	6390		ug/Kg		99	45 - 134
Dibenzofuran	6450	5540		ug/Kg		86	44 - 120
3,3'-Dichlorobenzidine	6450	3490		ug/Kg		54	22 - 121
2,4-Dichlorophenol	6450	5990		ug/Kg		93	40 - 122
Diethyl phthalate	6450	5550		ug/Kg		86	50 - 124
2,4-Dimethylphenol	6450	6020		ug/Kg		93	30 - 127
Dimethyl phthalate	6450	5760		ug/Kg		89	48 - 124
Di-n-butyl phthalate	6450	5960		ug/Kg		92	51 - 128
4,6-Dinitro-2-methylphenol	12900	8510		ug/Kg		66	29 - 132
2,4-Dinitrophenol	12900	5840		ug/Kg		45	10 - 130
2,6-Dinitrotoluene	6450	5730		ug/Kg		89	46 - 124
2,4-Dinitrotoluene	6450	5670		ug/Kg		88	48 - 126
Di-n-octyl phthalate	6450	7150		ug/Kg		111	45 - 140
Fluoranthene	6450	5800		ug/Kg		90	50 - 127
Fluorene	6450	5710		ug/Kg		89	43 - 125
Hexachlorobenzene	6450	7310		ug/Kg		113	45 - 122
Hexachlorobutadiene	6450	4770		ug/Kg		74	32 - 123
Hexachlorocyclopentadiene	6450	5230		ug/Kg		81	28 - 130
Hexachloroethane	6450	5030		ug/Kg		78	28 - 117
Indeno[1,2,3-cd]pyrene	6450	6370		ug/Kg		99	45 - 133
Isophorone	6450	5710		ug/Kg		89	30 - 122
2-Methylnaphthalene	6450	5530		ug/Kg		86	38 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-620995/3-A
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	6450	5790		ug/Kg		90	32 - 122
3 & 4 Methylphenol	6450	5900		ug/Kg		91	34 - 119
Naphthalene	6450	5180		ug/Kg		80	35 - 123
2-Nitroaniline	6450	5830		ug/Kg		90	44 - 127
3-Nitroaniline	6450	3900		ug/Kg		60	33 - 119
4-Nitroaniline	6450	5450		ug/Kg		85	41 - 130
Nitrobenzene	6450	5300		ug/Kg		82	34 - 122
2-Nitrophenol	6450	5690		ug/Kg		88	36 - 123
4-Nitrophenol	12900	11900		ug/Kg		92	30 - 132
N-Nitrosodi-n-propylamine	6450	5560		ug/Kg		86	36 - 120
N-Nitrosodiphenylamine	6450	5790		ug/Kg		90	38 - 127
Pentachlorophenol	12900	11200		ug/Kg		87	25 - 133
Phenanthrene	6450	5790		ug/Kg		90	50 - 121
Phenol	6450	6190		ug/Kg		96	34 - 121
Pyrene	6450	6110		ug/Kg		95	47 - 127
2,4,6-Trichlorophenol	6450	5790		ug/Kg		90	39 - 126
2,4,5-Trichlorophenol	6450	5790		ug/Kg		90	41 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*78*		*37 - 122*
2-Fluorobiphenyl (Surr)	*77*		*44 - 115*
Terphenyl-d14 (Surr)	*90*		*54 - 127*
Phenol-d5 (Surr)	*94*		*33 - 122*
2-Fluorophenol (Surr)	*90*		*35 - 115*
2,4,6-Tribromophenol (Surr)	*74*		*39 - 132*

Lab Sample ID: 680-184331-1 MS
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	91	U Q	9230	6770	Q	ug/Kg	☼	73	40 - 123
Acenaphthylene	91	U Q	9230	6640	Q	ug/Kg	☼	72	32 - 132
Acetophenone	91	U	9230	6930		ug/Kg	☼	75	33 - 115
Anthracene	91	U M Q	9230	5390	Q	ug/Kg	☼	58	47 - 123
Atrazine	91	U	9230	6050		ug/Kg	☼	66	47 - 127
Benzaldehyde	300	J	9230	8230		ug/Kg	☼	86	10 - 130
Benzo[a]anthracene	91	U M Q J1	9230	3850	Q J1	ug/Kg	☼	42	49 - 126
Benzo[a]pyrene	110	U M Q J1	9230	2540	Q J1	ug/Kg	☼	28	45 - 129
Benzo[b]fluoranthene	91	U Q J1	9230	2960	Q J1	ug/Kg	☼	32	45 - 132
Benzo[g,h,i]perylene	91	U Q J1	9230	1960	Q J1	ug/Kg	☼	21	43 - 134
Benzo[k]fluoranthene	230	U Q J1	9230	3010	Q J1	ug/Kg	☼	33	47 - 132
1,1'-Biphenyl	2300	U M	9230	6810		ug/Kg	☼	74	40 - 117
Bis(2-chloroethoxy)methane	91	U	9230	7260		ug/Kg	☼	79	36 - 121
Bis(2-chloroethyl)ether	110	U	9230	7260	M	ug/Kg	☼	79	31 - 120
bis (2-chloroisopropyl) ether	91	U	9230	7680		ug/Kg	☼	83	33 - 131
Bis(2-ethylhexyl) phthalate	97	J	9230	8140		ug/Kg	☼	87	51 - 133
4-Bromophenyl phenyl ether	91	U	9230	6610		ug/Kg	☼	72	46 - 124

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-184331-1 MS
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Butyl benzyl phthalate	91	U Q	9230	7560		ug/Kg	☼	82	48 - 132
Caprolactam	230	U M	9230	6580	M	ug/Kg	☼	71	46 - 117
Carbazole	91	U M	9230	6110		ug/Kg	☼	66	50 - 123
4-Chloroaniline	110	U J1	9230	4090		ug/Kg	☼	44	17 - 106
4-Chloro-3-methylphenol	91	U	9230	7090		ug/Kg	☼	77	45 - 122
2-Chloronaphthalene	91	U	9230	6560		ug/Kg	☼	71	41 - 114
2-Chlorophenol	91	U	9230	7090		ug/Kg	☼	77	34 - 121
4-Chlorophenyl phenyl ether	91	U	9230	6820		ug/Kg	☼	74	45 - 121
Chrysene	91	U Q J1	9230	3750	Q J1	ug/Kg	☼	41	50 - 124
Dibenz(a,h)anthracene	91	U J1	9230	2200	J1	ug/Kg	☼	24	45 - 134
Dibenzofuran	91	U M	9230	6210		ug/Kg	☼	67	44 - 120
3,3'-Dichlorobenzidine	91	U Q	9230	3750		ug/Kg	☼	41	22 - 121
2,4-Dichlorophenol	91	U	9230	7040		ug/Kg	☼	76	40 - 122
Diethyl phthalate	91	U	9230	6980		ug/Kg	☼	76	50 - 124
2,4-Dimethylphenol	91	U	9230	6880		ug/Kg	☼	75	30 - 127
Dimethyl phthalate	91	U	9230	7020		ug/Kg	☼	76	48 - 124
Di-n-butyl phthalate	91	U M	9230	7430		ug/Kg	☼	81	51 - 128
4,6-Dinitro-2-methylphenol	450	U M	18500	7860		ug/Kg	☼	43	29 - 132
2,4-Dinitrophenol	1800	U M	18500	7360		ug/Kg	☼	40	10 - 130
2,6-Dinitrotoluene	91	U	9230	6610		ug/Kg	☼	72	46 - 124
2,4-Dinitrotoluene	110	U	9230	6070		ug/Kg	☼	66	48 - 126
Di-n-octyl phthalate	91	U M Q	9230	8690		ug/Kg	☼	94	45 - 140
Fluoranthene	91	U Q	9230	4890	Q	ug/Kg	☼	53	50 - 127
Fluorene	91	U M Q	9230	6270	Q	ug/Kg	☼	68	43 - 125
Hexachlorobenzene	91	U Q	9230	8210		ug/Kg	☼	89	45 - 122
Hexachlorobutadiene	91	U	9230	6600		ug/Kg	☼	72	32 - 123
Hexachlorocyclopentadiene	91	U	9230	3090		ug/Kg	☼	34	28 - 130
Hexachloroethane	91	U	9230	6270		ug/Kg	☼	68	28 - 117
Indeno[1,2,3-cd]pyrene	91	U Q J1	9230	2020	Q J1	ug/Kg	☼	22	45 - 133
Isophorone	91	U	9230	7390		ug/Kg	☼	80	30 - 122
2-Methylnaphthalene	91	U M	9230	7030		ug/Kg	☼	76	38 - 122
2-Methylphenol	91	U M	9230	7010		ug/Kg	☼	76	32 - 122
3 & 4 Methylphenol	91	U M	9230	7150		ug/Kg	☼	77	34 - 119
Naphthalene	91	U Q	9230	6830	Q	ug/Kg	☼	74	35 - 123
2-Nitroaniline	230	U M	9230	6700		ug/Kg	☼	73	44 - 127
3-Nitroaniline	110	U	9230	6060		ug/Kg	☼	66	33 - 119
4-Nitroaniline	110	U	9230	6070		ug/Kg	☼	66	41 - 130
Nitrobenzene	91	U	9230	6890		ug/Kg	☼	75	34 - 122
2-Nitrophenol	91	U	9230	6700		ug/Kg	☼	73	36 - 123
4-Nitrophenol	910	U	18500	13800		ug/Kg	☼	75	30 - 132
N-Nitrosodi-n-propylamine	91	U	9230	7350		ug/Kg	☼	80	36 - 120
N-Nitrosodiphenylamine	91	U	9230	6770		ug/Kg	☼	73	38 - 127
Pentachlorophenol	910	U	18500	10800		ug/Kg	☼	58	25 - 133
Phenanthrene	91	U Q	9230	5600	Q	ug/Kg	☼	61	50 - 121
Phenol	91	U M	9230	7290		ug/Kg	☼	79	34 - 121
Pyrene	91	U M Q	9230	4660	Q	ug/Kg	☼	51	47 - 127
2,4,6-Trichlorophenol	91	U	9230	7120		ug/Kg	☼	77	39 - 126
2,4,5-Trichlorophenol	91	U	9230	6760		ug/Kg	☼	73	41 - 124

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-184331-1 MS
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620995

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*71*		*37 - 122*
2-Fluorobiphenyl (Surr)	*71*		*44 - 115*
Terphenyl-d14 (Surr)	*47*	*Q*	*54 - 127*
Phenol-d5 (Surr)	*75*		*33 - 122*
2-Fluorophenol (Surr)	*75*		*35 - 115*
2,4,6-Tribromophenol (Surr)	*50*		*39 - 132*

Lab Sample ID: 680-184331-1 MSD
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	91	U Q	9290	7110		ug/Kg	☼	77	40 - 123	5	20
Acenaphthylene	91	U Q	9290	7120		ug/Kg	☼	77	32 - 132	7	20
Acetophenone	91	U	9290	7060		ug/Kg	☼	76	33 - 115	2	20
Anthracene	91	U M Q	9290	6180		ug/Kg	☼	67	47 - 123	14	20
Atrazine	91	U	9290	6640		ug/Kg	☼	71	47 - 127	9	20
Benzaldehyde	300	J	9290	8230		ug/Kg	☼	85	10 - 130	0	20
Benzo[a]anthracene	91	U M Q J1	9290	4530		ug/Kg	☼	49	49 - 126	16	20
Benzo[a]pyrene	110	U M Q J1	9290	3160	J1	ug/Kg	☼	34	45 - 129	22	20
Benzo[b]fluoranthene	91	U Q J1	9290	3640	J1	ug/Kg	☼	39	45 - 132	21	20
Benzo[g,h,i]perylene	91	U Q J1	9290	2440	J1	ug/Kg	☼	26	43 - 134	22	20
Benzo[k]fluoranthene	230	U Q J1	9290	3760	J1	ug/Kg	☼	40	47 - 132	22	20
1,1'-Biphenyl	2300	U M	9290	7150		ug/Kg	☼	77	40 - 117	5	20
Bis(2-chloroethoxy)methane	91	U	9290	7330		ug/Kg	☼	79	36 - 121	1	20
Bis(2-chloroethyl)ether	110	U	9290	7260	M	ug/Kg	☼	78	31 - 120	0	20
bis (2-chloroisopropyl) ether	91	U	9290	7560		ug/Kg	☼	81	33 - 131	2	20
Bis(2-ethylhexyl) phthalate	97	J	9290	8570		ug/Kg	☼	91	51 - 133	5	20
4-Bromophenyl phenyl ether	91	U	9290	7120		ug/Kg	☼	77	46 - 124	7	20
Butyl benzyl phthalate	91	U Q	9290	8160		ug/Kg	☼	88	48 - 132	8	20
Caprolactam	230	U M	9290	6990	M	ug/Kg	☼	75	46 - 117	6	20
Carbazole	91	U M	9290	6860		ug/Kg	☼	74	50 - 123	12	20
4-Chloroaniline	110	U J1	9290	2630	J1	ug/Kg	☼	28	17 - 106	43	20
4-Chloro-3-methylphenol	91	U	9290	7430		ug/Kg	☼	80	45 - 122	5	20
2-Chloronaphthalene	91	U	9290	6620		ug/Kg	☼	71	41 - 114	1	20
2-Chlorophenol	91	U	9290	7230		ug/Kg	☼	78	34 - 121	2	20
4-Chlorophenyl phenyl ether	91	U	9290	7150		ug/Kg	☼	77	45 - 121	5	20
Chrysene	91	U Q J1	9290	4520	J1	ug/Kg	☼	49	50 - 124	18	20
Dibenz(a,h)anthracene	91	U J1	9290	2800	J1	ug/Kg	☼	30	45 - 134	24	20
Dibenzofuran	91	U M	9290	6490		ug/Kg	☼	70	44 - 120	4	20
3,3'-Dichlorobenzidine	91	U Q	9290	4550		ug/Kg	☼	49	22 - 121	19	20
2,4-Dichlorophenol	91	U	9290	7430		ug/Kg	☼	80	40 - 122	5	20
Diethyl phthalate	91	U	9290	7260		ug/Kg	☼	78	50 - 124	4	20
2,4-Dimethylphenol	91	U	9290	6990		ug/Kg	☼	75	30 - 127	2	20
Dimethyl phthalate	91	U	9290	7160		ug/Kg	☼	77	48 - 124	2	20
Di-n-butyl phthalate	91	U M	9290	7900		ug/Kg	☼	85	51 - 128	6	20
4,6-Dinitro-2-methylphenol	450	U M	18600	9380		ug/Kg	☼	50	29 - 132	18	20
2,4-Dinitrophenol	1800	U M	18600	8480		ug/Kg	☼	46	10 - 130	14	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-184331-1 MSD
Matrix: Solid
Analysis Batch: 621055

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620995

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,6-Dinitrotoluene	91	U	9290	6940		ug/Kg	☼	75	46 - 124	5	20
2,4-Dinitrotoluene	110	U	9290	6690		ug/Kg	☼	72	48 - 126	10	20
Di-n-octyl phthalate	91	U M Q	9290	9440		ug/Kg	☼	102	45 - 140	8	20
Fluoranthene	91	U Q	9290	5780		ug/Kg	☼	62	50 - 127	17	20
Fluorene	91	U M Q	9290	6780		ug/Kg	☼	73	43 - 125	8	20
Hexachlorobenzene	91	U Q	9290	8930		ug/Kg	☼	96	45 - 122	8	20
Hexachlorobutadiene	91	U	9290	6650		ug/Kg	☼	72	32 - 123	1	20
Hexachlorocyclopentadiene	91	U	9290	3750		ug/Kg	☼	40	28 - 130	19	20
Hexachloroethane	91	U	9290	6600		ug/Kg	☼	71	28 - 117	5	20
Indeno[1,2,3-cd]pyrene	91	U Q J1	9290	2530	J1	ug/Kg	☼	27	45 - 133	22	20
Isophorone	91	U	9290	7630		ug/Kg	☼	82	30 - 122	3	20
2-Methylnaphthalene	91	U M	9290	7200		ug/Kg	☼	77	38 - 122	2	20
2-Methylphenol	91	U M	9290	6770		ug/Kg	☼	73	32 - 122	3	20
3 & 4 Methylphenol	91	U M	9290	6940		ug/Kg	☼	75	34 - 119	3	20
Naphthalene	91	U Q	9290	7100		ug/Kg	☼	76	35 - 123	4	20
2-Nitroaniline	230	U M	9290	7100		ug/Kg	☼	76	44 - 127	6	20
3-Nitroaniline	110	U	9290	5350		ug/Kg	☼	58	33 - 119	12	20
4-Nitroaniline	110	U	9290	6930		ug/Kg	☼	75	41 - 130	13	20
Nitrobenzene	91	U	9290	7160		ug/Kg	☼	77	34 - 122	4	20
2-Nitrophenol	91	U	9290	7210		ug/Kg	☼	78	36 - 123	7	20
4-Nitrophenol	910	U	18600	14800		ug/Kg	☼	80	30 - 132	7	20
N-Nitrosodi-n-propylamine	91	U	9290	7150		ug/Kg	☼	77	36 - 120	3	20
N-Nitrosodiphenylamine	91	U	9290	7180		ug/Kg	☼	77	38 - 127	6	20
Pentachlorophenol	910	U	18600	12400		ug/Kg	☼	66	25 - 133	14	20
Phenanthrene	91	U Q	9290	6280		ug/Kg	☼	68	50 - 121	12	20
Phenol	91	U M	9290	7390		ug/Kg	☼	80	34 - 121	1	20
Pyrene	91	U M Q	9290	5560		ug/Kg	☼	60	47 - 127	17	20
2,4,6-Trichlorophenol	91	U	9290	7540		ug/Kg	☼	81	39 - 126	6	20
2,4,5-Trichlorophenol	91	U	9290	7270		ug/Kg	☼	78	41 - 124	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*72*		*37 - 122*
2-Fluorobiphenyl (Surr)	*72*		*44 - 115*
Terphenyl-d14 (Surr)	*67*		*54 - 127*
Phenol-d5 (Surr)	*75*		*33 - 122*
2-Fluorophenol (Surr)	*79*		*35 - 115*
2,4,6-Tribromophenol (Surr)	*60*		*39 - 132*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-620836/5-A
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620836

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	3.2	U	8.0	1.4	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
delta-BHC	0.19	U	0.80	0.090	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Dieldrin	0.19	U	0.80	0.080	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Endosulfan I	0.19	U	0.80	0.080	ug/Kg		06/02/20 11:00	06/05/20 18:07	1

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-620836/5-A
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620836

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.19	U	0.80	0.071	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Endosulfan sulfate	0.19	U	0.80	0.099	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Endrin	0.19	U	0.80	0.10	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Endrin aldehyde	0.19	U	0.80	0.10	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Endrin ketone	0.19	U	0.80	0.095	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
gamma-BHC (Lindane)	0.19	U	0.80	0.066	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Heptachlor	0.19	U	0.80	0.090	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Heptachlor epoxide	0.19	U	0.80	0.076	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Methoxychlor	0.28	U	0.80	0.13	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1016	9.5	U	16	5.2	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1221	12	U	16	7.1	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1232	5.7	U	16	2.5	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1242	4.7	U	16	2.4	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1248	7.6	U	16	3.9	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1254	12	U	16	4.7	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
PCB-1260	9.5	U	16	4.5	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Toxaphene	6.2	U M	80	2.6	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
4,4'-DDD	0.19	U	0.80	0.085	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
4,4'-DDE	0.19	U	0.80	0.085	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
4,4'-DDT	0.19	U	0.80	0.10	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
Aldrin	0.19	U	0.80	0.071	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
alpha-BHC	0.19	U	0.80	0.066	ug/Kg		06/02/20 11:00	06/05/20 18:07	1
beta-BHC	0.28	U	0.80	0.16	ug/Kg		06/02/20 11:00	06/05/20 18:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*44 - 129*	*06/02/20 11:00*	*06/05/20 18:07*	*1*
Tetrachloro-m-xylene	*65*		*42 - 129*	*06/02/20 11:00*	*06/05/20 18:07*	*1*

Lab Sample ID: LCS 680-620836/6-A
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	3.33	2.98		ug/Kg		89	47 - 139
Dieldrin	3.33	3.15		ug/Kg		95	56 - 136
Endosulfan I	3.33	2.74		ug/Kg		82	53 - 132
Endosulfan II	3.33	2.91		ug/Kg		87	53 - 134
Endosulfan sulfate	3.33	3.02		ug/Kg		91	55 - 136
Endrin	3.33	2.96		ug/Kg		89	57 - 140
Endrin aldehyde	3.33	2.25		ug/Kg		67	35 - 137
Endrin ketone	3.33	3.46		ug/Kg		104	55 - 136
gamma-BHC (Lindane)	3.33	2.99		ug/Kg		90	49 - 135
Heptachlor	3.33	2.86		ug/Kg		86	47 - 136
Heptachlor epoxide	3.33	2.92		ug/Kg		88	52 - 136
Methoxychlor	3.33	3.15		ug/Kg		95	52 - 143
4,4'-DDD	3.33	3.02		ug/Kg		91	56 - 139
4,4'-DDE	3.33	3.05		ug/Kg		92	56 - 134
4,4'-DDT	3.33	3.16		ug/Kg		95	50 - 141

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-620836/6-A
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	3.33	2.92		ug/Kg		88	45 - 136
alpha-BHC	3.33	2.92		ug/Kg		88	45 - 137
beta-BHC	3.33	2.85		ug/Kg		86	50 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*44 - 129*
Tetrachloro-m-xylene	*76*		*42 - 129*

Lab Sample ID: LCS 680-620836/9-A
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	198	152	M	ug/Kg		77	47 - 134
PCB-1260	198	175	M	ug/Kg		88	53 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*44 - 129*
Tetrachloro-m-xylene	*73*	*M*	*42 - 129*

Lab Sample ID: 680-184331-1 MS
Matrix: Solid
Analysis Batch: 621430

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 620836

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.28	U M	4.48	3.79	M	ug/Kg	☼	85	47 - 139
Dieldrin	0.28	U	4.48	3.56		ug/Kg	☼	79	56 - 136
Endosulfan I	0.28	U	4.48	2.95		ug/Kg	☼	66	53 - 132
Endosulfan II	0.28	U	4.48	2.83		ug/Kg	☼	63	53 - 134
Endosulfan sulfate	0.28	U M	4.48	2.66		ug/Kg	☼	59	55 - 136
Endrin	0.28	U	4.48	3.32		ug/Kg	☼	74	57 - 140
Endrin aldehyde	0.28	U	4.48	1.83		ug/Kg	☼	41	35 - 137
Endrin ketone	0.28	U Q	4.48	2.96		ug/Kg	☼	66	55 - 136
gamma-BHC (Lindane)	0.28	U	4.48	3.47		ug/Kg	☼	77	49 - 135
Heptachlor	0.28	U Q	4.48	3.75	M	ug/Kg	☼	84	47 - 136
Heptachlor epoxide	0.28	U M	4.48	3.04		ug/Kg	☼	68	52 - 136
Methoxychlor	0.42	U J1 Q	4.48	2.02	J1	ug/Kg	☼	45	52 - 143
4,4'-DDD	0.28	U	4.48	3.52		ug/Kg	☼	79	56 - 139
4,4'-DDE	0.40	J	4.48	3.39		ug/Kg	☼	67	56 - 134
4,4'-DDT	0.36	J1 Q	4.48	1.97	J1	ug/Kg	☼	36	50 - 141
Aldrin	0.28	U M	4.48	3.36		ug/Kg	☼	75	45 - 136
alpha-BHC	0.28	U M	4.48	3.81		ug/Kg	☼	85	45 - 137
beta-BHC	0.42	U M	4.48	3.94	M	ug/Kg	☼	88	50 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*44 - 129*
Tetrachloro-m-xylene	*65*		*42 - 129*

Method: 8081B 8082A - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-184331-1 MSD — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621430 — **Prep Batch: 620836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC	0.28	U M	4.69	4.67	M	ug/Kg	☼	100	47 - 139	21	30
Dieldrin	0.28	U	4.69	3.60		ug/Kg	☼	77	56 - 136	1	30
Endosulfan I	0.28	U	4.69	3.24		ug/Kg	☼	69	53 - 132	9	30
Endosulfan II	0.28	U	4.69	3.44		ug/Kg	☼	73	53 - 134	19	30
Endosulfan sulfate	0.28	U M	4.69	3.03		ug/Kg	☼	65	55 - 136	13	30
Endrin	0.28	U	4.69	3.97		ug/Kg	☼	85	57 - 140	18	30
Endrin aldehyde	0.28	U	4.69	2.13		ug/Kg	☼	45	35 - 137	15	30
Endrin ketone	0.28	U Q	4.69	2.94		ug/Kg	☼	63	55 - 136	1	30
gamma-BHC (Lindane)	0.28	U	4.69	4.13	M	ug/Kg	☼	88	49 - 135	17	30
Heptachlor	0.28	U Q	4.69	4.31	M	ug/Kg	☼	92	47 - 136	14	30
Heptachlor epoxide	0.28	U M	4.69	3.11		ug/Kg	☼	66	52 - 136	3	30
Methoxychlor	0.42	U J1 Q	4.69	1.52	J1	ug/Kg	☼	32	52 - 143	28	30
4,4'-DDD	0.28	U	4.69	4.36		ug/Kg	☼	93	56 - 139	21	30
4,4'-DDE	0.40	J	4.69	3.68		ug/Kg	☼	70	56 - 134	8	30
4,4'-DDT	0.36	J1 Q	4.69	1.47	J1	ug/Kg	☼	24	50 - 141	29	30
Aldrin	0.28	U M	4.69	3.47		ug/Kg	☼	74	45 - 136	3	30
alpha-BHC	0.28	U M	4.69	4.55	M	ug/Kg	☼	97	45 - 137	18	30
beta-BHC	0.42	U M	4.69	4.52	M	ug/Kg	☼	96	50 - 136	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*56*		*44 - 129*
Tetrachloro-m-xylene	*63*	*M*	*42 - 129*

Method: 8330 Modified - Nitroguanidine (HPLC)

Lab Sample ID: MB 320-382486/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitroguanidine	0.040	U M	0.25	0.020	mg/Kg		06/02/20 08:11	06/05/20 11:49	1

Lab Sample ID: LCS 320-382486/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitroguanidine	1.00	1.22	M Q	mg/Kg		122	72 - 121

Lab Sample ID: 680-184331-1 MS — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitroguanidine	0.040	U M J1	0.966	0.476	M J1	mg/Kg		23	72 - 121

Method: 8330 Modified - Nitroguanidine (HPLC) (Continued)

Lab Sample ID: 680-184331-1 MSD — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitroguanidine	0.040	U M J1	0.976	0.427	M J1	mg/Kg		18	72 - 121	11	20

Lab Sample ID: 680-184331-1 DU — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Nitroguanidine	0.040	U M J1		0.039	U M	mg/Kg				NC	20

Lab Sample ID: 680-184331-1 TRL — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 383739 — **Prep Batch: 382486**

Analyte	Sample Result	Sample Qualifier		TRL Result	TRL Qualifier	Unit	D			RSD	RSD Limit
Nitroguanidine	0.040	U M J1		0.039	U M	mg/Kg				NC	

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Lab Sample ID: MB 200-155457/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 155534 — **Prep Batch: 155457**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene	*82*	*M*	*78 - 119*	*06/04/20 15:00*	*06/09/20 13:56*	*1*

Lab Sample ID: MB 200-155457/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 155614 — **Prep Batch: 155457**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
HMX	50	U	100	13	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
RDX	50	U	100	17	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
1,3,5-Trinitrobenzene	50	U	100	20	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
1,3-Dinitrobenzene	50	U	100	9.5	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
Nitrobenzene	50	U	100	18	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
Tetryl	50	U	100	45	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
Nitroglycerin	1000	U	2000	650	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
2,4,6-Trinitrotoluene	50	U	100	36	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
4-Amino-2,6-dinitrotoluene	50	U	100	15	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
2-Amino-4,6-dinitrotoluene	50	U	100	21	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
2,6-Dinitrotoluene	50	U	100	13	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
2,4-Dinitrotoluene	50	U	100	45	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
2-Nitrotoluene	130	U	200	29	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
4-Nitrotoluene	130	U	200	96	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
3-Nitrotoluene	130	U M	200	120	ug/Kg		06/04/20 15:00	06/10/20 05:51	1
PETN	4000	U	5000	1500	ug/Kg		06/04/20 15:00	06/10/20 05:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dinitrobenzene	*83*	*M*	*78 - 119*	*06/04/20 15:00*	*06/10/20 05:51*	*1*

Method: 8330B - Nitroaromatics and Nitramines (HPLC)

Lab Sample ID: LCS 200-155457/2-B
Matrix: Solid
Analysis Batch: 155534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 155457

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dinitrobenzene	*86*	*M*	*78 - 119*

Lab Sample ID: LCS 200-155457/2-B
Matrix: Solid
Analysis Batch: 155614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 155457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HMX	2000	1860	M	ug/Kg		93	74 - 124
RDX	2000	1750		ug/Kg		88	67 - 129
1,3,5-Trinitrobenzene	2000	1960	M	ug/Kg		98	80 - 116
1,3-Dinitrobenzene	2000	1810	M	ug/Kg		90	73 - 119
Nitrobenzene	2000	1730	M	ug/Kg		87	67 - 129
Tetryl	2000	1800	J1 M	ug/Kg		90	68 - 135
Nitroglycerin	40000	39000	M	ug/Kg		98	73 - 124
2,4,6-Trinitrotoluene	2000	1760	M	ug/Kg		88	71 - 120
4-Amino-2,6-dinitrotoluene	2000	1730	M	ug/Kg		86	64 - 127
2-Amino-4,6-dinitrotoluene	2000	1780	M	ug/Kg		89	71 - 123
2,6-Dinitrotoluene	2000	1670	M	ug/Kg		83	79 - 117
2,4-Dinitrotoluene	2000	1700	J1 M	ug/Kg		85	75 - 121
2-Nitrotoluene	2000	1610		ug/Kg		80	70 - 124
4-Nitrotoluene	2000	1810	J1 M	ug/Kg		91	71 - 124
3-Nitrotoluene	2000	1790	J1	ug/Kg		90	67 - 129
PETN	40000	35300		ug/Kg		88	72 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dinitrobenzene	*91*	*M*	*78 - 119*

Lab Sample ID: LCSD 200-155457/3-B
Matrix: Solid
Analysis Batch: 155534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 155457

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dinitrobenzene	*87*	*M*	*78 - 119*

Lab Sample ID: LCSD 200-155457/3-B
Matrix: Solid
Analysis Batch: 155614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 155457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HMX	2000	1880	M	ug/Kg		94	74 - 124	1	20
RDX	2000	1770	M	ug/Kg		89	67 - 129	1	20
1,3,5-Trinitrobenzene	2000	1980	M	ug/Kg		99	80 - 116	1	20
1,3-Dinitrobenzene	2000	1840	M	ug/Kg		92	73 - 119	1	20
Nitrobenzene	2000	1760	M	ug/Kg		88	67 - 129	2	20
Tetryl	2000	1830	J1 M	ug/Kg		92	68 - 135	2	20
Nitroglycerin	40000	39100	M	ug/Kg		98	73 - 124	0	20
2,4,6-Trinitrotoluene	2000	1780	M	ug/Kg		89	71 - 120	1	20
4-Amino-2,6-dinitrotoluene	2000	1760	M	ug/Kg		88	64 - 127	2	20

Method: 8330B - Nitroaromatics and Nitramines (HPLC) (Continued)

Lab Sample ID: LCSD 200-155457/3-B
Matrix: Solid
Analysis Batch: 155614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 155457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Amino-4,6-dinitrotoluene	2000	1790	M	ug/Kg		89	71 - 123	1	20
2,6-Dinitrotoluene	2000	1610	M	ug/Kg		81	79 - 117	3	20
2,4-Dinitrotoluene	2000	1770	J1 M	ug/Kg		88	75 - 121	4	20
2-Nitrotoluene	2000	1650	M	ug/Kg		83	70 - 124	3	20
4-Nitrotoluene	2000	1850	J1 M	ug/Kg		92	71 - 124	2	20
3-Nitrotoluene	2000	1800	J1 M	ug/Kg		90	67 - 129	1	20
PETN	40000	35900		ug/Kg		90	72 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dinitrobenzene	*92*	*M*	*78 - 119*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-620359/1-A
Matrix: Solid
Analysis Batch: 620448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620359

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.15	U	0.99	0.059	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Aluminum	8.9	U	20	3.1	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Arsenic	2.0	U	2.0	0.79	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Barium	0.40	U	0.99	0.16	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Beryllium	0.030	U	0.40	0.0099	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Calcium	15	U	50	5.1	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Cadmium	0.30	U	0.50	0.099	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Cobalt	0.30	U	0.99	0.099	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Chromium	0.509	J	0.99	0.21	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Copper	0.50	U	2.5	0.17	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Iron	15	U	20	5.2	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Potassium	2.95	J	99	2.5	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Magnesium	25	U	50	8.8	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Manganese	0.30	U	0.99	0.099	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Sodium	99	U	200	48	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Nickel	0.99	U	4.0	0.38	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Lead	0.99	U	0.99	0.34	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Antimony	2.0	U	2.0	0.81	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Selenium	2.0	U	2.5	0.96	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Thallium	1.5	U	2.5	0.59	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Vanadium	0.30	U	0.99	0.099	mg/Kg		05/29/20 08:38	05/29/20 12:06	1
Zinc	2.0	U	2.0	0.69	mg/Kg		05/29/20 08:38	05/29/20 12:06	1

Lab Sample ID: LCS 680-620359/2-A
Matrix: Solid
Analysis Batch: 620448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	4.59	4.43		mg/Kg		97	82 - 112
Aluminum	459	420		mg/Kg		91	74 - 119
Arsenic	9.17	8.20		mg/Kg		89	82 - 111

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-620359/2-A
Matrix: Solid
Analysis Batch: 620448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	9.17	8.89		mg/Kg		97	83 - 113
Beryllium	4.59	4.72		mg/Kg		103	83 - 113
Calcium	459	448		mg/Kg		98	81 - 116
Cadmium	4.59	4.70		mg/Kg		103	82 - 113
Cobalt	4.59	4.66		mg/Kg		101	85 - 112
Chromium	9.17	8.87		mg/Kg		97	85 - 113
Copper	9.17	8.75		mg/Kg		95	81 - 117
Iron	460	431		mg/Kg		94	81 - 118
Potassium	734	637		mg/Kg		87	81 - 116
Magnesium	459	421		mg/Kg		92	78 - 115
Manganese	36.7	35.0		mg/Kg		95	84 - 114
Sodium	462	423		mg/Kg		92	83 - 118
Nickel	9.13	8.74		mg/Kg		96	83 - 113
Lead	41.7	38.9		mg/Kg		93	81 - 112
Antimony	4.58	4.29		mg/Kg		94	79 - 114
Selenium	9.21	9.19		mg/Kg		100	78 - 111
Thallium	3.67	3.56		mg/Kg		97	83 - 111
Vanadium	9.16	8.82		mg/Kg		96	82 - 114
Zinc	9.22	8.57		mg/Kg		93	82 - 113

Lab Sample ID: LCSD 680-620359/3-A
Matrix: Solid
Analysis Batch: 620448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 620359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	4.90	4.69		mg/Kg		96	82 - 112	6	20
Aluminum	490	448		mg/Kg		91	74 - 119	7	20
Arsenic	9.80	8.89		mg/Kg		91	82 - 111	8	20
Barium	9.80	9.56		mg/Kg		97	83 - 113	7	20
Beryllium	4.90	5.05		mg/Kg		103	83 - 113	7	20
Calcium	490	468		mg/Kg		96	81 - 116	5	20
Cadmium	4.90	5.02		mg/Kg		102	82 - 113	7	20
Cobalt	4.91	5.09		mg/Kg		104	85 - 112	9	20
Chromium	9.80	9.44		mg/Kg		96	85 - 113	6	20
Copper	9.80	9.32		mg/Kg		95	81 - 117	6	20
Iron	491	489		mg/Kg		100	81 - 118	13	20
Potassium	784	677		mg/Kg		86	81 - 116	6	20
Magnesium	491	450		mg/Kg		92	78 - 115	7	20
Manganese	39.2	37.3		mg/Kg		95	84 - 114	6	20
Sodium	494	456		mg/Kg		92	83 - 118	8	20
Nickel	9.75	9.35		mg/Kg		96	83 - 113	7	20
Lead	44.5	41.1		mg/Kg		92	81 - 112	5	20
Antimony	4.90	4.27		mg/Kg		87	79 - 114	0	20
Selenium	9.84	8.95		mg/Kg		91	78 - 111	3	20
Thallium	3.92	3.70		mg/Kg		94	83 - 111	4	20
Vanadium	9.78	9.39		mg/Kg		96	82 - 114	6	20
Zinc	9.85	9.77		mg/Kg		99	82 - 113	13	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 680-621099/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621284 — **Prep Batch: 621099**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.020	U	0.020	0.0078	mg/Kg		06/03/20 13:14	06/04/20 11:39	1

Lab Sample ID: LCS 680-621099/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621284 — **Prep Batch: 621099**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.231	0.237		mg/Kg		102	82 - 119

Lab Sample ID: 680-184331-1 MS — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621284 — **Prep Batch: 621099**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.16	J1	0.126	0.222	J1	mg/Kg	☼	45	82 - 119

Lab Sample ID: 680-184331-1 MSD — **Client Sample ID: BF-200520**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621284 — **Prep Batch: 621099**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.16	J1	0.124	0.208	J1	mg/Kg	☼	35	82 - 119	7	20

Method: 9045D - pH

Lab Sample ID: LCS 680-621201/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 621201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.01	7.0		SU		100	79 - 126

Method: WS-WC-0050 - Nitrocellulose

Lab Sample ID: MB 320-384890/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385604 — **Prep Batch: 385494**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	0.857	J	5.0	0.78	mg/Kg		06/10/20 10:30	06/11/20 12:04	1

Lab Sample ID: LCS 320-384890/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 385604 — **Prep Batch: 385494**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	50.6	27.0		mg/Kg		53	34 - 115

Method: WS-WC-0050 - Nitrocellulose (Continued)

Lab Sample ID: 680-184331-1 MS
Matrix: Solid
Analysis Batch: 385604

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 385494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	2.0	J1	69.1	10.6	J1	mg/Kg	☼	12	34 - 115

Lab Sample ID: 680-184331-1 MSD
Matrix: Solid
Analysis Batch: 385604

Client Sample ID: BF-200520
Prep Type: Total/NA
Prep Batch: 385494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrocellulose	2.0	J1	71.3	9.89	J1	mg/Kg	☼	11	34 - 115	7	71

QC Association Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

GC/MS VOA

Analysis Batch: 620830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8260B	620914
MB 680-620830/9	Method Blank	Total/NA	Solid	8260B	
LCS 680-620830/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-620830/6	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 620914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 620995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	3546	
MB 680-620995/2-A	Method Blank	Total/NA	Solid	3546	
LCS 680-620995/3-A	Lab Control Sample	Total/NA	Solid	3546	
680-184331-1 MS	BF-200520	Total/NA	Solid	3546	
680-184331-1 MSD	BF-200520	Total/NA	Solid	3546	

Analysis Batch: 621055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8270D	620995
MB 680-620995/2-A	Method Blank	Total/NA	Solid	8270D	620995
LCS 680-620995/3-A	Lab Control Sample	Total/NA	Solid	8270D	620995
680-184331-1 MS	BF-200520	Total/NA	Solid	8270D	620995
680-184331-1 MSD	BF-200520	Total/NA	Solid	8270D	620995

GC Semi VOA

Prep Batch: 620836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	3546	
MB 680-620836/5-A	Method Blank	Total/NA	Solid	3546	
LCS 680-620836/6-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-620836/9-A	Lab Control Sample	Total/NA	Solid	3546	
680-184331-1 MS	BF-200520	Total/NA	Solid	3546	
680-184331-1 MSD	BF-200520	Total/NA	Solid	3546	

Analysis Batch: 621430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8081B 8082A	620836
MB 680-620836/5-A	Method Blank	Total/NA	Solid	8081B 8082A	620836
LCS 680-620836/6-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	620836
LCS 680-620836/9-A	Lab Control Sample	Total/NA	Solid	8081B 8082A	620836
680-184331-1 MS	BF-200520	Total/NA	Solid	8081B 8082A	620836
680-184331-1 MSD	BF-200520	Total/NA	Solid	8081B 8082A	620836

HPLC/IC

Prep Batch: 155457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8330	

HPLC/IC (Continued)

Prep Batch: 155457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 200-155457/1-B	Method Blank	Total/NA	Solid	8330	
LCS 200-155457/2-B	Lab Control Sample	Total/NA	Solid	8330	
LCSD 200-155457/3-B	Lab Control Sample Dup	Total/NA	Solid	8330	

Cleanup Batch: 155499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	Prep Dilution	155457
MB 200-155457/1-B	Method Blank	Total/NA	Solid	Prep Dilution	155457
LCS 200-155457/2-B	Lab Control Sample	Total/NA	Solid	Prep Dilution	155457
LCSD 200-155457/3-B	Lab Control Sample Dup	Total/NA	Solid	Prep Dilution	155457

Analysis Batch: 155534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8330B	155499
MB 200-155457/1-B	Method Blank	Total/NA	Solid	8330B	155499
LCS 200-155457/2-B	Lab Control Sample	Total/NA	Solid	8330B	155499
LCSD 200-155457/3-B	Lab Control Sample Dup	Total/NA	Solid	8330B	155499

Analysis Batch: 155614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8330B	155499
MB 200-155457/1-B	Method Blank	Total/NA	Solid	8330B	155499
LCS 200-155457/2-B	Lab Control Sample	Total/NA	Solid	8330B	155499
LCSD 200-155457/3-B	Lab Control Sample Dup	Total/NA	Solid	8330B	155499

Prep Batch: 382486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	Sieve/Ultrasoni	
MB 320-382486/1-A	Method Blank	Total/NA	Solid	Sieve/Ultrasoni	
LCS 320-382486/2-A	Lab Control Sample	Total/NA	Solid	Sieve/Ultrasoni	
680-184331-1 MS	BF-200520	Total/NA	Solid	Sieve/Ultrasoni	
680-184331-1 MSD	BF-200520	Total/NA	Solid	Sieve/Ultrasoni	
680-184331-1 DU	BF-200520	Total/NA	Solid	Sieve/Ultrasoni	
680-184331-1 TRL	BF-200520	Total/NA	Solid	Sieve/Ultrasoni	

Analysis Batch: 383739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	8330 Modified	382486
MB 320-382486/1-A	Method Blank	Total/NA	Solid	8330 Modified	382486
LCS 320-382486/2-A	Lab Control Sample	Total/NA	Solid	8330 Modified	382486
680-184331-1 MS	BF-200520	Total/NA	Solid	8330 Modified	382486
680-184331-1 MSD	BF-200520	Total/NA	Solid	8330 Modified	382486
680-184331-1 DU	BF-200520	Total/NA	Solid	8330 Modified	382486
680-184331-1 TRL	BF-200520	Total/NA	Solid	8330 Modified	382486

Metals

Prep Batch: 620359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	3050B	
MB 680-620359/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 620359 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-620359/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 680-620359/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 620448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	6010C	620359
MB 680-620359/1-A	Method Blank	Total/NA	Solid	6010C	620359
LCS 680-620359/2-A	Lab Control Sample	Total/NA	Solid	6010C	620359
LCSD 680-620359/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	620359

Prep Batch: 621099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	7471B	
MB 680-621099/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 680-621099/13-A	Lab Control Sample	Total/NA	Solid	7471B	
680-184331-1 MS	BF-200520	Total/NA	Solid	7471B	
680-184331-1 MSD	BF-200520	Total/NA	Solid	7471B	

Analysis Batch: 621284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	7471B	621099
MB 680-621099/12-A	Method Blank	Total/NA	Solid	7471B	621099
LCS 680-621099/13-A	Lab Control Sample	Total/NA	Solid	7471B	621099
680-184331-1 MS	BF-200520	Total/NA	Solid	7471B	621099
680-184331-1 MSD	BF-200520	Total/NA	Solid	7471B	621099

General Chemistry

Pre Prep Batch: 384890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	353.2 (NCell)	
MB 320-384890/1-B	Method Blank	Total/NA	Solid	353.2 (NCell)	
LCS 320-384890/2-B	Lab Control Sample	Total/NA	Solid	353.2 (NCell)	
680-184331-1 MS	BF-200520	Total/NA	Solid	353.2 (NCell)	
680-184331-1 MSD	BF-200520	Total/NA	Solid	353.2 (NCell)	

Prep Batch: 385494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	353 (NCell-Hyd)	384890
MB 320-384890/1-B	Method Blank	Total/NA	Solid	353 (NCell-Hyd)	384890
LCS 320-384890/2-B	Lab Control Sample	Total/NA	Solid	353 (NCell-Hyd)	384890
680-184331-1 MS	BF-200520	Total/NA	Solid	353 (NCell-Hyd)	384890
680-184331-1 MSD	BF-200520	Total/NA	Solid	353 (NCell-Hyd)	384890

Analysis Batch: 385604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	WS-WC-0050	385494
MB 320-384890/1-B	Method Blank	Total/NA	Solid	WS-WC-0050	385494
LCS 320-384890/2-B	Lab Control Sample	Total/NA	Solid	WS-WC-0050	385494
680-184331-1 MS	BF-200520	Total/NA	Solid	WS-WC-0050	385494
680-184331-1 MSD	BF-200520	Total/NA	Solid	WS-WC-0050	385494

QC Association Summary

Client: PARS Environmental Inc
Job ID: 680-184331-1
Project/Site: Camp Ravenna

General Chemistry

Analysis Batch: 620352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	Moisture	

Analysis Batch: 621201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184331-1	BF-200520	Total/NA	Solid	9045D	
LCS 680-621201/1	Lab Control Sample	Total/NA	Solid	9045D	

Client Sample ID: BF-200520

Lab Sample ID: 680-184331-1

Date Collected: 05/20/20 13:30

Matrix: Solid

Date Received: 05/28/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Sieve/Ultrasoni			2.02 g	10 mL	382486	06/02/20 08:11	JFA	TAL SAC
Total/NA	Analysis	8330 Modified		1			383739	06/05/20 12:20	AO	TAL SAC
	Instrument ID:	LC13								
Total/NA	Prep	8330			10.04 g	20 mL	155457	06/04/20 15:00	MJW	TAL BUR
Total/NA	Cleanup	Prep Dilution			2 mL	10 mL	155499	06/05/20 10:30	MJW	TAL BUR
Total/NA	Analysis	8330B		1			155614	06/10/20 07:45	AK1	TAL BUR
	Instrument ID:	CH1208								
Total/NA	Prep	8330			10.04 g	20 mL	155457	06/04/20 15:00	MJW	TAL BUR
Total/NA	Cleanup	Prep Dilution			2 mL	10 mL	155499	06/05/20 10:30	MJW	TAL BUR
Total/NA	Analysis	8330B		1			155534	06/09/20 15:43	N1M	TAL BUR
	Instrument ID:	CH1488								
Total/NA	Analysis	9045D		1	20.55 g	20 mL	621201	06/04/20 10:02	SM	TAL SAV
	Instrument ID:	CMSE								
Total/NA	Analysis	Moisture		1			620352	05/29/20 08:05	JEB	TAL SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: BF-200520

Lab Sample ID: 680-184331-1

Date Collected: 05/20/20 13:30

Matrix: Solid

Date Received: 05/28/20 11:00

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.76 g	5 mL	620914	06/02/20 14:50	DS	TAL SAV
Total/NA	Analysis	8260B		1	5 g	5 g	620830	06/02/20 17:58	EMA	TAL SAV
	Instrument ID:	CMSS								
Total/NA	Prep	3546			15.60 g	1 mL	620995	06/03/20 09:14	CH	TAL SAV
Total/NA	Analysis	8270D		1			621055	06/03/20 20:49	T1C	TAL SAV
	Instrument ID:	CMSG								
Total/NA	Prep	3546			15.23 g	5 mL	620836	06/02/20 11:00	CH	TAL SAV
Total/NA	Analysis	8081B 8082A		1			621430	06/05/20 21:13	JCK	TAL SAV
	Instrument ID:	CSGAA								
Total/NA	Prep	3050B			1.04 g	100 mL	620359	05/29/20 08:39	BJB	TAL SAV
Total/NA	Analysis	6010C		1			620448	05/29/20 13:02	BCB	TAL SAV
	Instrument ID:	ICPE								
Total/NA	Prep	7471B			0.57 g	50 mL	621099	06/03/20 13:14	JKL	TAL SAV
Total/NA	Analysis	7471B		1			621284	06/04/20 11:47	BWR	TAL SAV
	Instrument ID:	LEEMAN2								
Total/NA	Pre Prep	353.2 (NCell)			10.31 g	45 mL	384890	06/09/20 14:37	JCB	TAL SAC
Total/NA	Prep	353 (NCell-Hyd)			45 mL	40 mL	385494	06/10/20 10:30	JCB	TAL SAC
Total/NA	Analysis	WS-WC-0050		1			385604	06/11/20 12:18	TCS	TAL SAC
	Instrument ID:	FS4								

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2463	09-22-22

Laboratory: Eurofins TestAmerica, Burlington

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
Florida	NELAP	E87467	06-30-20
Minnesota	NELAP	050-999-436	12-31-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	06-30-20
New York	NELAP	10391	04-01-21
Pennsylvania	NELAP	68-00489	04-30-21
Rhode Island	State	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00272	08-09-20
Vermont	State	VT4000	12-31-20
Virginia	NELAP	460209	12-14-20
Wisconsin	State	399133350	08-31-20

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2468	01-20-21

Method Summary

Client: PARS Environmental Inc
Project/Site: Camp Ravenna

Job ID: 680-184331-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B 8082A	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8330 Modified	Nitroguanidine (HPLC)	SW846	TAL SAC
8330B	Nitroaromatics and Nitramines (HPLC)	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury (CVAA)	SW846	TAL SAV
9045D	pH	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV
WS-WC-0050	Nitrocellulose	TAL-SAC	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAV
353 (NCell-Hyd)	Nitrocellulose Sample Preparation (Hydrolysis)	MCAWW	TAL SAC
353.2 (NCell)	Nitrocellulose Sample Preparation	MCAWW	TAL SAC
3546	Microwave Extraction	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7471B	Preparation, Mercury	SW846	TAL SAV
8330	Soil Extraction Procedure	SW846	TAL BUR
Prep Dilution	Preparation Dilution Process	None	TAL BUR
Sieve/Ultrasoni	Sieve and Ultrasonic Water Bath Extraction (Explosives)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

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

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record 447247

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Cody Postlethwait	Site Contact:	Date:	COC No:
Company Name: PARS Environmental	Tel/Email:	Lab Contact:	Carrier:	___ of ___ COCs
Address: 500 Horizon Drive	Analysis Turnaround Time			Sampler:
City/State/Zip: Robbinsville, NJ	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 609-890-7277	TAT if different from Below 10 Day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Camp Ravenna	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# 895-35	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	TCL SVOCs	TCL Pesticides	PCBs	Explosives	Nitroglycerine	Nitro-Guanidine	Nitrocellulose	TAL Metals	pH	Sample Specific Notes:
BF-200520	5/20/20	1330	C	Soil	9			X	X	X	X	X	X	X	X	X	X	

680-184331-01 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

C Bauda 05-28-20 1100

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Cody Postlethwait	PARS		[illegible]	ETA	5/22/20 12:05
[illegible]	Eli	5/22/20 1630	Usaiah D	ETA	5/22/20 1630
[illegible]	~~ETA~~ Eli	5/27/20 1800	Received in Laboratory by:	1.6 (CF)	2.0c

NO CL JLAN -2.6

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

680-184331 Chain of Custody

Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smith, Kathryn E	21.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kathy.smith@testamericainc.com	Ohio
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): DoD - ANAB; DoD ELAP - ANAB	Page 1 of 1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/9/2020		Job #: 680-184331-1
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: Camp Ravenna	Project #: 68023831		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Number of containers (Kg or L NO)	Perform MS/MSD (Y or N)	8330B_DOD5/8330_P_Soil (MOD) Explosives, Standard List + Nitrog	Special Instructions/Note:
Preservation Code:								
BF-200520 (680-184331-1)	5/20/20	13:30 Eastern		Solid			X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 6-2-20 1600	Company TA	Received by:		Date/Time: 6/3/20 10:30	Company TABGBL
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1167152		Cooler Temperature(s) °C and Other Remarks: 1.7			

Ver: 01/16/2019

RT 916 1 A
FZ 917 10:30 7886
06.03

334-7858

SHIP DATE: 02JUN20
ACTWGT: 10.00 LB
CAD: 0801261/CAFE3911

BILL RECIPIENT

TAMERICA
ROUCHE AVE
SAVANNAH, GA 31404
UNITED STATES US

TO

TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990

INV:
PO:
REF:
DEPT:

FedEx Express

WED - 03 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1328 9409 7886

XH BTVA

05403
VT - US BTV

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-612632.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kathy.smith@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): DoD - ANAB; DoD ELAP - ANAB		Job #: 680-184331-1
Address: 880 Riverside Parkway,	Due Date Requested: 6/9/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Camp Ravenna	Project #: 68023831			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330_NGu/8330_P_2g Nitroguanidine Only	353.2_Nitrocell/NCEL_Prep_S	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
BF-200520 (680-184331-1)	5/20/20	13:30 Eastern		Solid			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5-22-20 1600	TA		5/20/20 - 910	ETASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 1167122	Cooler Temperature(s) °C and Other Remarks: 1.7

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

680-184331 Field Sheet

Job:____

Tracking #: 1328-9409-7647

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: AK-5 Corr. Factor: (+/-) 0 °C

Ice ✓ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1167122

Cooler ID: 1043

Temp Observed: 1.7 °C Corrected: 1.7 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Samples received within holding time?	☑	☐	☐

Initials: JL Date: 5/30/20

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified? DW 5/30/20	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DK Date: 5/30/20

Notes:

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DK Date: 5/30/20

Login Sample Receipt Checklist

Client: PARS Environmental Inc

Job Number: 680-184331-1

Login Number: 184331

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: PARS Environmental Inc

Job Number: 680-184331-1

Login Number: 184331
List Number: 3
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington
List Creation: 06/03/20 12:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1167152
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: PARS Environmental Inc

Job Number: 680-184331-1

Login Number: 184331
List Number: 2
Creator: Her, David A

List Source: Eurofins TestAmerica, Sacramento
List Creation: 05/30/20 12:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1167122
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX F

Ohio EPA Correspondence

NATIONAL GUARD BUREAU
111 SOUTH GEORGE MASON DRIVE
ARLINGTON VA 22204-1373

June 24, 2020

Ohio Environmental Protection Agency
DERR-NEDO
Attn: Mr. Ed D'Amato
2110 East Aurora Road
Twinsburg, OH 44087-1924

Subject: Notification of Field Work, Ravenna Army Ammunition Plant (RVAAP) Restoration Program, Portage/Trumbull Counties, Non Time-Critical Removal Action for CC RVAAP-78 Quarry Pond Surface Dump. (Ohio EPA Work Flow Activity #267000859216)

Dear Mr. D'Amato:

In accordance with the Director's Final Findings and Orders, Section XIII, #28, for the RVAAP Restoration Program, the Army National Guard (ARNG) is providing notification of field activities at Camp James A. Garfield / former RVAAP 15 days prior to the scheduled start date. PARS will be conducting the Non Time-Critical Removal Action for CC RVAAP-78 Quarry Pond Surface Dump during the week of 20 July 2020.

For additional information on the field activities, please refer to the *Final Work Plan, Non Time-Critical Removal Action for CC RVAAP-78 Quarry Pond Surface Dump* submitted to Ohio EPA on 1 June 2020 and approved on 4 June 2020.

Please contact the undersigned at (330) 235-2153 or kevin.m.sedlak.civ@mail.mil if there are issues or concerns with this submission.

Sincerely,

SEDLAK.KEVIN.MICHAEL.1254440171 Digitally signed by SEDLAK.KEVIN.MICHAEL.1254440171 Date: 2020.06.24 10:35:09 -04'00'

Mr. Kevin Sedlak
RVAAP Restoration Program Manager
Army National Guard Directorate

cc: Bob Princic, Ohio EPA, NEDO, DERR
Tom Schneider, Ohio EPA, SWDO
Natalie Oryshkewych, Ohio EPA, NEDO
Katie Tait, OHARNG, Camp James A. Garfield
Rachel Williams, USACE Louisville
Craig Coombs, USACE Louisville
Nathaniel Peters, USACE Louisville
Jennifer Tierney, Vista Sciences Corporation
Pat Ryan, Leidos - REIMS

Field Change Request (FCR)

FCR NO. 3

DATE INITIATED: June 18 2020
Revised June 22, 2020 with revised Table

PROJECT Non Time-Critical Removal Action for CC RVAAP-67 Facility-Wide Sewers and CC RVAAP-75 George Road Sewage Treatment Plant, Ravenna Army Ammunition Plant Restoration Program

CONTRACT NO W912QR-12-D-0006

REQUESTOR IDENTIFICATION

NAME Cody Postlethwait ORGANIZATION PARS-Gannett Fleming Joint-Venture PHONE 609 890 7277

TITLE Project Manager SIGNATURE Cody Postlethwait

BASELINE IDENTIFICATION

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

AFFECTED DOCUMENTS (TITLE, NUMBER AND SECTION):

Final Work Plan – Non Time-Critical Removal Action for CC RVAAP-67 Facility-Wide Sewers and CC RVAAP-75 George Road Sewage Treatment Plant Ravenna Army Ammunition Plant Restoration Program, Subsection 3.3.3.

DESCRIPTION OF CHANGE:

Subsection 3.3.3 *Load Line 2 FA Site Restoration* – The section references fill material (sampled via subsection 3.3.1 *Waste Characterization Sampling*) however, no analytical data was provided on the fill material intended to be used. PARS identified and sampled a backfill source at Oscar Brugmann Sand and Gravel, Inc. located at 3828 Dudley Road in Mantua, Ohio.

1. All pesticides, herbicides, PCBs, explosives, VOCs and SVOCs were either non detectable or had estimated concentrations.
2. All metal analyte concentrations were below the screening level and the background criteria, except for aluminum which is identified as a plant nutrient.

Tabulated analytical data is attached to this FCR.
Additional Details of the sampling activities will be presented in the Remedial Action Report.

JUSTIFICATION:

The justification of this FCR is to obtain approval of using the fill material from Oscar Brugmann Sand and Gravel, Inc. identified above and sampled per the requirement of this remedial action.

IMPACT OF NOT IMPLEMENTING REQUEST

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

PARTICIPANTS AFFECTED BY IMPLEMENTING REQUEST

PARS-Gannett Fleming Joint Venture, ARNG, Ohio EPA

COST ESTIMATE: NA ESTIMATOR SIGNATURE Cody Postlethwait

PHONE: (609) 890-7277

DATE 6/18/2020

PREVIOUS FCR AFFECTED ☐YES ☒NO;

USACE COTR Nathaniel Peters, II DATE June 22, 2020

OHIO EPA PROJECT MANAGER _____ DATE _____

MANAGER SIGNATURE N/A DATE _____

Table 1
Fill Analytical Results (mg/kg)
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
VOCs (mg/kg) EPA Method 8260C			
1,1,1,2-Tetrachloroethane	-	2.0	ND*
1,1,1-Trichloroethane	-	640	ND
1,1,2,2-Tetrachloroethane	-	0.06	ND*
1,1,2-Trichloroethane	-	0.15	ND
1,1-Dichloroethane	-	3.6	ND
1,1-Dichloroethene	-	23	ND
1,1-Dichloropropene	-	-	ND
1,2,3-Trichlorobenzene	-	6	ND*
1,2,4-Trimethylbenzene	-	30	ND*
1,2-Dichloroethane	-	0.46	ND
1,2-Dichloroethene (Total)	-	-	ND
1,2-Dichloropropane	-	1	ND
1,3,5-Trimethylbenzene	-	-	ND*
1,3-Dichloropropane	-	160	ND*
2,2-Dichloropropane	-	1.6	ND
2-Butanone (MEK)	-	2700	ND
2-Chlorotoluene	-	160	ND
2-Hexanone	-	20	ND
4-Chlorotoluene	-	160	ND*
4-Isopropyltoluene	-	-	ND*
4-Methyl-2-pentanone (MIBK)	-	530	ND
Acetone	-	6100	ND
Benzene	-	1.2	ND
Bromobenzene	-	290	ND*
Bromoform	-	67	ND*
Bromomethane	-	0.68	ND
Carbon disulfide	-	77	ND
Carbon tetrachloride	-	0.65	ND
Chlorobenzene	-	28	ND*
Chlorobromomethane	-	15	ND
Chlorodibromomethane	-	0.73	ND
Chloroethane	-	1400	ND
Chloroform	-	0.32	ND
Chloromethane	-	11	ND
cis-1,2-Dichloroethene	-	16	ND
cis-1,3-Dichloropropene	-	1.8	ND
Dibromomethane	-	2.4	ND
Dichlorobromomethane	-	0.29	ND
Dichlorodifluoromethane	-	8.7	ND
Ethylbenzene	-	5.8	ND*
Isopropylbenzene	-	190	ND*
Methyl tert-butyl ether (MTBE)	-	47	ND
Methylene Chloride	-	35	0.0045 J
m-Xylene & p-Xylene	-	55	ND*
n-Butylbenzene	-	65	ND*
N-Propylbenzene	-	380	ND*
o-Xylene	-	56	ND*
sec-Butylbenzene	-	780	ND*
Styrene	-	600	ND*
tert-Butylbenzene	-	780	ND*
Tetrachloroethene	-	8.1	ND

Table 1
Fill Analytical Results (mg/kg)
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Toluene	-	490	ND
trans-1,2-Dichloroethene	-	160	ND
trans-1,3-Dichloropropene	-	1.8	ND*
Trichloroethene	-	0.41	ND
Trichlorofluoromethane	-	2,300	ND
Vinyl acetate	-	91	ND
Vinyl chloride	-	0.059	ND
Xylene (total)	-	58	ND
SVOCs (mg/kg) EPA Method 8270D			
2-Chlorophenol	-	39	ND
4-Chloro-3-methyl phenol	-	620	ND
2,4-Dichlorophenol	-	18	ND
2,4-Dimethylphenol	-	120	ND
2,4-Dinitrophenol	-	12	ND
4,6-Dinitro-o-cresol	-	0.49	ND
2-Methylphenol	-	310	ND
3&4-Methylphenol	-	620	ND
2-Nitrophenol	-	-	ND
4-Nitrophenol	-	61.2	ND
Pentachlorophenol	-	2.12	ND
Phenol	-	1,800	ND
2,4,5-Trichlorophenol	-	620	ND
2,4,6-Trichlorophenol	-	6.2	ND
Acenaphthene	-	350	ND*
Acenaphthylene	-	170	ND*
Acetophenone	-	780	ND
Anthracene	-	1,700	ND*
Atrazine	-	2.4	ND
Benzo(a)anthracene	-	0.221	ND*
Benzo(a)pyrene	-	0.022	ND*
Benzo(b)fluoranthene	-	0.221	ND*
Benzo(g,h,i)perylene	-	170	ND*
Benzo(k)fluoranthene	-	2.21	ND*
4-Bromophenyl phenyl ether	-	-	ND
Butyl benzyl phthalate	-	280	ND*
1,1'-Biphenyl	-	4.7	ND
Benzaldehyde	-	170	0.3 J
2-Chloronaphthalene	-	630	ND
4-Chloroaniline	-	2.7	ND
Carbazole	-	44.6	ND
Caprolactam	-	3,100	ND
Chrysene	-	22.1	ND*
bis(2-Chloroethoxy)methane	-	23	ND
bis(2-Chloroethyl)ether	-	0.23	ND
bis(2-Chloroisopropyl)ether	-	-	ND
4-Chlorophenyl phenyl ether	-	-	ND
2,4-Dinitrotoluene	-	0.753	ND
2,6-Dinitrotoluene	-	0.769	ND
3,3'-Dichlorobenzidine	-	1.2	ND*
Dibenzo(a,h)anthracene	-	0.022	ND
Dibenzofuran	-	15.3	ND
Di-n-butyl phthalate	-	620	ND

Table 1
Fill Analytical Results (mg/kg)
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Di-n-octyl phthalate	-	62	ND*
Diethyl phthalate	-	4,900	ND
Dimethyl phthalate	-	-	ND
bis(2-Ethylhexyl)phthalate	-	38	0.097 J
Fluoranthene	-	163	ND*
Fluorene	-	243	ND*
Hexachlorobenzene	-	0.33	ND*
Hexachlorobutadiene	-	6.2	ND
Hexachlorocyclopentadiene	-	37	ND
Hexachloroethane	-	4.3	ND
Indeno(1,2,3-cd)pyrene	-	0.221	ND*
Isophorone	-	560	ND
2-Methylnaphthalene	-	30.6	ND
2-Nitroaniline	-	63	ND
3-Nitroaniline	-	-	ND
4-Nitroaniline	-	25	ND
Naphthalene	-	122	ND*
Nitrobenzene	-	5.1	ND
N-Nitroso-di-n-propylamine	-	0.12	ND
N-Nitrosodiphenylamine	-	110	ND
Phenanthrene	-	170	ND*
Pyrene	-	122	ND*
1,2,4,5-Tetrachlorobenzene	-		
Organochlorine Pesticides & PCBs			
(mg/kg) EPA Method 8081B 8082A	-		
Aldrin	-	0.053	ND
alpha-BHC	-	0.085	ND
beta-BHC	-	0.496	ND
Chlordane	-	1.8	ND
delta-BHC	-	0.3	ND
Dieldrin	-	0.056	ND
Endosulfan I	-	37	ND
Endosulfan II	-	37	ND
Endosulfan sulfate	-	37	ND
Endrin	-	1.12	ND
Endrin aldehyde	-	1.8	ND
Endrin ketone	-	1.8	ND
gamma-BHC (Lindane)	-	0.56	ND
Heptachlor	-	0.198	ND
Heptachlor epoxide	-	0.098	ND
Methoxychlor	-	31	ND
PCB-1016	-	0.41	ND
PCB-1221	-	0.2	ND
PCB-1232	-	0.17	ND
PCB-1242	-	0.23	ND
PCB-1248	-	0.23	ND
PCB-1254	-	0.12	ND
PCB-1260	-	0.24	ND
Toxaphene	-	0.48	ND
4-4'-DDD	-	2.2	ND
4,4'-DDE	-	2.63	0.00040 J
4,4'-DDT	-	1.9	0.00036 J

Table 1
Fill Analytical Results (mg/kg)
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID Sample Location Laboratory Sample ID Sample Date	Background Criteria	Screening Level (THQ=0.1, Risk=1E-6)	BF200520 Backfill 680-184333-1 5/20/2020
Nitroguanidine (mg/kg) EPA Method 8330 Modified			
Nitroguanidine	-	620	ND
Nitroaromatics and Nitramines (mg/kg) EPA Method 8330 Modified			
HMX	-	359	ND
RDX	-	8.03	ND
1,3,5-Trinitrobenzene	-	225	ND
1,3-Dinitrobenzene	-	0.765	ND
Nitrobenzene	-	5.1	ND
Tetryl	-	12	ND
Nitroglycerin	-	52.5	ND
2,4,6-Trinitrotoluene	-	3.65	ND
4-Amino-2,6-dinitrotoluene	-	1.54	ND
2-Amino-2,6-dinitrotoluene	-	1.54	ND
2,6-Dinitrotoluene	-	0.769	ND
2,4-Dinitrotoluene	-	0.753	ND
2-Nitrotoluene	-	3.88	ND
4-Nitrotoluene	-	52.5	ND
3-Nitrotoluene	-	0.62	ND
PETN	-	12	ND
Metals (mg/kg) EPA Method 6010C			
Aluminum	17,700	7,380	**23,000**
Arsenic	15.4	0.425	14
Barium	88.4	1413	71
Beryllium	1	16	0.43 J
Calcium	15,800	1,000,000	3,700
Cadmium	0	6.41	ND
Colbalt	10.4	131	6.2
Chromium	17.4	8147	16
Copper	17.7	311	17
Iron	23,100	180,000	22,000
Potassium	927	1,000,000	520
Magnesium	3,030	1,000,000	1,900
Manganese	1,450	293	1,100
Sodium	123	1,000,000	ND
Nickel	21.1	155	12
Lead	26.1	400	13
Antimony	0.96	2.82	ND
Selenium	1.4	39	ND
Thallium	0	0.612	ND
Vanadium	31.1	45	18
Zinc	62	2,321	54
Silver	0	38.6	ND
General Chemistry			
pH	-	-	7.6
Nitrocellulose (mg/kg)	-	18,000,000	2.0 J

Table 1
Fill Analytical Results (mg/kg)
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

PARS Sample ID		Screening	BF200520
Sample Location		Level	Backfill
Laboratory Sample ID	Background	(THQ=0.1,	680-184333-1
Sample Date	Criteria	Risk=1E-6)	5/20/2020
Mercury (mg/kg) EPA Method 7471B			
Mercury	0.036	1.1	0.16 J

Table 1
Fill Analytical Results
Load Line 2 and Quarry Pond Surface Dump
RVAAP Restoration Program

Notes:
Detected compounds that exceed the most stringent Soil Remediation Standard are shown underlined and bold **[thus]:**

mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
ND	Compound not detected above laboratory reporting limit
J	Estimated concentration (result is less than reporting limit, but greater than the minimum detection limit)
nb	No Burn
*	One or more quality control criteria failed
RCRA	Resource Conservation and Recovery Act
MCCTC	Maxiumum Concentration of Contaminants for Toxicity Characteristic

Sampling Information:
Samples were placed in iced coolers at approximately 4°C.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-184331-1
Client Project/Site: Camp Ravenna

For:
PARS Environmental Inc
500 Horizon Drive
Suite 540
Robbinsville, New Jersey 08691

Attn: Cody Postlethwait

Kathryn Smith

Authorized for release by:
6/18/2020 11:34:54 AM

Kathryn Smith, Client Service Manager
(912)250-0275
kathy.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Chain of Custody Record 447247

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Cody Postlethwait	Site Contact:	Date:	COC No:
Company Name: PARS Environmental	Tel/Email:	Lab Contact:	Carrier:	___ of ___ COCs
Address: 500 Horizon Drive	Analysis Turnaround Time			Sampler:
City/State/Zip: Robbinsville, NJ	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 609-890-7277	TAT if different from Below 10 Day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Camp Ravenna	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# 895-35	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	TCL SVOCs	TCL Pesticides	PCBs	Explosives	Nitroglycerine	Nitro-Guanidine	Nitrocellulose	TAL Metals	pH	Sample Specific Notes:
BF-200520	5/20/20	1330	C	Soil	9			X	X	X	X	X	X	X	X	X	X	

680-184331-01 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

C Bauda 05-28-20 1100

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Cody Postlethwait	PARS		[illegible]	ETA	5/22/20 12:05
[illegible]	Eli	5/22/20 1630	Usaiah D	ETA	5/22/20 1630
[illegible]	~~ETA~~ Eli	5/27/20 1800	Received in Laboratory by:	1.6 (CF)	2.0c

NO CL JLAN -2.6

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

680-184331 Chain of Custody

Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smith, Kathryn E	21.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kathy.smith@testamericainc.com	Ohio
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): DoD - ANAB; DoD ELAP - ANAB	Page 1 of 1
Address: 30 Community Drive, Suite 11,	Due Date Requested: 6/9/2020		Job #: 680-184331-1
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: Camp Ravenna	Project #: 68023831		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Number of containers (Kg or L NO)	Perform MS/MSD (Y or N)	8330B_DOD5/8330_P_Soil (MOD) Explosives, Standard List + Nitrog	Special Instructions/Note:
Preservation Code:								
BF-200520 (680-184331-1)	5/20/20	13:30 Eastern		Solid			X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 6-2-20 1600	Company TA	Received by:		Date/Time: 6/3/20 10:30	Company TABGBL
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1167152		Cooler Temperature(s) °C and Other Remarks: 1.7			

Ver: 01/16/2019

RT 916 1 A
FZ 917 10:30 7886
06.03

334-7858

SHIP DATE: 02JUN20
ACTWGT: 10.00 LB
CAD: 0801261/CAFE3911

BILL RECIPIENT

TAMERICA
ROUCHE AVE
SAVANNAH, GA 31404
UNITED STATES US

TO

TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
STE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990

INV:
PO:
REF:
DEPT:

FedEx Express

WED - 03 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 1328 9409 7886

XH BTVA

05403
VT - US BTV

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-612632.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kathy.smith@testamericainc.com	State of Origin: Ohio	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): DoD - ANAB; DoD ELAP - ANAB		Job #: 680-184331-1
Address: 880 Riverside Parkway,	Due Date Requested: 6/9/2020			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Camp Ravenna	Project #: 68023831			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8330_NGu/8330_P_2g Nitroguanidine Only	353.2_Nitrocell/NCEL_Prep_S	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
BF-200520 (680-184331-1)	5/20/20	13:30 Eastern		Solid			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5-22-20 1600	TA		5/20/20 - 910	ETASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 1167122	Cooler Temperature(s) °C and Other Remarks: 1.7

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

680-184331 Field Sheet

Job:____

Tracking #: 1328-9409-7647

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: AK-5 Corr. Factor: (+/-) 0 °C

Ice ✓ Wet ✓ Gel ____ Other ____

Cooler Custody Seal: 1167122

Cooler ID: 1043

Temp Observed: 1.7 °C Corrected: 1.7 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Samples received within holding time?	☑	☐	☐

Initials: JL Date: 5/30/20

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified? DW 5/30/20	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DK Date: 5/30/20

Notes:

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: DK Date: 5/30/20

Notification of Demolition and Renovation/Abatement
Section 1: General Information
Division of Air Pollution Control

Ohio Environmental Protection Agency

Work on projects cannot begin until 10 working days after a COMPLETE original notification form, **including payment**, is submitted to Ohio EPA. Instructions and a worksheet for fee calculation are available at epa.ohio.gov/asbestos. This form can be completed, and payment made, at ebiz.epa.ohio.gov. Questions? asbestos@epa.ohio.gov or 614-466-0061

Ohio EPA Use Only	Notification #:144772	Postmarked:	Received: 7/13/2020	Hand-Delivered

1. Notification Information (Check all that apply)

Original	Revision # (count): 1	Installation	Emergency	Annual	Cancellation	Project County: PORTAGE
NESHAP Residential Exemption						

2. Owner, Asbestos Abatement Contractor, Billing, and Fire Department Information **Revised?**

Owner

Name: US Property and Fiscal Officer for Ohio		Is this a company? Yes
Address: 2825 W Dublin Granville Road,	Contact Person: Katie Tait	
City: Columbus	State: OHIO	Zip: 43235
Email: kathryn.s.tait.nfg@mail.mil	Phone: (614) 336-6136	Fax: () -

Asbestos Abatement Contractor (if applicable)

Name: A&T EnviroMental LLC	License #: AC2164	Expiration Date: 2/12/2021
Address: 66 Eldred Avenue,	Contact Person: Vance Ross	
City: Bedford	State: OHIO	Zip:44146
Email: vross_4@hotmail.com	Phone: (216) 551-7372	Fax: () -

Billing Contact (Entity paying for original notification)

Is this contact associated with the Owner, Asbestos Abatement Contractor, or Demolition Contractor (if not installation)?		
Address: 500 Horizon Drive,	Contact Person: Cody Postlethwait	
City: Robbinsville	State: NEW_JERSEY	Zip: 08691
Email: cpostlethwait@montrose-env.com	Phone: (609) 890-7277	Fax: () -

Fire Department (if applicable)

Name:		
Address: ,	Contact Person:	
City:	State:	Zip:
Email:	Phone: () -	Fax: () -

3. Ohio Asbestos Hazard Evaluation Specialist and Evaluation Procedure **Revised?**

Evaluation Specialist:	Certification #:	Expiration Date:
Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of regulated asbestoscontaining material (RACM) and Category I and Category II non-friable asbestoscontaining material: PLM Point Count TEM Other Method (Explain Below): Conducted by a CAHES from Diamond Environmental		

4. Procedures to be followed should unexpected RACM be discovered (check all that apply) **Revised?**

Stop Work and Keep Wet	Evacuate area	Demarcate area	Contact licensed abatement contractor	Contact district office/local air authority
Other (Explain):				

5. Planned Demolition (check all that apply) **Revised?**

Describe demolition work to be performed and method(s) to be employed, including demolition techniques to be used: Implosion Fire Training Wet Methods Manual Demolition Mechanical Demolition Other (Explain): Excavation and disposal of asbestos soil and debris using wet methods
Description of affected facility components (include attachment if necessary): Soil
Demolition Attachment:

Notification of Demolition and Renovation/Abatement
Section 1: General Information
Division of Air Pollution Control

Ohio Environmental Protection Agency

6. Asbestos Description and Engineering Controls (if asbestos is being abated) **Revised?**

For the material listed in each project, describe the type(s) of ACM to be abated, engineering controls and work practices to be used to minimize emissions and ensure proper waste handling:					
Type of ACM to be abated:	Surfacing	Mechanical	Other: Building debris and ACM-impacted soil		
Engineering Controls:	Wet Methods	Glove Bag	NPE	AFD	Other:
Work Practices:	Intact Removal	Manual	Mechanical	Other: Excavation	

7. Asbestos Waste Transporter (if applicable) **Revised?**

Transporter Name: Southern Logistics, Inc.		
Address: 116 Fairhope Avenue,	Contact Person: Raymond Lightfoot	
City: Fairhope	State: ALABAMA	Zip: 26532
Email: rlightfoot@greenrockllc.com	Phone: (502) 803-1733	Fax: () -

8. Asbestos Waste Disposal Site (if applicable) **Revised?**

Name: Republic Services Countywide Recycling & Disposal Fac		
Address: 3619 Gracemont Ave SW,	Contact Person: Letticia Wright	
City: East Sparta	State: OHIO	Zip: 44626
Email: lwright@republicservices.com	Phone: (234) 732-1117	Fax: () -

9. Emergency Demolition (complete if you checked "Emergency" above and "Demolition" for any project) **Revised?**

A copy of the issued order, including the following information, **must be attached** to this notification.	
Government Official Issuing Order:	Title:
Agency:	Authority of Order (Citation of Code):
Date of Order:	Demolition Date:
Issued Order Document:	

10. Emergency Renovation/Abatement (complete if you checked "Emergency" above and "Renovation/Abatement" for any project) **Revised?**

Date of Emergency:	Time of Emergency:
Description of Sudden, Unexpected Event:	
Explanation of how the event caused unsafe conditions or equipment damage:	
General Notification Attachments:	

11. Attestation

In accordance with Ohio Administrative Code rule 3745 20 03 (A)(4)(p), I certify that at least one person trained as required by paragraph (B) of rule 37452004 of the Administrative Code will supervise the stripping and removal described by this notification. I acknowledge that the submission of false or misleading statements is prohibited by law and I certify that facts contained in this notification are true, accurate, and complete.	
Signature: Submitted Online via eBiz	Date: 7/13/2020
Name: cody Postlethwait	Title: Project Manager
Organization: PARS	

Notification of Demolition and Renovation/Abatement
Section 2: Project Address Specific Information
Division of Air Pollution Control

Ohio Environmental Protection Agency

Please complete Section 2 for the address included with this notification. If the project is an "Installation" per OAC 3745-20, complete a separate Section 2 page for each address associated with this notification.

Ohio EPA Use Only		Project ID #: 144772 - 1

A. Facility Description **Revised?**

Building Name (if applicable):	Site Location (specific): Quarry Pond Surface Dump	
Address: East of Fuze & Booster Rd and George Rd,		
City: Ravenna	State: OH	Zip: 44266
Building Size (square feet): 53494.0	No. of Floors:1	Age (years): 1.0
Present Use: Dump Site	Prior Use: Dump Site	

B. Type of Operation (check all that apply) **Revised?**

Demolition	Renovation / Abatement – Type: Removal Repair Encapsulation Enclosure

C. Asbestos Present? (check one) **Revised?**

Yes	No	No, previously abated Year Abated:

D. Approximate Amount of AsbestosContaining Materials (complete table below and Section 1 #6 if asbestos is present) **Revised?**

	Material to be Removed			Material **NOT** to be Removed	
	RACM	Non-friable Asbestos-Containing Material		Non-friable Asbestos-Containing Material	
		Category I	Category II	Category I	Category II
Pipes (linear feet)	0.0	0.0	0.0	0.0	0.0
Surface area on other facility components (ft^2)	0.0	0.0	0.0	0.0	0.0
Volume if length or area cannot be measured (ft^3)	53494.0				

E. Asbestos Abatement Schedule and Abatement Specialist *(original notification is required 10 working days prior to the start of work)* **Revised?**

Setup Date: 7/26/2020 Abatement Date: 7/26/2020 Complete Date: 9/11/2020

Abatement Specialist Name: Vance Ross Certification #: AS32373 Expiration Date: 2/25/2021

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7:30 to 15:45	7:30 to 15:45	7:30 to 15:45	7:30 to 15:45	7:30 to 15:45		

F. Demolition Contractor (if applicable) **Revised?**

Name:		
Address: ,	Contact Person:	
City:	State:	Zip:
Email:	Phone: () -	Fax: () -

G. Demolition Schedule (original notification is required 10 working days prior to the start of work) **Revised?**

Start Date:	Complete Date:

H. Project Hold **Revised**

Asbestos Offsite/On Hold as of Date:	Asbestos On Site/Off Hold, Work Resume Date:
Demolition Offsite/On Hold as of Date:	Demolition On Site/Off Hold, Work Resume Date:

APPENDIX G

AST Inspection Log

Liquid Storage in Aboveground Storage Tanks
(55 gallons or greater)

Building / Area: Quarry Pond **Date:** 7/20/20
Inspector: A. Camprone **Unit:**
Number of Tanks Inspected (i.e. 12 55-Gallon Drums) (1) 500 gal Skid Tank

IF THERE IS AN EMERGENCY AND A RELEASE IS DISCOVERED/ONGOING PLEASE CONTACT RANGE CONTROL IMMEDIATELY AT 614-336-6041	YES	NO	N/A
A. Environmental Management Plans			
1. Are tanks included and in compliance with all applicable plans and regulations?	✓		
B. Routine Inspections			
1. Are tanks systems inspected at least weekly?	✓		
2. Is there evidence of a spill, leak, or staining on the fuel pad or in the vicinity of the fuel pumps or around the AST perimeter? *If staining observed, please contact Camp Ravenna-ENV at 4918, 6568 or 6136 and record findings, corrective action taken (if any), and contact time and date below. If the tank is not in compliance please clarify and clearly identify in comments section below.		✓	
3. Are the spill control supplies stocked and readily available?	✓		
4. Is the tank alarm functioning? Please test it during every inspection. If tank does not have an alarm please indicate N/A.			✓
C. Tank and Piping			
1. Is tank exterior (roof, shell, ends, connections, fittings, valves, etc.) free of visible leaks? If no contact Range Control.	✓		
2. Is aboveground piping including piping that enters a building (valves, fittings, connections, pumps, etc.) free of visible leaks? If no contact Range Control.			✓
3. Are there protective guards around tanks and pipes?	✓		
4. Are valves clearly tagged, tightened, labeled, and oriented properly?			✓
5. Are employees trained in correct operating procedures and safety activities? If no please contact Camp Ravenna-ENV at 4918, 6568 or 6136.	✓		
6. Are tank supports in good working condition?			✓
D. Secondary Containment			
1. Are tanks located within adequate secondary containment?	✓		
2. Are valves used for draining containment system?		✓	
3. Are valves closed and locked?			✓
E. Mobile Fueler			
1. If a mobile fueler, has the equipment received the required maintenance inspection within necessary timeframe?	✓		
F. Annual Inspection Only (To Be Completed By Camp Ravenna ENV)			
1. Have the required monthly inspections been completed since the last annual inspection.			
2. Any visible signs of deterioration (i.e. corrosion, peeling paint, cracking, buckling, denting, bulging, blistering, holes, etc.)			
E. Outline all non-compliance items:			
Date and Time Camp Ravenna-ENV Contacted:			
Comments and Corrective Action Taken:			

Liquid Storage in Aboveground Storage Tanks
(55 gallons or greater)

Building / Area: Quarry Pond **Date:** 7/27/24
Inspector: Allen Campbell **Unit:**
Number of Tanks Inspected (i.e. 12 55-Gallon Drums) (1) 500 gal

IF THERE IS AN EMERGENCY AND A RELEASE IS DISCOVERED/ONGOING PLEASE CONTACT RANGE CONTROL IMMEDIATELY AT 614-336-6041	YES	NO	N/A
A. Environmental Management Plans			
1. Are tanks included and in compliance with all applicable plans and regulations?	X		
B. Routine Inspections			
1. Are tanks systems inspected at least weekly?	X		
2. Is there evidence of a spill, leak, or staining on the fuel pad or in the vicinity of the fuel pumps or around the AST perimeter? *If staining observed, please contact Camp Ravenna-ENV at 4918, 6568 or 6136 and record findings, corrective action taken (if any), and contact time and date below. If the tank is not in compliance please clarify and clearly identify in comments section below.		X	
3. Are the spill control supplies stocked and readily available?	X		
4. Is the tank alarm functioning? Please test it during every inspection. If tank does not have an alarm please indicate N/A.			X
C. Tank and Piping			
1. Is tank exterior (roof, shell, ends, connections, fittings, valves, etc.) free of visible leaks? If no contact Range Control.	X		
2. Is aboveground piping including piping that enters a building (valves, fittings, connections, pumps, etc.) free of visible leaks? If no contact Range Control.			X
3. Are there protective guards around tanks and pipes?	X		
4. Are valves clearly tagged, tightened, labeled, and oriented properly?	X		
5. Are employees trained in correct operating procedures and safety activities? If no please contact Camp Ravenna-ENV at 4918, 6568 or 6136.	X		
6. Are tank supports in good working condition?	X		
D. Secondary Containment			
1. Are tanks located within adequate secondary containment?	X		
2. Are valves used for draining containment system?	X		
3. Are valves closed and locked?	X		
E. Mobile Fueler			
1. If a mobile fueler, has the equipment received the required maintenance inspection within necessary timeframe?			X
F. Annual Inspection Only (To Be Completed By Camp Ravenna ENV)			
1. Have the required monthly inspections been completed since the last annual inspection.	X		
2. Any visible signs of deterioration (i.e. corrosion, peeling paint, cracking, buckling, denting, bulging, blistering, holes, etc.)		X	

E. Outline all non-compliance items:

N/A

Date and Time Camp Ravenna-ENV Contacted:

Comments and Corrective Action Taken:

Liquid Storage in Aboveground Storage Tanks
(55 gallons or greater)

Building / Area: Quarry Pond **Date:** 8/3/20
Inspector: Allen Campbell **Unit:** _____
Number of Tanks Inspected (i.e. 12 55-Gallon Drums) (1) 500 gal

IF THERE IS AN EMERGENCY AND A RELEASE IS DISCOVERED/ONGOING PLEASE CONTACT RANGE CONTROL IMMEDIATELY AT 614-336-6041	YES	NO	N/A
A. Environmental Management Plans			
1. Are tanks included and in compliance with all applicable plans and regulations?	X		
B. Routine Inspections			
1. Are tanks systems inspected at least weekly?	X		
2. Is there evidence of a spill, leak, or staining on the fuel pad or in the vicinity of the fuel pumps or around the AST perimeter? *If staining observed, please contact Camp Ravenna-ENV at 4918, 6568 or 6136 and record findings, corrective action taken (if any), and contact time and date below. If the tank is not in compliance please clarify and clearly identify in comments section below.		X	
3. Are the spill control supplies stocked and readily available?	X		
4. Is the tank alarm functioning? Please test it during every inspection. If tank does not have an alarm please indicate N/A.			X
C. Tank and Piping			
1. Is tank exterior (roof, shell, ends, connections, fittings, valves, etc.) free of visible leaks? If no contact Range Control.	X		
2. Is aboveground piping including piping that enters a building (valves, fittings, connections, pumps, etc.) free of visible leaks? If no contact Range Control.	X		X
3. Are there protective guards around tanks and pipes?	X		
4. Are valves clearly tagged, tightened, labeled, and oriented properly?	X		
5. Are employees trained in correct operating procedures and safety activities? If no please contact Camp Ravenna-ENV at 4918, 6568 or 6136.	X		
6. Are tank supports in good working condition?	X		
D. Secondary Containment			
1. Are tanks located within adequate secondary containment?	X		
2. Are valves used for draining containment system?	X		
3. Are valves closed and locked?	X		
E. Mobile Fueler			
1. If a mobile fueler, has the equipment received the required maintenance inspection within necessary timeframe?			X
F. Annual Inspection Only (To Be Completed By Camp Ravenna ENV)			
1. Have the required monthly inspections been completed since the last annual inspection.	X		
2. Any visible signs of deterioration (i.e. corrosion, peeling paint, cracking, buckling, denting, bulging, blistering, holes, etc.)		X	

E. Outline all non-compliance items:

N/A

Date and Time Camp Ravenna-ENV Contacted:

Comments and Corrective Action Taken:

Liquid Storage in Aboveground Storage Tanks
(55 gallons or greater)

Building / Area: Quarry Bldg **Date:** 8/10/20
Inspector: Allen Campbell **Unit:** _____
Number of Tanks Inspected (i.e. 12 55-Gallon Drums) _____

IF THERE IS AN EMERGENCY AND A RELEASE IS DISCOVERED/ONGOING PLEASE CONTACT RANGE CONTROL IMMEDIATELY AT 614-336-6041	YES	NO	N/A
A. Environmental Management Plans			
1. Are tanks included and in compliance with all applicable plans and regulations?	X		
B. Routine Inspections			
1. Are tanks systems inspected at least weekly?	X		
2. Is there evidence of a spill, leak, or staining on the fuel pad or in the vicinity of the fuel pumps or around the AST perimeter? *If staining observed, please contact Camp Ravenna-ENV at 4918, 6568 or 6136 and record findings, corrective action taken (if any), and contact time and date below. If the tank is not in compliance please clarify and clearly identify in comments section below.		X	
3. Are the spill control supplies stocked and readily available?	X		
4. Is the tank alarm functioning? Please test it during every inspection. If tank does not have an alarm please indicate N/A.			X
C. Tank and Piping			
1. Is tank exterior (roof, shell, ends, connections, fittings, valves, etc.) free of visible leaks? If no contact Range Control.	X		
2. Is aboveground piping including piping that enters a building (valves, fittings, connections, pumps, etc.) free of visible leaks? If no contact Range Control.	X		
3. Are there protective guards around tanks and pipes?	X		
4. Are valves clearly tagged, tightened, labeled, and oriented properly?	X		
5. Are employees trained in correct operating procedures and safety activities? If no please contact Camp Ravenna-ENV at 4918, 6568 or 6136.	X		
6. Are tank supports in good working condition?	X		
D. Secondary Containment			
1. Are tanks located within adequate secondary containment?	X		
2. Are valves used for draining containment system?	X		
3. Are valves closed and locked?	X		
E. Mobile Fueler			
1. If a mobile fueler, has the equipment received the required maintenance inspection within necessary timeframe?			X
F. Annual Inspection Only (To Be Completed By Camp Ravenna ENV)			
1. Have the required monthly inspections been completed since the last annual inspection.	X		
2. Any visible signs of deterioration (i.e. corrosion, peeling paint, cracking, buckling, denting, bulging, blistering, holes, etc.)		X	

E. Outline all non-compliance items:

N/A

Date and Time Camp Ravenna-ENV Contacted:

Comments and Corrective Action Taken:

APPENDIX H

Daily Field Logs

DAILY CONSTRUCTION REPORT

Date: 6-10-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Wednesday	Contract Day: 1	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	69	Temp Max. (°F):	82
PM Conditions	Sunny	Temp Min. (°F):	82	Temp Max. (°F):	86

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
None		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	1	8	Technician	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Dozer	D3 K	1	1	8
	Compaction Roller	CS 44	1	1	8

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0700	**Arrive at Range Control and notify them of days activities.**	**None**	
0715	**Place PARS signs to Site on the way to Quarry Pond.**	**None**	
0800	**Arrive at Quarry Pond Site and hold tailgate meeting.**	**None**	
0815	**Begin grading ruts on access road and compact.**	**None**	
0900	**Accept pipe delivery from Trumbell Industries and unload at Load Line 2.**	**None**	
0945	**Arrive bask at Quarry Pond Site and continue grading and compacting access road.**	**None**	
1100	**Landmark Fuels delivers AST for on-site fuel. Stage AST and place orange construction fence around it.**	**None**	
1230	**Landmark Fuels delivers fuel to Site.**	**None**	
1445	**Finish grading ruts on access road and compact.**	**None**	
1500	**Leave Site for the day.**	**None**	
NOTE	**Skid steer and excavator idle at Load Line 2 Site**		

	Site Manager / SSHO	**6-10-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 6-11-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Thursday	Contract Day: 2	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	65	Temp Max. (°F):	69
PM Conditions	Sunny	Temp Min. (°F):	69	Temp Max. (°F):	74

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
None		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	1	8	Technician	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Dozer	D3 K	1	1	9
	Compaction Roller	CS 44	1	1	9

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0700	**Arrive at Range Control and notify them of days activities.**	**None**	
0715	**Arrive at Quarry pond Site and hold tailgate meeting.**	**None**	
0730	**Brugmann Sand & Gravel start delivering #3 road gravel.**	**None**	
0740	**Begin spreading and compacting road gravel at the construction entrance and continue up access road.**	**None**	
1030	**Portage Porta a Pot delivers Porta pot at Quarry Pond and Load Line 2.**	**None**	
1145	**Portage Porta a Pot driver leaves Site.**	**None**	
1400	**Landmark Fuels delivers DEF Fluid for equipment.**	**None**	
1415	**Landmark Fuels driver leaves Site.**	**None**	
1530	**Brugmann delivers last load.**	**None**	
1555	**Leave Site for the day.**	**None**	
NOTE	**Brugmann delivers 395.01 tons #3 road gravel. Placed and compacted 1300 feel of access road.**		

	Site Manager / SSHO	**6-11-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 6-12-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Friday	Contract Day: 3	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	63	Temp Max. (°F):	70
PM Conditions	Sunny	Temp Min. (°F):	70	Temp Max. (°F):	71

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
Vance Ross	A&T Environmental	X☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	1	9	Technician	1	9
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Dozer	D3 K	1	1	9
	Compaction Roller	CS 44	1	1	9

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0700	**Arrive at Range Control and notify them of day's activities.**	**None**	
0715	**Arrive at Quarry pond Site. Hold tailgate meeting and fuel up equipment.**	**None**	
0740	**Brugmann Sand & Gravel start delivering #3 road gravel.**	**None**	
0825	**Vance Ross visits Site. Safety briefing given.**	**None**	
0910	**Vance Ross leaves the Site.**	**None**	
1100	**Kevin Sedlak visits Site.**	**None**	
1115	**Kevin Sedlak leaves Site.**	**None**	
1530	**Brugmann delivers last load.**	**None**	
1555	**Leave Site for the day.**	**None**	
NOTE	**Brugmann delivers 398.76 tons #3 road gravel. Still need approx. 8 loads to finish. Plan to do on July 20, 2020.**		

	Site Manager / SSHO	**6-12-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 7-27-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Monday	Contract Day: 4	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	76	Temp Max. (°F):	85
PM Conditions	Sunny	Temp Min. (°F):	85	Temp Max. (°F):	86

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician	1	9
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	4
	Loader	938	1	0	0
	Dozer	D3	1	1	4
	Compaction Roller	CS 38	1	1	4
	Skid Steer w/Broom	277	1	0	0
	Water Truck	2000 Gallon	1	3	3
A&T Environmental	Scissor Lift	Scissor Lift	1	1	1

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0700	**Arrive at Quarry Pond Site.**	**None**	
0730	**A&T Environmental crew arrives at Site.**	**None**	
0735	**CAT delivers water truck. A&T delivers (2) scissor lifts.**	**None**	
0800	**Kevin Sedlak arrives at Site. Conduct tailgate safety meeting.**	**None**	
0830	**Tim starts grading & compacting road gravel in Area A. JR and Mike identify deep cuts and set stakes in Areas A&C.**	**None**	
1000	**Brugmann Sand & Gravel start delivering #3 road gravel.**	**None**	
1330	**JR & Mike take water truck to fill up at Ravenna City Water Department.**	**None**	
1500	**Water truck returns to Site filled and we test to make sure it is functioning properly.**	**None**	
1530	**Finish grading & compacting road gravel in access road.**	**None**	
1545	**Leave Site for the day.**	**None**	
NOTE	**Brugmann delivers 6 loadsof #3 road gravel.**		

	Site Manager / SSHO	**7-27-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 7-28-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Tuesday	Contract Day: 5	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	70	Temp Max. (°F):	76
PM Conditions	Sunny	Temp Min. (°F):	76	Temp Max. (°F):	82

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician	1	9
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	9
	Loader	938	1	1	9
	Dozer	D3	1	0	0
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	0	0
	Water Truck	2000 Gallon	1	1	9
A&T Environmental	Scissor Lift	Scissor Lift	1	1	8

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0700	**Meet haul truck drivers at gate, collect manifests and head to the Site.**	**None**	
0730	**Arrive at Quarry Pond Site and conduct tailgate safety meeting.**	**None**	
0745	**Start lining the first haul truck. Begin excavating in Debris Pile A and stockpiling soils within the AOC for loadout.**	**None**	
0830 0905	**Start loading 1st haul truck. Finish loading 1st haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0910 0940	**Start loading 2nd haul truck. Finish loading 2nd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0945	**Continue excavating in Debris Pile A and stockpiling soils within the AOC for 2nd round loadout.**	**None**	
1305 1350	**Start loading 3rd haul truck. Finish loading 3rd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1355 1420	**Start loading 4th haul truck. Finish loading 4th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1445	**Continue excavating in Debris Pile A and stockpiling soils within the AOC for tomorrow morning loadout.**	**None**	
1600	**Leave Site for the day.**	**None**	
NOTE	**4 loads hauled to landfill today**		

	Site Manager / SSHO	**7-28-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 7-29-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Wednesday	Contract Day: 6	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	70	Temp Max. (°F):	79
PM Conditions	Sunny	Temp Min. (°F):	79	Temp Max. (°F):	86

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician	1	9
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	9	Foreman			Skilled	1	9
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	9
	Loader	938	1	1	9
	Dozer	D3	1	0	0
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	9
A&T Environmental	Scissor Lift	Scissor Lift	1	2	18

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0715	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0730 0830	**Start lining & loading the 1st haul truck. Finish loading 1st haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0900 0945	**Start lining & loading the 2nd haul truck. Finish loading 2nd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0950 1005	**Start lining & loading the 3rd haul truck. Finish loading 3rd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1006 1025	**Start lining & loading the 4th haul truck. Finish loading 4th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1030	**Continue excavating and staging soils in Area A for second round loadout.**	**None**	
1250 1340	**Start lining & loading the 5th haul truck. Finish loading 5th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1345 1430	**Start lining & loading the 6th haul truck. Finish loading 6th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1440 1510	**Start lining & loading the 7th haul truck. Finish loading 7th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1520 1540	**Start lining & loading the 8th haul truck. Finish loading 8th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1600	**Leave Site for the day.**	**None**	
NOTE	**8 loads hauled to landfill today**		

	Site Manager / SSHO	**7-29-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 7-30-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Thursday	Contract Day: 7	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	69	Temp Max. (°F):	80
PM Conditions	Sunny	Temp Min. (°F):	80	Temp Max. (°F):	82

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician	1	9
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	9	Foreman			Skilled	1	9
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	9
	Loader	938	1	1	9
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	9
A&T Environmental	Scissor Lift	Scissor Lift	1	2	18

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0715	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0800 0905	**Start lining & loading the 1st haul truck. Finish loading 1st haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0906 0945	**Start lining & loading the 2nd haul truck. Finish loading 2nd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0950 1200	**Start lining & loading the 3rd haul truck. Finish loading 3rd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1210 1230	**Start lining & loading the 4th haul truck. Finish loading 4th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1235	**Continue excavating and staging soils in Area A for second round loadout.**	**None**	
1420 1445 1455	**5th & 6th haul truck arrive at Site. Start lining 5th haul truck. Start loading 5th haul truck. Finish loading 5th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1515 1525	**Start lining & loading the 6th haul truck. Finish loading 6th haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1520	**Fuel up equipment.**	**None**	
1600	**Leave Site for the day.**	**None**	
NOTE	**6 loads hauled to landfill today**		

	Site Manager / SSHO	**7-30-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 7-31-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Friday	Contract Day: 8	Total Days:

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	64	Temp Max. (°F):	79
PM Conditions	Sunny	Temp Min. (°F):	79	Temp Max. (°F):	82

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8.5	Equipment Operator	2	17	Technician	1	8.5
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8.5	Foreman			Skilled	1	8.5
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	8.5
	Loader	938	1	1	8.5
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	8.5
A&T Environmental	Scissor Lift	Scissor Lift	1	2	17

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0715	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0730 0845	**Start lining & loading the 1st haul truck. Finish loading 1st haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0850 0930	**Start lining & loading the 2nd haul truck. Finish loading 2nd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
0935 1115	**Continue excavating and staging soils in Area A. Decon Excavator & start excavating and staging soils of Debris Pile B.**	**None**	
1250 1345	**Start lining & loading the 3rd haul truck. Finish loading 3rd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1346 1430	**Start lining & loading the 3rd haul truck. Finish loading 3rd haul truck. Driver heads up to area to have load burrito wrapped, tapped and labeled.**	**None**	
1435 1445	**Start excavating deep cut in Debris Pile A (TP-5). Bedrock at 1'bg.**	**None**	
1530	**Leave Site for the day.**	**None**	
NOTE	**4 loads hauled to landfill today**		

	Site Manager / SSHO	**7-31-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-3-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Monday	Contract Day: 9	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	62	Temp Max. (°F):	75
PM Conditions	Sunny	Temp Min. (°F):	75	Temp Max. (°F):	78

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician	1	9
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	1	16
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	9
	Loader	938	1	1	9
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	9
A&T Environmental	Scissor Lift	Scissor Lift	1	2	16

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0715	Arrive at Site and conduct tailgate safety meeting.	None	
0725 0750 0825	Start lining the 1st haul truck. Start loading 1st haul truck. 1st load burrito wrapped, tapped, labeled and leaves Site.	None	
0750 0805 0835	Start lining the 2nd haul truck. Start loading 2nd haul truck. 2nd load burrito wrapped, tapped, labeled and leaves Site.	None	
0835 0855 0920	Start lining the 3rd haul truck. Start loading 3rd haul truck. 3rd load burrito wrapped, tapped, labeled and leaves Site.	None	
0905 0920 1015	Start lining the 4th haul truck. Start loading 4th haul truck. 4th load burrito wrapped, tapped, labeled and leaves Site.	None	
0935 1000 1035 1040	Start lining the 5th haul truck. Start loading 5th haul truck. 5th load burrito wrapped, tapped, labeled and leaves Site. Start grubbing in Area C and confirm excavation limits.	None	
1140 1210 1245	Start lining the 6th haul truck. Start loading 6th haul truck. 6th load burrito wrapped, tapped, labeled and leaves Site.	None	
1215 1245 1335	Start lining the 7th haul truck. Start loading 7th haul truck. 7th load burrito wrapped, tapped, labeled and leaves Site.	None	
1300 1320 1350	Start lining the 8th haul truck. Start loading 8th haul truck. 8th load burrito wrapped, tapped, labeled and leaves Site.	None	
1350 1405 1430	Start lining the 9th haul truck. Start loading 9th haul truck. 9th load burrito wrapped, tapped, labeled and leaves Site.	None	
1405 1415 1440	Start lining the 10th haul truck. Start loading 10th haul truck. 10th load burrito wrapped, tapped, labeled and leaves Site.	None	
1445 NOTE	Excavate and stockpile soils in Area B. 10 loads hauled to landfill today	None	

	Site Manager / SSHO	8-3-2020
Signature	**Position**	**Date**

Distribution: ☐Site File ☐Office File ☐Project Manager ☐Client

DAILY CONSTRUCTION REPORT

Date: 8-4-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Tuesday	Contract Day: 10	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	65	Temp Max. (°F):	72
PM Conditions	Sunny	Temp Min. (°F):	72	Temp Max. (°F):	73

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	17	Technician	1	8
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	5	40
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	9
	Loader	938	1	1	8
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	8
A&T Environmental	Scissor Lift	Scissor Lift	1	2	16

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0720 0740 0810	**Start lining the 1st haul truck. Start loading 1st haul truck. 1st load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
0743 0755 0820	**Start lining the 2nd haul truck. Start loading 2nd haul truck. 2nd load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
0831 0848 0930	**Start lining the 3rd haul truck. Start loading 3rd haul truck. 3rd load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
0905 0920 0955	**Start lining the 4th haul truck. Start loading 4th haul truck. 4th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
0930 0941 1010 1040	**Start lining the 5th haul truck. Start loading 5th haul truck. 5th load burrito wrapped, tapped, labeled and leaves Site. Excavate & stockpile soils in Area B.**	**None**	
1125 1135 1200	**Start lining the 6th haul truck. Start loading 6th haul truck. 6th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
1212 1225 1255	**Start lining the 7th haul truck. Start loading 7th haul truck. 7th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
1300 1314 1340	**Start lining the 8th haul truck. Start loading 8th haul truck. 8th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
1315 1330 1400	**Start lining the 9th haul truck. Start loading 9th haul truck. 9th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
1330 11355 1410	**Start lining the 10th haul truck. Start loading 10th haul truck. 10th load burrito wrapped, tapped, labeled and leaves Site.**	**None**	
1410 1600 NOTE	**Excavate and stockpile soils in Area C. Leave Site for the day. 10 loads hauled to landfill today.**	**None**	

	Site Manager / SSHO	**8-4-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-5-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Wednesday	Contract Day: 11	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	56	Temp Max. (°F):	68
PM Conditions	Sunny	Temp Min. (°F):	68	Temp Max. (°F):	73

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	2	16	Technician	1	8
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	5	40
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	8
	Loader	938	1	1	8
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	8
A&T Environmental	Scissor Lift	Scissor Lift	1	2	16

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710 0720	Arrive at Site and conduct tailgate safety meeting. Kevin & Katie inspect Area A. Approve for backfill.	None	
0750 0805 0820	Start lining the 1st haul truck. Start loading 1st haul truck. 1st load burrito wrapped, tapped, labeled and leaves Site.	None	
0825 0840 0855	Start lining the 2nd haul truck. Start loading 2nd haul truck. 2nd load burrito wrapped, tapped, labeled and leaves Site.	None	
0900 0915 0940	Start lining the 3rd haul truck. Start loading 3rd haul truck. 3rd load burrito wrapped, tapped, labeled and leaves Site.	None	
0942 1000 1030	Start lining the 4th haul truck. Start loading 4th haul truck. 4th load burrito wrapped, tapped, labeled and leaves Site.	None	
1035 1055	Excavate deep cut in Area B and collect bottom sample. Continue excavating in Area C and stockpiling soils.	None	
1210 1225 1255	Start lining the 5th haul truck. Start loading 5th haul truck. 5th load burrito wrapped, tapped, labeled and leaves Site.	None	
1230 1245 1305	Start lining the 6th haul truck. Start loading 6th haul truck. 6th load burrito wrapped, tapped, labeled and leaves Site.	None	
1305 1317 1348	Start lining the 7th haul truck. Start loading 7th haul truck. 7th load burrito wrapped, tapped, labeled and leaves Site.	None	
1320 1335 1405	Start lining the 8th haul truck. Start loading 8th haul truck. 8th load burrito wrapped, tapped, labeled and leaves Site.	None	
1410 1600	Excavate and stockpile soils in Area C. Leave Site for the day.	None	
NOTE	8 loads hauled to landfill today.	None	

Signature	Position	Date
	Site Manager / SSHO	8-5-2020

Distribution: ☐Site File ☐Office File ☐Project Manager ☐Client

DAILY CONSTRUCTION REPORT

Date: 8-6-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Thursday	Contract Day: 12	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	58	Temp Max. (°F):	72
PM Conditions	Sunny	Temp Min. (°F):	72	Temp Max. (°F):	78

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	2	16	Technician	1	8
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	5	40
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	8
	Loader	938	1	1	8
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	8
A&T Environmental	Scissor Lift	Scissor Lift	1	3	24

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	Arrive at Site and conduct tailgate safety meeting.	None	
0725 0740 0805	Start lining the 1st haul truck. Start loading 1st haul truck. 1st load burrito wrapped, tapped, labeled and leaves Site.	None	
0740 0755 0818	Start lining the 2nd haul truck. Start loading 2nd haul truck. 2nd load burrito wrapped, tapped, labeled and leaves Site.	None	
0845 0900 0925	Start lining the 3rd haul truck. Start loading 3rd haul truck. 3rd load burrito wrapped, tapped, labeled and leaves Site.	None	
1040 1100 1125	Start lining the 4th haul truck. Start loading 4th haul truck. 4th load burrito wrapped, tapped, labeled and leaves Site.	None	
1100 1115 1137	Start lining the 5th haul truck. Start loading 5th haul truck. 5th load burrito wrapped, tapped, labeled and leaves Site.	None	
1140 1155 1210	Start lining the 6th haul truck. Start loading 6th haul truck. 6th load burrito wrapped, tapped, labeled and leaves Site.	None	
1220 1237 1310	Start lining the 7th haul truck. Start loading 7th haul truck. 7th load burrito wrapped, tapped, labeled and leaves Site.	None	
1237 1310 1320	Start lining the 8th haul truck. Start loading 8th haul truck. 8th load burrito wrapped, tapped, labeled and leaves Site.	None	
1600	Leave Site for the day.	None	
NOTE	8 loads hauled to landfill today.	None	

Signature	Position	Date
	Site Manager / SSHO	8-6-2020

Distribution: ☐Site File ☐Office File ☐Project Manager ☐Client

DAILY CONSTRUCTION REPORT

Date: 8-7-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Friday	Contract Day: 13	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	62	Temp Max. (°F):	70
PM Conditions	Sunny	Temp Min. (°F):	70	Temp Max. (°F):	79

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	2	16	Technician	1	8
	Semi-Skilled			Common			Trainee		
A&T Environmental	Supervisor	1	8	Foreman			Skilled	5	40
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	8
	Loader	938	1	1	8
	Dozer	D3	1	1	2
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	1	1	8
A&T Environmental	Scissor Lift	Scissor Lift	1	3	24

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710 0715	Arrive at Site and conduct tailgate safety meeting. Kevin & Katie arrive on Site.	None	
0720 0735 0756	Start lining the 1st haul truck. Start loading 1st haul truck. 1st load burrito wrapped, tapped, labeled and leaves Site.	None	
0735 0750 0808	Start lining the 2nd haul truck. Start loading 2nd haul truck. 2nd load burrito wrapped, tapped, labeled and leaves Site.	None	
0808 0820 0840	Start lining the 3rd haul truck. Start loading 3rd haul truck. 3rd load burrito wrapped, tapped, labeled and leaves Site.	None	
0820 0833 0850	Start lining the 4th haul truck. Start loading 4th haul truck. 4th load burrito wrapped, tapped, labeled and leaves Site.	None	
0850 0903 0915	Start lining the 5th haul truck. Start loading 5th haul truck. 5th load burrito wrapped, tapped, labeled and leaves Site.	None	
0905 0915 0938	Start lining the 6th haul truck. Start loading 6th haul truck. 6th load burrito wrapped, tapped, labeled and leaves Site.	None	
1113 1125 1145	Start lining the 7th haul truck. Start loading 7th haul truck. 7th load burrito wrapped, tapped, labeled and leaves Site.	None	
1150 1200 1220	Start lining the 8th haul truck. Start loading 8th haul truck. 8th load burrito wrapped, tapped, labeled and leaves Site.	None	
1200 1220 1237	Start lining the 9th haul truck. Start loading 9th haul truck. 9th load burrito wrapped, tapped, labeled and leaves Site.	None	
1240 1250 1308	Start lining the 10th haul truck. Start loading 10th haul truck. 10th load burrito wrapped, tapped, labeled and leaves Site.	None	
1250 1300 1320 1330 1500 NOTE:	Start lining the 11th haul truck. Start loading 11th haul truck. 11th load burrito wrapped, tapped, labeled and leaves Site. Decon Equipment. Leave Site for the day. 11 Loads hauled out of Area C. Water truck called off rent.	None	

	Site Manager / SSHO	8-7-2020
Signature	**Position**	**Date**

Distribution: ☐Site File ☐Office File ☐Project Manager ☐Client

DAILY CONSTRUCTION REPORT

Date: 8-10-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Monday	Contract Day: 14	Total Days:

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	68	Temp Max. (°F):	82
PM Conditions	Sunny	Temp Min. (°F):	82	Temp Max. (°F):	88

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	2
	Loader	938	1	0	Idle
	Dozer	D3	1	1	9
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1
	Water Truck	2000 Gallon	Demob		

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0730	**Brugmann haul trucks start delivering fill material and start backfilling and grading Area A.**	**None**	
0740	**Kevin & Katie arrive on Site & inspect Areas B & C. Approval to backfill both areas.**	**None**	
1545	**Leave Site for the day.**	**None**	
		None	
	Brugmann delivers 20 loads of fill material. 408.25 tons	**None**	
	Area A: 18 loads / 369.45 tons **Area C: 2 loads / 38.80 tons**	**None**	
		None	
		None	
		None	
		None	
		None	

Signature | **Site Manager / SSHO** **Position** | **8-10-2020** **Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-11-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Tuesday	Contract Day: 15	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	70	Temp Max. (°F):	79
PM Conditions	Sunny	Temp Min. (°F):	79	Temp Max. (°F):	81

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Technician		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	4
	Loader	938	1	0	Idle
	Dozer	D3	1	1	9
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0730	**Brugmann haul trucks start delivering fill material and start backfilling and grading Area C**	**None**	
1330	**Add 3 loads of fill to Area A and grade.**	**None**	
1430	**Area C backfilled and graded. Start backfilling Area B.**	**None**	
1600	**Leave Site for the day.**	**None**	
	Brugmann delivers 27 loads of fill material. 549.00 tons	**None**	
	Area A: 3 loads / 62.74 tons **Area B: 4 loads / 79.80 tons** **Area C: 20 loads / 406.46 tons**	**None**	

	Site Manager / SSHO	**8-11-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-12-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Wednesday	Contract Day: 16	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	69	Temp Max. (°F):	77
PM Conditions	Sunny	Temp Min. (°F):	77	Temp Max. (°F):	82

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Project Manager	1	2
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	8
	Loader	938	1	0	Idle
	Dozer	D3	1	1	9
	Compaction Roller	CS 38	1	1	2
	Skid Steer w/Broom	277	1	1	1

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site and conduct tailgate safety meeting.**	**None**	
0730	**Brugmann haul trucks start delivering topsoil and start spreading in Area A**	**None**	
0800	**Kevin Sedlak arrives at Site.**	**None**	
0830	**Kevin leaves Site. Tim and Cody head over to Load Line 2 to collect waste class samples.**	**None**	
1100	**Tim & Cody finished at Load Line 2. Codey leaves Site with samples.**	**None**	
1200	**Start grading topsoil in Area C with excavator**	**None**	
1430 1500	**Start grading fill material in Area B. Start grading topsoil in Area B.**	**None**	
1600	**Leave Site for the day.**	**None**	
Note:	**Roller called off rent.**		
	Area A: 11 loads topsoil / 231.29 tons Area B: 4 loads fill material / 83.87 tons Area B: 7 loads topsoil / 147.11 tons Area C: 5 loads topsoil / 106.68 tons		

	Site Manager / SSHO	**8-12-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-13-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Thursday	Contract Day: 17	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	76	Temp Max. (°F):	83
PM Conditions	Sunny	Temp Min. (°F):	83	Temp Max. (°F):	86

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	9	Equipment Operator	2	18	Project Manager		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
LCS	Supervisor			Foreman	1	8	Skilled	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	1	2
	Loader	938	1	0	Idle
	Dozer	D3	1	1	4
	Compaction Roller	CS 38	1	1	4
	Skid Steer w/Broom	277	1	1	1
LCS	Pick Up Truck	F-350	2	2	16

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site. Kevin Sedlak arrives on Site and inspects areas ready for seeding.**	**None**	
0800	**Land Clearing Specialists (LCS) arrive on Site. Conduct tailgate safety meeting.**	**None**	
0810	**LCS crew start seeding and placing straw mat in Area C. PARS grads out topsoil in Area B.**	**None**	
1130	**Finished grading topsoil in Area B. All areas ready for seed.**	**None**	
1135	**PARS dress up and compact all haul roads.**	**None**	
1155	**LCS finished Area C and start seeding and placing straw mat in Area A.**	**None**	
1300	**All haul roads graded and compacted. All equipment fueled up.**	**None**	
1315	**Drive loader to Load Line 2 and stage rest of equipment in front for demobilization.**	**None**	
1600	**Leave Site for the day.**		

	Site Manager / SSHO	**8-13-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

DAILY CONSTRUCTION REPORT

Date: 8-14-2020	Project #: 895-35	Inspector: Allen Campione
Day of Week: Friday	Contract Day: 18	Total Days: 18

Weather Conditions					
AM Conditions	Sunny	Temp Min. (°F):	71	Temp Max. (°F):	80
PM Conditions	Sunny	Temp Min. (°F):	80	Temp Max. (°F):	86

Accidents		
Accident Occur? ☐Yes x☐No	Accident Report Completed? ☐Yes ☐ No	Loss Time? ☐Yes ☐ No

Visitors		
Name	Company	Site Safety Awareness Given?
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No
		☐Yes ☐No

Contractors and Personnel									
Name	Type	Number	Hours	Type	Number	Hours	Type	Number	Hours
Pars	Supervisor	1	8	Equipment Operator	2	16	Project Manager		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
LCS	Supervisor			Foreman	1	8	Skilled	1	8
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		
	Supervisor			Foreman			Skilled		
	Semi-Skilled			Common			Trainee		

Contractor Equipment (Active or Idle)					
Contractor/Sub	Equipment	Description	# Pieces	# Used	Total Hours Used
PARS	Excavator	320	1	0	Idle
	Loader	938	1	0	Off Site
	Dozer	D3	1	1	1
	Compaction Roller	CS 38	1	1	1
	Skid Steer w/Broom	277	1	1	1
LCS	Pick Up Truck	F-350	2	2	16

PARS ENVIRONMENTAL
a Montrose Environmental Group company

DAILY CONSTRUCTION REPORT

Daily Log			
Time of Entry	**Remarks**	**Problems Occurred**	**Solutions**
0710	**Arrive at Site. Conduct tailgate safety meeting.**	**None**	
0720	**Land Clearing Specialists (LCS) continue seeding & placing straw mat in Area A.**	**None**	
0730	**CAT arrives to move excavator, dozer and skid steer to Load Line 2.**	**None**	
0830	**Equipment moved to Load Line 2.**	**None**	
0845	**LCS finished seeding and placing straw mat in Area A. Start seeding and placing straw mat in Area B.**	**None**	
0915	**Porta Pot picked up and off Site.**	**None**	
1000	**Fuel tank picked up and off Site.**	**None**	
1010	**CAT leaves Site with Roller to return to CAT.**	**None**	
1230	**LCS finished seeding and placing straw mat in Area B. Start seeding and placing straw all bare areas along access road.**	**None**	
1330	**All seeding complete. Kevin Sedlak arrives at Site to inspect. Kevin approves Site is completely seeded.**	**None**	
1335	**Leave Site for the day.**	**None**	

	Site Manager / SSHO	**8-14-2020**
Signature	**Position**	**Date**

Distribution: ☐**Site File** ☐**Office File** ☐**Project Manager** ☐**Client**

APPENDIX I

Certification of Visual Inspection

CERTIFICATE OF VISUAL INSPECTION

Project Name: Former Ravenna Army Ammunition Plant

Address: 8541 State Route 5

Ravenna, Ohio 44266

Work Area: Quarry Pond

Location: Debris Pile A

CONTRACTORS CERTIFICATION

In accordance with all federal, state and local laws, regulations, codes, standards and requirements and any more stringent criteria agreed upon, the contractor hereby certifies that they have visually inspected the work area (all surfaces including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.) and have found no dust, debris or residue.

By (Signature) _____ Date: 8/10/2020

(Print Name) Vance Ross/AS32373

(Print Title) Asbestos Abatement Hazard Specialist

INDEPENDENT PROFESSIONAL AIR SAMPLING LABORATORY CERTIFICATION

The Independent Professional Air Sampling Laboratory hereby certifies that they have accompanied the contractor on a visual inspection and verifies that this inspection has been thorough and to the best of their knowledge and belief, the contractor's certification above is a true and honest one.

By (Signature) _____ Date: _____

(Print Name) _____

(Print Title) _____

CERTIFICATE OF VISUAL INSPECTION

Project Name: Former Ravenna Army Ammunition Plant

Address: 8541 State Route 5

Ravenna, Ohio 44266

Work Area: Quarry Pond

Location: Debris Pile B

CONTRACTORS CERTIFICATION

In accordance with all federal, state and local laws, regulations, codes, standards and requirements and any more stringent criteria agreed upon, the contractor hereby certifies that they have visually inspected the work area (all surfaces including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.) and have found no dust, debris or residue.

By (Signature) _____ Date: 8/10/2020

(Print Name) Vance Ross/AS32373

(Print Title) Asbestos Abatement Hazard Specialist

INDEPENDENT PROFESSIONAL AIR SAMPLING LABORATORY CERTIFICATION

The Independent Professional Air Sampling Laboratory hereby certifies that they have accompanied the contractor on a visual inspection and verifies that this inspection has been thorough and to the best of their knowledge and belief, the contractor's certification above is a true and honest one.

By (Signature) _____ Date: _____

(Print Name) _____

(Print Title) _____

APPENDIX J

Disposal Documentation

Appendix A
Construction/Demolition Diversion and Waste Disposal Form

Project Title **Non-Time Critical Removal Action for CC RVAAP-67 Facility-wide Sewers and CC RVAAP-75 George Road Sewage Treatment Plant Ravenna Army Ammunition Plant Restoration Program**

Date	Material Type*	Material Description**	Total Quantity of Material	Tons/lbs/CY/each	Disposal Facility Name/City/State	Total Number of Manifest/Disposal Tickets Attached
2/18/2020	Reutilized Material	Cut and mulched trees	250	Tons	NA - Chipped and Broadcast Onsite	NA
5/27/2020	Reutilized Material	Cut and mulched trees	1	Ton	NA - Stacked for firewood	NA
7/28/2020	Friable Asbestos	Asbestos Debris and Soil	65.97	Tons	Republic Services/ Gracemont/Ohio	3
7/29/2020	Friable Asbestos	Asbestos Debris and Soil	144.75	Tons	Republic Services/ Gracemont/Ohio	6
7/30/2020	Friable Asbestos	Asbestos Debris and Soil	184.49	Tons	Republic Services/ Gracemont/Ohio	7
7/31/2020	Friable Asbestos	Asbestos Debris and Soil	105.31	Tons	Republic Services/ Gracemont/Ohio	5
8/3/2020	Friable Asbestos	Asbestos Debris and Soil	271.89	Tons	Republic Services/ Gracemont/Ohio	11
8/4/2020	Friable Asbestos	Asbestos Debris and Soil	246.98	Tons	Republic Services/ Gracemont/Ohio	10
8/5/2020	Friable Asbestos	Asbestos Debris and Soil	210.82	Tons	Republic Services/ Gracemont/Ohio	6
8/6/2020	Friable Asbestos	Asbestos Debris and Soil	195.24	Tons	Republic Services/ Gracemont/Ohio	8
8/7/2020	Friable Asbestos	Asbestos Debris and Soil	282.25	Tons	Republic Services/ Gracemont/Ohio	11
END						

***Material Type:** C&D Debris, Recyclable/Reutilized Material, Universal Waste, TSCA Regulated Waste

****Material Description:** C&D Debris (wood, glass, asphalt, concrete, soil, plastic etc…)
Recyclable Material (scrap metal and concrete etc….)
Universal Waste (bulbs, mercury containing devices, used batteries)
TSCA Waste (asbestos, PCB's, lead based paints)

WASTE TRACKING SHEET

Project Name: CC RVAAP-78 Project Location: Former Ravenna/CJAG Project Number: 895-35

Date	Type of Waste	Profile Number	Manifest Number	Disposal Facility	Truck Company	Truck Number	Weight (tons)	Load of Day
7/28/2020	Friable Asbestos with Soil	3684 20 8798	1309935	Republic County Services	Berner Trucking	532	20.98	1
7/28/2020	Friable Asbestos with Soil	3684 20 8798	1309859	Republic County Services	Berner Trucking	527	23.46	2
7/28/2020	Friable Asbestos with Soil	3684 20 8798	1309851	Republic County Services	Berner Trucking	532	21.53	3
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1310138	Republic County Services	Berner Trucking	511	25.15	1
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1310080	Republic County Services	Berner Trucking	506	24.52	2
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1310067	Republic County Services	Berner Trucking	512	23.00	3
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1310050	Republic County Services	Berner Trucking	527	23.35	4
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1310045	Republic County Services	Berner Trucking	511	23.70	5
7/29/2020	Friable Asbestos with Soil	3684 20 8798	1309948	Republic County Services	Berner Trucking	527	25.03	6
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310307	Republic County Services	Berner Trucking	527	26.7	1
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310317	Republic County Services	Berner Trucking	506	25.59	2
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310269	Republic County Services	Chuck Foster Trucking	15208523	33.4	3
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310285	Republic County Services	Chuck Foster Trucking	00093	25.45	4
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310184	Republic County Services	Berner Trucking	512	26.22	5
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310155	Republic County Services	Berner Trucking	506	21.61	6
7/30/2020	Friable Asbestos with Soil	3684 20 8798	1310149	Republic County Services	Berner Trucking	527	25.52	7
7/31/2020	Friable Asbestos with Soil	3684 20 8798	1310364	Republic County Services	Chuck Foster Trucking	15208523	14.26	1
7/31/2020	Friable Asbestos with Soil	3684 20 8798	1310424	Republic County Services	Chuck Foster Trucking	00093	18.09	2
7/31/2020	Friable Asbestos with Soil	3684 20 8798	1310458	Republic County Services	Berner Trucking	506	25.74	3
7/31/2020	Friable Asbestos with Soil	3684 20 8798	1310465	Republic County Services	Berner Trucking	527	25.37	4

7/31/2020	Friable Asbestos with Soil	3684 20 8798	1310554	Republic County Services	Berner Trucking	506	21.85	5
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310692	Republic County Services	Berner Trucking	512	23.50	1
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310767	Republic County Services	Berner Trucking	512	23.87	2
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310764	Republic County Services	Berner Trucking	527	23.95	3
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310750	Republic County Services	Berner Trucking	501	25.15	4
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310754	Republic County Services	Berner Trucking	538	24.82	5
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310739	Republic County Services	Berner Trucking	506	26.59	6
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310666	Republic County Services	Berner Trucking	501	27.13	7
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310688	Republic County Services	Berner Trucking	527	24.81	8
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310686	Republic County Services	Berner Trucking	538	24.22	9
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310649	Republic County Services	Berner Trucking	506	24.35	10
8/3/2020	Friable Asbestos with Soil	3684 20 8798	1310606	Republic County Services	Berner Trucking	527	23.50	11
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310971	Republic County Services	Berner Trucking	527	25.24	1
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310968	Republic County Services	Berner Trucking	512	24.14	2
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310963	Republic County Services	Berner Trucking	538	24.59	3
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310949	Republic County Services	Berner Trucking	501	24.59	4
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310914	Republic County Services	Berner Trucking	506	24.69	5
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310853	Republic County Services	Berner Trucking	538	23.15	6
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310877	Republic County Services	Berner Trucking	527	26.64	7
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310863	Republic County Services	Berner Trucking	512	24.81	8
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310837	Republic County Services	Berner Trucking	501	25.31	9
8/4/2020	Friable Asbestos with Soil	3684 20 8798	1310828	Republic County Services	Berner Trucking	506	23.82	10

8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311167	Republic County Services	Berner Trucking	527	27.85	1
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311155	Republic County Services	Berner Trucking	512	25.93	2
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311144	Republic County Services	Berner Trucking	501	27.71	3
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311143	Republic County Services	Berner Trucking	538	27.63	4
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311079	Republic County Services	Berner Trucking	527	25.94	5
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311069	Republic County Services	Berner Trucking	512	24.57	6
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311054	Republic County Services	Berner Trucking	538	26.18	7
8/5/2020	Friable Asbestos with Soil	3684 20 8798	1311046	Republic County Services	Berner Trucking	501	25.01	8
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311362	Republic County Services	Berner Trucking	512	25.85	1
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311360	Republic County Services	Berner Trucking	501	28.22	2
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311334	Republic County Services	Berner Trucking	538	22.94	3
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311333	Republic County Services	Berner Trucking	497	26.38	4
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311324	Republic County Services	Berner Trucking	502	19.97	5
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311269	Republic County Services	Berner Trucking	512	24.26	6
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311253	Republic County Services	Berner Trucking	501	24.39	7
8/6/2020	Friable Asbestos with Soil	3684 20 8798	1311240	Republic County Services	Berner Trucking	538	23.23	8
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311482	Republic County Services	Berner Trucking	526	25.74	1
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311460	Republic County Services	Berner Trucking	527	24.63	2
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311451	Republic County Services	Berner Trucking	502	25.56	3
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311445	Republic County Services	Berner Trucking	512	26.61	4
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311431	Republic County Services	Berner Trucking	538	26.32	5
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311437	Republic County Services	Berner Trucking	501	25.61	6

8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311512	Republic County Services	Berner Trucking	538	27.11	7
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311535	Republic County Services	Berner Trucking	501	25.12	8
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311536	Republic County Services	Berner Trucking	512	25.69	9
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311553	Republic County Services	Berner Trucking	502	24.86	10
8/7/2020	Friable Asbestos with Soil	3684 20 8798	1311556	Republic County Services	Berner Trucking	527	25.00	11

Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 3684208798	**Expiration Date** 6/29/2021	
I. Decision Request:	☑ **Initial** ☐ **Recertification** ☐ **Change**		

Disposal Facility: 3684 - Countywide Landfill

Generator Name: Former Ravenna Army Ammunition Plant

Generator Site Address: 8451 State Route 5

City: Ravenna	**County:**	**State:** OH	**Zip:**

Name of Waste: Friable Asbestos - Contaminated Soil and Debris

Estimated Annual Volume: 2500 Tons

II. Special Waste Department Decision: ☑ **Approved** ☐ **Rejected**

Management Method(s): ☑ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☑ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☑ Not Applicable

Precautions, Conditions or Limitations on Approval

Friable asbestos and regulated ACM must be managed in accordance with 40 CFR subpart M including provisions requiring proper packaging, shipping and manifesting.

Special Waste Analyst Signature: _____ **Name (Printed):** MARK PHILLIPS

Date: 7/10/2020

III. Facility Decision: ☐ **Approved** ☐ **Rejected**

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ **Name (Printed):** _____

Date: 7/10/2020

Special Waste Profile

REPUBLIC SERVICES

Disposal Facility: 3684 Countywide Landfill OH

Waste Profile #: 3684 20 8798

Sales Rep #: 748

I. Generator Information

Generator Name: Former Ravenna Army Ammunition Plant

Generator Site Address: 8451 State Route 5

City: Ravenna County: Portage State: Ohio Zip: 44266

State ID/Reg No: OH5210020736 State Approval/Waste Code: NAICS #:

Generator Mailing Address ☑ (if different) CJAG ENV Office, 1438 State Route 534 SW

City: Newton Falls County: Trumbull State: Ohio Zip: 44444

Generator Contact Name: Katie Tait Email: kathryn.s.tait.nfg@mail.mil

Phone Number: (614) 336-6136 Ext: Fax Number:

II. Billing Information

Bill To: Green Rock Strategies, LLC Contact Name: Heather McKay

Billing Address: 145 Williman St. Email: hmckay@greenrockllc.com

City: Charleston State: South Carolina Zip: 29455 Phone: (843) 901-1316

III. Waste Stream Information

Name of Waste: Friable Asbestos-Contaminated Soil and Debris

Process Generating Waste: Excavation of soil and building debris from former dump site located on the facility. Contaminated with asbestos over time.

Type of Waste: Pollution Control Waste Physical State: Solid Method of Shipment: Bulk

Estimated Volume: 2,500 Volume Type: Tons

Frequency: One-time Event (single project) Disposal Consideration: Landfill

IV. Representative Sample Certification

☐ **No Sample Taken**

☑ **Sample Taken** **Type of Sample** Composite Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☑ **Yes** ☐ **No**

Sample Date: 05/20/20 (collected)

Sample ID Numbers or SDS: WCQP-1, WCQP-2, WCQP-3

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Special Waste Profile

REPUBLIC SERVICES

V. Physical Characteristics of Waste

Characteristic Components (must equal 100%:)	% By Weight (out of 100% - ranges acceptable):
1. Soil	80-100
2. C & D Debris	5-20
3. Small Rocks/Veg Debris	0-5
4. PPE/Plastic/Trash	0-5
5.	

Color:	Odor (describe):	Does Waste Contain Free Liquids?	% Solids:	pH:	Flash Point:
Brown	Mild	☐ Yes ☑ No	100	N/A	>200 °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

1. Does this waste or generating process contain regulated concentrations of the following Pesticides and/ or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? ☐ Yes ☑ No
2. Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]? ☐ Yes ☑ No
3. Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761? ☐ Yes ☑ No
4. Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? ☐ Yes ☑ No
5. Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. ☐ Yes ☑ No
6. Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both? ☐ Yes ☑ No
7. Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31? ☐ Yes ☑ No
8. Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? ☐ Yes ☑ No
9. Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? ☐ Yes ☑ No
10. Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation. ☐ Yes ☑ No

Republic Services Waste Handling Questions

1. Does this waste generate heat or react when contacted with water/moisture? ☐ Yes ☑ No
2. Does the waste contain sulfur or sulfur by-products? ☐ Yes ☑ No
3. Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? ☑ Yes ☐ No

4a. Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? ☐ Yes ☑ No

4b. If yes to the above question, please provide clarification.

Special Waste Profile

REPUBLIC SERVICES

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectiaus waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

Kathryn S. Tait	Environmental Specialist 2	Ohio Army National Guard
Authorized Representative Name (Printed)	Title (Printed)	Company Name
Kathryn S Tait		29 June 2020
Representative Signature		Date

Summary Contract Activity Report

July 28, 2020 to July 31, 2020
Specific Contract(s) : '3684208798'

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

Contract	Weight Inbound	Weight Outbound	Volume Inbound	Volume Outbound	Count Inbound	Count Outbound	Billing Qty
3684208798							
SW-ASBESTOS-FRIABLE	500.52	0.00 TN	0.00	0.00 YD	0.00	0.00	500.52 TN
Contract Totals:	500.52	0.00 TN	0.00	0.00 YD	0.00	0.00	500.52 TN
	500.52	0.00 TN	0.00	0.00 YD	0.00	0.00	500.52 TN

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1309935	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/28/20 3:36 pm	7/28/20 3:45 pm

VEHICLE: BERNER532
CONTAINER:
REFERENCE: BOB
BILL OF LADING:

SCALE IN GROSS WEIGHT 75,080 NET TONS 20.98
TARE OUT TARE WEIGHT 33,120 NET WEIGHT 41,960

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
20.98	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

S-F042UPR (04/19)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	07280-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Kate Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: BERNER Trucking # 532 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 07 Day 28 Year 20

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: X Bob Cox — Signature: [signature] — Month 07 Day 28 Year 20
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: [illegible] — Signature — Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072820-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/28/20

Transporter

10. Transporter 1 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

11. Transporter 2 Company Name: Beaver Trucking

Complete Mailing Address: Crown Rd Dover, OH

Telephone Number (including area code): 330-343-5812

Driver Signature: Bob Cox

Printed Name and Title: Bob Cox Driver

Date: 7-28-2020

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature:

Date: 7-28-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1309859	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/28/20 11:28 am	7/28/20 11:56 am

VEHICLE: BERNER527

CONTAINER:

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN	GROSS WEIGHT	80,140	NET TONS	23.46	INBOUND
SCALE OUT	TARE WEIGHT	33,220	NET WEIGHT	46,920	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.46	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1739	072820-02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336 6138

Att Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Bierner Trucking #527

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3555

U.S. EPA ID Number
OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3604208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 07 Day 28 Year 20

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: Shawn Walters
Signature:
Month 07 Day 28 Year 20

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 7 Day 28 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ___ NO

WSR Number: 072820-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	20
___ non-friable asbestos	Cat I ___ Cat II ___			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec. 2

Signature: Kathleen S Tait

Date: 07/28/20

Transporter

10. Transporter 1 Company Name: Farner Trucking

Complete Mailing Address: 5813 Crown Rd Dover OH

Telephone Number (including area code): 330-343-5812

Driver Signature:

Printed Name and Title: Steven A Miller

Date: 7-28-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:

Signature:

Date: 7-28-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1309851	CELL 1
WEIGHMASTER Kimberly K.		
DATE/TIME IN 7/28/20 11:02 am	DATE/TIME OUT 7/28/20 11:44 am	
VEHICLE BERNER532	CONTAINER	
REFERENCE BOB		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	76,180	NET TONS	21.53
SCALE OUT	TARE WEIGHT	33,120	NET WEIGHT	43,060

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
21.53	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 502-803-1733	4. Waste Tracking Number 072820-01

GENERATOR

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Kelle Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name — U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3865

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208790

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 07 Day 28 Year 20

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: Bob Cox — Signature: Bob Cox — Month 07 Day 28 Year 20

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 7 Day 28 Year 20

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072820-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number:

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	20
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envirl Spec 2

Signature: Kathryn S Tait

Date: 07/28/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: Dover, Oh

Crown Rd,

Telephone Number (including area code): 330-343-5812

Driver Signature: Bob Cox

Printed Name and Title: Bob Cox Driver

Date: 7-28-2020

11. Transporter 2 Company Name: Berner Trucking

Complete Mailing Address: Crown Rd Dover, Oh

Telephone Number (including area code): 330-343-5812

Driver Signature:

Printed Name and Title:

Date:

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KL

Signature: [illegible]

Date: 7-28-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

OCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310138	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/29/20 3:24 pm	7/29/20 4:00 pm

VEHICLE: BERNER511

CONTAINER:

REFERENCE: euell

BILL OF LADING:

SCALE IN GROSS WEIGHT 80,340 NET TONS 25.15 INBOUND
SCALE OUT TARE WEIGHT 30,040 NET WEIGHT 50,300 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.15	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 0729 20-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 338-8138

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Patriot Trucking 511
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3866
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn Tait
Month 7 Day 29 Year 20

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: Eugene McCrackin Jr
Signature: Eugene McCrackin Jr
Month 7 Day 29 Year 20
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: Tracy Pulp
Signature: Tracy
Month 7 Day 29 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 07 29 20-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envirl Spec 2

Signature: Kathryn S Tait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING INC.

Complete Mailing Address
5885 CROWN RD
DOVER, OH.

Telephone Number (including area code)
330-340-5812

Driver Signature: Eugene R McGlothlin Jr

Printed Name and Title: EUGENE R MCGLOTHLIN, JR TRUCK DRIVER

Date

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature

Date: 7-29-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310080	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/29/20 12:29 pm	7/29/20 1:03 pm

VEHICLE: BERNER506
CONTAINER:
REFERENCE: ANDREW
BILL OF LADING:

SCALE IN GROSS WEIGHT 80,980 NET TONS 24.52
SCALE OUT TARE WEIGHT 31,940 NET WEIGHT 49,040

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.52	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number OH5210020736	2. Page 1 of 1	3. Emergency Response Phone 302-803-1733	4. Waste Tracking Number 072970-04

GENERATOR

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bonner Trucking Soc
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
9619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-2855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM		Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 29 Year 20

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: Andrew Shell
Signature: Andrew Shell
Month 7 Day 29 Year 20
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 7 Day 29 Year 20

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 07 29 20-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Taut Emvtl Spec 2

Signature: Kathryn S Taut

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: Berner trucking

Complete Mailing Address: PO BOX 660 Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 7 29 20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cole

Signature

Date: 7/29/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

ITE RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

USTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1310067	CELL 1	
WEIGHMASTER	TRACEY C.		
DATE/TIME IN	7/29/20 12:04 pm	DATE/TIME OUT	7/29/20 12:40 pm
VEHICLE	BERNER512	CONTAINER	
REFERENCE	JODY		
BILL OF LADING			

MANUAL IN GROSS WEIGHT 76,400 NET TONS 23.00
SCALE OUT TARE WEIGHT 30,400 NET WEIGHT 46,000

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.00	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-FI42TIPR (03/16)

SIGNATURE

Waste Shipment Form was handed back to Driver
OOPS!

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number OH5210020738	2. Page 1 of 1	3. Emergency Response Phone 502-803-1733	4. Waste Tracking Number 0729 20-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1439 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bether Trucking SLL
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM		Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 29 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 7 Day 29 Year 20

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 7 Day 29 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

ITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

USTOMER
000050
PENNOHIO
813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310050	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/29/20 11:42 am	7/29/20 11:42 am

VEHICLE	CONTAINER
BERNER527	

REFERENCE: shawn

BILL OF LADING:

SCALE IN	GROSS WEIGHT	79,920	NET TONS	23.35	INBOUND
TARE OUT	TARE WEIGHT	33,220	NET WEIGHT	46,700	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.35	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 0724 20 - 01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 336-6138

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner Trucking 527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 24 Year 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: Shane Lutsker
Signature:
Month 7 Day 24 Year 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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072920-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: (502)803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: Bonner Trucking CO

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 813-5812

Driver Signature

Printed Name and Title

Date: 7-29-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 7-29-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310045	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/29/20 10:46 am	7/29/20 11:32 am

VEHICLE	CONTAINER
BERNER511	

REFERENCE: EUELL

BILL OF LADING

SCALE IN	GROSS WEIGHT	77,580	NET TONS	23.70	INBOUND
SCALE OUT	TARE WEIGHT	30,180	NET WEIGHT	47,400	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.70	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 072920-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 814 336-8136

Att Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
6451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: BERRAR Trucking #511
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208796

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 07 Day 29 Year 20

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: [illegible]
Signature: [illegible]
Month 07 Day 29 Year 20

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 7 Day 24 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072920-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Env MH Spec 2

Signature: Kathryn S Tait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: BERNER TRUCKING INC

Complete Mailing Address: 5885 CROWN RD DOVER, OH

Telephone Number (including area code): 330-343-5812

Driver Signature: Buck McLittle Jr.

Printed Name and Title: BUCK MCLITTLE JR TRUCK DRIVER

Date

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KR

Signature

Date: 7/29/2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1309948	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/29/20 6:47 am	7/29/20 6:47 am

VEHICLE: BERNER527

CONTAINER:

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,280 NET TONS 25.03 INBOUND
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 50,060 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.03	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042UPR (04/19)

SIGNATURE

Manif# 802361

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020738	1	602-803-1733	072800 - 04

GENERATOR

5. Generator's Name and Mailing Address
CJAG ENV Office
1436 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 814 338-8136

Alt: Kattie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Dorrer Trucking #527
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3513 Gracemont St SW
East Sparta OH 44626
Facility's Phone: 330 874-2855
U.S. EPA ID Number
OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 07 Day 28 Year 20

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: Sam Mokko
Signature:
Month 07 Day 28 Year 20

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

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 870820-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec. 2

Signature: Kathryn S Tait

Date: 7/28/20

Transporter

10. Transporter 1 Company Name: Xpress Trucking

Complete Mailing Address: 5812 Creek Rd Dover Rd

Telephone Number (including area code): 343-5812

Driver Signature

Printed Name and Title: Shawn Walters

Date: 7-28-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 7-29-2020

DCE-230-97

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

TE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

ISTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310307	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/30/20 1:40 pm	7/30/20 1:40 pm

VEHICLE: BERNER527
CONTAINER:
REFERENCE: SHAWN
BILL OF LADING:

SCALE IN GROSS WEIGHT 86,620 NET TONS 26.70
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 53,400

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.70	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020738	1	502-803-1733	073020-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1435 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Beard Trucking 527
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number
OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208796

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Katherine Tait
Signature: Katherine Tait
Month 7 Day 30 Year 20

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: Sean Mellos
Signature:
Month 7 Day 30 Year 20
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: Tracey Cole
Signature:
Month 7 Day 30 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 07302-23

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/30/20

Transporter

10. Transporter 1 Company Name: Fisher Trucking

Complete Mailing Address: 5812 Crown Rd Tiffin OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Shane Wolfe

Date: 7-30-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature:

Date: 7.30.20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

ITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

USTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310317	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/30/20 2:04 pm	7/30/20 2:04 pm

VEHICLE: BERNER506

CONTAINER:

REFERENCE: ANDREW

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,120 NET TONS 25.59
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 51,180

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.59	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number OH5210020730	2. Page 1 of 1	3. Emergency Response Phone 502-803-1733	4. Waste Tracking Number 0730 20-04

GENERATOR

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-8136

Alt Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Patriot Trucking 506
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3856
U.S. EPA ID Number
OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	[1]RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 364420879R

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Stail
Signature: Kathryn Stail
Month 7 Day 30 Year 20

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: Andrew Shell
Signature: Andrew Shell
Month 7 Day 30 Year 20
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 7 Day 30 Year 20

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 07302-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Enviroll Spec 2

Signature: Kathryn S Tait

Date: 7/30/20

Transporter

10. Transporter 1 Company Name
Berner Trucking

Complete Mailing Address
P.O Box 660
Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 7-30-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature

Date: 7.30.20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310269	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/30/20 11:56 am	7/30/20 11:56 am

VEHICLE: FOSTER15208523

CONTAINER:

REFERENCE: GARY

BILL OF LADING:

SCALE IN GROSS WEIGHT 99,440 NET TONS 33.40
TARE OUT TARE WEIGHT 32,640 NET WEIGHT 66,800

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.40	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020730

2. Page 1 of 1

3. Emergency Response Phone: 502-603-1733

4. Waste Tracking Number: 073020-02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Alt: Katie Tait
Generator's Phone: 614 336-8136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Fort Hill 8520
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3656
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3664208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn Tait
Month 7 Day 30 Year 20

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: Gary Schmidt
Signature: Gary Schmidt
Month 7 Day 30 Year 20

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 7 Day 30 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073020-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/30/20

Transporter

10. Transporter 1 Company Name: Foster / Green Rock

Complete Mailing Address: Austintown OH

Telephone Number (including area code): 330-565-6408

Driver Signature: Gary Schmidt

Printed Name and Title: GARY Schmidt Driver

Date: 7-30-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature: Gary Schmidt

Printed Name and Title: GARY Schmidt Driver

Date: 7-30-20

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Trudy Cup

Signature:

Date: 7.30.20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310285	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/30/20 11:53 am	7/30/20 12:29 pm

VEHICLE: FO0093

CONTAINER:

REFERENCE: MIKE B

BILL OF LADING:

SCALE IN GROSS WEIGHT 85,280 NET TONS 25.45
SCALE OUT TARE WEIGHT 34,380 NET WEIGHT 50,900

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.45	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 07302-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Chuck Foster Trucking Inc 0093
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3866
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 30 Year 20

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: Mike Bhazer
Signature: Mike Bhazer
Month 7 Day 30 Year 20

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: Trevor Tulp
Signature
Month 7 Day 30 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073020-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 7/30/20

Transporter

10. Transporter 1 Company Name
Chuck Foster Trucking
Complete Mailing Address
5620 Mahoning Ave #B
Austintown, Ohio 44515
Telephone Number (including area code)
330-341-0550

Driver Signature: Mike Blazer
Printed Name and Title: Mike Blazer - Driver
Date: 7/30/2020

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)

Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: TRACY CULP Scale
Signature
Date: 73020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310184	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/30/20 8:29 am	7/30/20 8:29 am

VEHICLE	CONTAINER
BERNER512	

REFERENCE: JODY

BILL OF LADING:

SCALE IN	GROSS WEIGHT	82,840	NET TONS	26.22	INBOUND
TARE OUT	TARE WEIGHT	30,400	NET WEIGHT	52,440	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.22	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042UFR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020738
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 07 M10-07

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266
Generator's Phone: 614 336-6136

6. Transporter 1 Company Name: Bert Trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3865
U.S. EPA ID Number: OHRO0003830

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn J Tait
Signature: Kathryn J Tait
Month 7 Day 29 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 7 Day 29 Year 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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072920-07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Environtl Spec 2

Signature: Kathryn S Tait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC

Complete Mailing Address: 5855 Crown RD N.W. Dover, OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 7-29-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 7-30-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

OCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310155	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/30/20 6:48 am	7/30/20 6:48 am

VEHICLE: BERNER506
CONTAINER:
REFERENCE: ANDREW
BILL OF LADING:

SCALE IN	GROSS WEIGHT	75,160	NET TONS	21.61	INBOUND
TARE OUT	TARE WEIGHT	31,940	NET WEIGHT	43,220	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
21.61	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020730

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 07 24 20-- 01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Alliance Trucking 506
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3655
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604200790

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn Tait
Month 7 Day 29 Year 20

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: Andrew Shell
Signature: Andrew Shell
Month 7 Day 29 Year 20
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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 072920-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn STait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: Berner trucking

Complete Mailing Address: P.O BOX 669 Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 7-29-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KL

Signature

Date: 7-30-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310149	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/30/20 6:39 am	7/30/20 6:39 am

VEHICLE: BERNER527
CONTAINER:
REFERENCE: SHAWN
BILL OF LADING:

SCALE IN	GROSS WEIGHT	84,260	NET TONS	25.52	INBOUND
TARE OUT	TARE WEIGHT	33,220	NET WEIGHT	51,040	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.52	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020738
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 07 24 10-06

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Belmont trucking 517
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3955
U.S. EPA ID Number: OHR000033390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	70	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 24 Year 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: Jason Kistler
Signature:
Month 7 Day 24 Year 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

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0729 20-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/29/20

Transporter

10. Transporter 1 Company Name: Berger Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title:

Date: 7-29-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: RK

Signature:

Date: 7-30-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310364	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/31/20 6:52 am	7/31/20 6:52 am

VEHICLE: FOSTER15208523
CONTAINER:
REFERENCE: gary
BILL OF LADING:

SCALE IN GROSS WEIGHT 61,160 NET TONS 14.26 INBOUND
TARE OUT TARE WEIGHT 32,640 NET WEIGHT 28,520 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.26	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

TS 1042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	073320-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 335-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Foster trucking 8523
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3413 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3856
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 30 Year 20

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: GARY Schmidt
Signature:
Month 7 Day 30 Year 20
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 7 Day 30 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073020-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code):
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address:
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-308-1733

2. Operator's Name and Complete Mailing Address:
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address:
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl spec 2
Signature: Kathryn S Tait
Date: 7/30/20

Transporter

10. Transporter 1 Company Name: Foster Trkg / Green Rock
Complete Mailing Address: Austintown OH. 44515
Telephone Number (including area code): 330-565-0408
Driver Signature: Gary Schmidt
Printed Name and Title: Gary Schmidt Driver
Date: 7-30-20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KK
Signature:
Date: 7-30-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

01 | 1310424 | 1

WEIGHMASTER: Kimberly K.

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

DATE/TIME IN: 7/31/20 9:28 am
DATE/TIME OUT: 7/31/20 9:28 am
VEHICLE: FO0093
CONTAINER:
REFERENCE: mike
BILL OF LADING:

SCALE IN GROSS WEIGHT 70,560 NET TONS 18.09 INBOUND
TARE OUT TARE WEIGHT 34,380 NET WEIGHT 36,180 INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
18.09	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UFR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-603-1733

4. Waste Tracking Number: 0730 20-06

5. Generator's Name and Mailing Address
CJAG ENV Office
1498 State Route 534 SW
Newton Fall OH 44444
Alt Katie Tait
Generator's Phone: 614 334-6138

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Foster Wheeler 0093
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3618 Greenmont St SW
East Sparta OH 44626
Facility's Phone: 330 874-3858
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208790

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn Tait
Month 7 Day 30 Year 20

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: Mike Pharper
Signature: Mike Pharper
Month 7 Day 30 Year 20

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

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0730 D-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envirl Spec 2

Signature: Kathryn S Tait

Date: 7/30/20

Transporter

10. Transporter 1 Company Name: Chuck Foster Trucking

Complete Mailing Address: 5820 Mahoning Ave #B Austintown Ohio 44515

Telephone Number (including area code): 330 341-0550

Driver Signature: Robert Howell

Printed Name and Title: Robert Howell Driver

Date: 7/30/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 7/31/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310458	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
7/31/20 10:57 am	7/31/20 10:57 am

VEHICLE: BERNER506

CONTAINER:

REFERENCE: ANDREW

BILL OF LADING:

SCALE IN	GROSS WEIGHT	83,420	NET TONS	25.74	INBOUND
TARE OUT	TARE WEIGHT	31,940	NET WEIGHT	51,480	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.74	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 073140-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Kelle Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Reiner Trucking 526
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3665
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 31 Year 20

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: Andrew Shell
Signature: Andrew Shell
Month 7 Day 31 Year 20
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

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073120-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 7/31/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: PO Box 660 Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 7-31-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 7-31-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310465	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
7/31/20 11:23 am	7/31/20 11:23 am

VEHICLE: BERNER527
CONTAINER:
REFERENCE: SHAWN
BILL OF LADING:

SCALE IN GROSS WEIGHT 83,960 NET TONS 25.37
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 50,740

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.37	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

(04/08/04/19)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 602-803-1733

4. Waste Tracking Number: 073120 - 02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bermes 527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3555
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9 PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Stout
Signature: Kathryn Stout
Month 7 Day 31 Year 20

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: [illegible]
Signature: [illegible]
Month 7 Day 31 Year 20

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: [illegible]
Signature: [illegible]
Month 7 Day 31 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073120-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl spec2

Signature: Kathryn S Tait

Date: 7/31/20

Transporter

10. Transporter 1 Company Name: Baker Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 313-5812

Driver Signature

Printed Name and Title: Shane Walters

Date: 7-31-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracey Culp

Signature

Date: 7-31-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01 | TICKET # 1310554 | CELL 1
WEIGHMASTER TRACEY C.
DATE/TIME IN 7/31/20 3:52 pm | DATE/TIME OUT 7/31/20 3:52 pm
VEHICLE BERNER506 | CONTAINER
REFERENCE ANDREW
BILL OF LADING

SCALE IN GROSS WEIGHT 75,640 NET TONS 21.85 INBOUND
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 43,700 INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
21.85	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH6210020736	1	502-903-1733	073120-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336 6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bernot Sub — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3919 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 7 Day 31 Year 20

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: Howard Shell — Signature: Howard Shell — Month 7 Day 31 Year 20
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 7 Day 31 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 073120-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Taut Envmtl Spec 2

Signature: Kathryn S Taut

Date: 7/31/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: PO Box 669 Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 7-31-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Trolley Culp Supt

Signature

Date: 7/31/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

Summary Contract Activity Report

August 03, 2020 to August 07, 2020
Specific Contract(s) : '3684208798'

Contract	Weight Inbound	Weight Outbound	Volume Inbound	Volume Outbound	Count Inbound	Count Outbound	Billing Qty
3684208798							
SW-ASBESTOS-FRIABLE	1,207.18	0.00 TN	0.00	0.00 YD	0.00	0.00	1,207.18 TN
Contract Totals:	1,207.18	0.00 TN	0.00	0.00 YD	0.00	0.00	1,207.18 TN
	1,207.18	0.00 TN	0.00	0.00 YD	0.00	0.00	1,207.18 TN

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1310692	CELL 1
WEIGHMASTER	TRACEY C.	
DATE/TIME IN 8/3/20 11:56 am		DATE/TIME OUT 8/3/20 11:56 am
VEHICLE	BERNER512	CONTAINER
REFERENCE	jody	
BILL OF LADING		

MANUAL IN GROSS WEIGHT 77,400 NET TONS 23.50
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 47,000

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.50	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS FHJJUPR (04/19)

SIGNATURE _____

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080320-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envrnctl Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC.

Complete Mailing Address: 5885 Crown RD.NW Dover OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cole Scale

Signature:

Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020738	1	502-803-1733	OPD 20-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 336-8136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
[illegible]
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-2855
U.S. EPA ID Number
OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 1684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 3 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 3 Year 20
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 8 Day 3 Year 20

GENERATOR

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310767	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/3/20 4:03 pm	8/3/20 4:03 pm

VEHICLE: BERNER512

CONTAINER:

REFERENCE: jody

BILL OF LADING:

SCALE IN GROSS WEIGHT 78,140 NET TONS 23.87
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 47,740

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.87	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: O H 5 2 1 0 0 2 0 7 3 6

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 080710-10

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 6 1 4 9 3 6 - 6 1 3 6

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: [illegible]
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-2855
U.S. EPA ID Number: O H R 0 0 0 0 3 8 3 9 0

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	0 0 1	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 5 Year 20

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

[illegible] 9 3 20

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

Printed/Typed Name: [illegible]
Signature:
Month [illegible] Day 3 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0 P D 3 20 - P

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Environmental Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berner Trucking, INC.

Complete Mailing Address: 5885 Town RD NW Dover OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels Driver

Date: 8/3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature

Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

TO

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1310764	CELL 1	
WEIGHMASTER TRACEY C.			
DATE/TIME IN 8/3/20 3:51 pm		DATE/TIME OUT 8/3/20 3:51 pm	
VEHICLE BERNER527		CONTAINER	
REFERENCE shawn			
BILL OF LADING			

SCALE IN GROSS WEIGHT 81,120 NET TONS 23.95
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 47,900

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.95	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

[illegible] (04/19)

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: DR030-09

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5814

Driver Signature:

Printed Name and Title: Shawn Walter

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Pulo

Signature:

Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: [illegible]

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 326-8136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bevan 511
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-2866
U.S. EPA ID Number: OHR000003390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month: 5 Day: 2 Year: 20

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: Jody Nickels
Signature: Jody Nickels
Month: 5 Day: 2 Year: 20
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:

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1310750	CELL 1
WEIGHMASTER	TRACEY C.	
DATE/TIME IN 8/3/20 2:57 pm		DATE/TIME OUT 8/3/20 2:57 pm
VEHICLE BERNER501		CONTAINER
REFERENCE michael		
BILL OF LADING		

SCALE IN GROSS WEIGHT 82,620 NET TONS 25.15
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 50,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.15	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

(R) 004,008 (04/19)

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 020320-07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Enviro Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5965 Crown RD NW Dover 44622

Telephone Number (including area code): 330-343-5812

Driver Signature:

Printed Name and Title: Michael Walck

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tammy Cole

Signature:

Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020730	1	502-603-1733	05030-27

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336 6136

Att: Kelle Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
[illegible]
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3613 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number
OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 368420879B

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: M. Chest
Signature:
Month 8 Day 5 Year 20

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 8 Day 3 Year 20

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310754	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/3/20 3:16 pm	8/3/20 3:16 pm

VEHICLE: BERNER538
CONTAINER:
REFERENCE: euell
BILL OF LADING:

SCALE IN GROSS WEIGHT 81,780 NET TONS 24.82
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 49,640

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.82	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

OS T042UPR (04/19)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020738	1	502-803-1733	083320 - 08

5. Generator's Name and Mailing Address
CJAG ENV Office
1436 State Route 534 SW
Newton Fall OH 44444
Alt. Katie Tait
Generator's Phone: 814 336-8136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Bay 538
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracement St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number
OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 1664208790

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 3 Year 20

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: Ewell R McLaughlin Jr
Signature: Ewell R McLaughlin Jr
Month 8 Day 3 Year 20

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 8 Day 3 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08030-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envntl Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name
BORNER TRUCKING, INC.

Complete Mailing Address
5885 CROWN RD
DOVER, OH.

Telephone Number (including area code)

Driver Signature: Euell R McGlothlin Jr

Printed Name and Title: EUELL R MCGLOTHLIN, JR

Date

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Phillips Scale

Signature

Date: 8/3/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
- 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310739	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/3/20 2:25 pm	8/3/20 2:25 pm

VEHICLE: BERNER506
CONTAINER:
REFERENCE: andrew
BILL OF LADING:

SCALE IN GROSS WEIGHT 85,120 NET TONS 26.59
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 53,180

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.59	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0823 20 - 06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envirotl Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name
Berner Trucking
Complete Mailing Address
P o Box 660
Doles, OH 44622
Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Clift

Signature

Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	0805 20-06

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Attn: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
[illegible]
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3856
U.S. EPA ID Number
OHR000030390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 1604208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S. Tait
Signature: Kathryn Stait
Month 8 Day 3 Year 20

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: Andrew Shell
Signature: Andrew Shell
Month 8 Day 3 Year 20
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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310666	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/3/20 10:11 am	8/3/20 10:51 am

VEHICLE: BERNER501
CONTAINER:
REFERENCE: MICHAEL
BILL OF LADING:

SCALE IN GROSS WEIGHT 86,580 NET TONS 27.13 INBOUND
SCALE OUT TARE WEIGHT 32,320 NET WEIGHT 54,260 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.13	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: OP0320-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Enviro spec 2

Signature: Kathryn S Tait

Date: 8/3/22

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5885 Crown RD Dover OH

Telephone Number (including area code): 330-343-5812

Driver Signature

Printed Name and Title: Michael Hatch

Date: 8-3-22

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-3-2022

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number OH5210020738	2. Page 1 of 1	3. Emergency Response Phone 502-803-1733	4. Waste Tracking Number 080320-01

GENERATOR

5. Generator's Name and Mailing Address
Att: Kelle Tait
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 338-6138

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Brown 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3866
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL # 3684208790

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathleen Tait
Signature: Kathleen S Tait
Month 8 Day 3 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Hatch
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Michael Hatch
Signature:
Month 8 Day 3 Year 20

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 8 Day 3 Year

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310688	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/3/20 11:42 am	8/3/20 11:42 am

VEHICLE: BERNER527

CONTAINER:

REFERENCE: shawn

BILL OF LADING:

SCALE IN GROSS WEIGHT 82,840 NET TONS 24.81 INBOUND
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 49,620 INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.81	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer

SIGNATURE

CS F042(IPR (04/19)

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080320-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl specz

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berger Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Steven Walters

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:

Signature:

Date: 8-3-202

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080370-04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6138

Att: Kate Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Beart 527
U.S. EPA ID Number

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number
OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos ≠, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 3 Year 20

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: [illegible]
Signature: [illegible]
Month 8 Day 3 Year 20

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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310686	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/3/20 10:57 am	8/3/20 11:40 am

VEHICLE: BERNER538

CONTAINER:

REFERENCE: EUELL

BILL OF LADING:

SCALE IN	GROSS WEIGHT	80,580	NET TONS	24.22	INBOUND
SCALE OUT	TARE WEIGHT	32,140	NET WEIGHT	48,440	INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.22	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

TCS F042UPR (04/19)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 0303 10 - 01

5. Generator's Name and Mailing Address
CJAG ENV Office
1430 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bert 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3866
U.S. EPA ID Number: OHR000036390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn Tait
Month 8 Day 3 Year 20

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: Euell R McGlothlin, Jr
Signature: Euell R McGlothlin, Jr
Month 8 Day 3 Year 20
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

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08 03 20 -03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING, INC

Complete Mailing Address
6885 CROWN RD
DOVER, OH

Telephone Number (including area code)

Driver Signature: Buell R McGlothlin, Jr.

Printed Name and Title: BUELL R MCGLOTHLIN, JR

Date: 8/3/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-3-2021

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

01	1310649	1

WEIGHMASTER: Kimberly K.
DATE/TIME IN: 8/3/20 9:56 am
DATE/TIME OUT: 8/3/20 9:56 am
VEHICLE: BERNER506
CONTAINER:
REFERENCE: andrew
BILL OF LADING:

SCALE IN GROSS WEIGHT 80,640 NET TONS 24.35 INBOUND
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 48,700 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.35	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 0903 20 002

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Alt Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Rehor 506
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3665
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	40	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 368420879A

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Stait
Signature: Kathryn Stait
Month 8 Day 5 Year 20

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: Andrew Snell
Signature: Andrew Snell
Month 8 Day 5 Year 20
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

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080320-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/3/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: PO BOX 660 DOVER, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 8-3-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KL

Signature

Date: 8-3-2020

DCE-230-97

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

DATE	TICKET #	CELL
01	1310606	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN: 8/3/20 7:13 am
DATE/TIME OUT: 8/3/20 7:13 am

VEHICLE: BERNER527
CONTAINER:

REFERENCE: shawn
BILL OF LADING:

SCALE IN GROSS WEIGHT 80,220 NET TONS 23.50 INBOUND
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 47,000 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.50	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

(S)1103UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH6210020736	1	502-603-1733	0731 20 - 04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att Kate Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name
Bethel 521

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St SW
East Sparta OH 44626
Facility's Phone: 330 874-3855

U.S. EPA ID Number
OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684200798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 7 Day 31 Year 20

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: [illegible]
Signature: [illegible]
Month 7 Day 31 Year 20

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: [illegible]
Signature: [illegible]
Month 8 Day 3 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 07 31 20-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 7/31/20

Transporter

10. Transporter 1 Company Name: Beiter Trucking
Complete Mailing Address: 5812 Crown Rd Dover OH
Telephone Number (including area code): 343-5812
Driver Signature:
Printed Name and Title: Shawn W Hess
Date: 7-31-20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:
Signature:
Date: 8-3-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310971	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/4/20 3:40 pm	8/4/20 3:40 pm

VEHICLE: BERNER527

CONTAINER:

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,700 NET TONS 25.24
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 50,480

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.24	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08 04 20-10

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envirolt spec 2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Shawn Walker

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cuff

Signature:

Date: 8/4/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

502887

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 602-803-1733
4. Waste Tracking Number: 0804 20-10

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bomer 527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Greacemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684206798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Sean Wilko
Signature:
Month 8 Day 4 Year 20
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: Tracy Clip
Signature:
Month 8 Day 14 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

ITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

USTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310968	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/4/20 3:25 pm	8/4/20 3:25 pm

VEHICLE: BERNER512

CONTAINER:

REFERENCE: JODY

BILL OF LADING:

SCALE IN GROSS WEIGHT 78,680 NET TONS 24.14
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 48,280

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.14	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080420-09

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Berner Trucking, INC.

Complete Mailing Address: 5885 Crown RD NW. Dover, OH

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 8/4/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracey Culp

Signature

Date: 8/4/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080420-09

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Alt. Kate Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Barr 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684206798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 4 Year 20
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

8/4/20

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tracey Cuppy
Signature:
Month 8 Day 4 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310963	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN: 8/4/20 3:08 pm

DATE/TIME OUT: 8/4/20 3:08 pm

VEHICLE: BERNER538

CONTAINER:

REFERENCE: EUELL

BILL OF LADING:

SCALE IN GROSS WEIGHT 81,320 NET TONS 24.59
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 49,180

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.59	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0804 NO-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Enviml Spec 2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING, INC

Complete Mailing Address
5885 CROWN RD
DOVER, OH

Telephone Number (including area code)
330.343.5812

Driver Signature: Cecil R McGlothlin Jr

Printed Name and Title: CECIL R MCGLOTHLIN, JR TRUCK DRIVER

Date: 8/4/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cole

Signature

Date: 8/4/20

DCE-230-97

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-603-1733
4. Waste Tracking Number: 08042D-08

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Alt: Kaite Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Reiner 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: EUELL R MCGLOTHLIN, JR
Signature: Euell R McGlothlin Jr
Month 8 Day 4 Year 20
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: Trinity Culp
Signature:
Month 8 Day 4 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310949	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/4/20 2:34 pm	8/4/20 2:34 pm

VEHICLE: BERNER501

CONTAINER:

REFERENCE: MICHAEL

BILL OF LADING:

SCALE IN GROSS WEIGHT 81,500 NET TONS 24.59 INBOUND
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 49,180 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.59	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19) SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-893-1735 Alt: Katie Tait
4. Waste Tracking Number: 080420-07

5. Generator's Name and Mailing Address
Kathryn Tait
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
6451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Brewer 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Conservation Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3856
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Michael Hatch
Signature:
Month 8 Day 4 Year 20
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: Tracy Culp
Signature:
Month 8 Day 4 Year 20

GENERATOR

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08042D-07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name
Berner trucking Inc

Complete Mailing Address
5445 Crown Rd
Dover OH 44485

Telephone Number (including area code)
330-343-5812

Driver Signature

Printed Name and Title: Michael Hatch

Date

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp

Signature: Tracy

Date: 8/4/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310914	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/4/20 1:17 pm	8/4/20 1:17 pm

VEHICLE	CONTAINER
BERNER506	

REFERENCE: ANDREW

BILL OF LADING:

SCALE IN GROSS WEIGHT 81,320 NET TONS 24.69
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 49,380

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.69	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080420-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: PO Box 660 Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp Scale

Signature: [illegible]

Date: 8/4/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080422-06

5. Generator's Name and Mailing Address
Att: Katie Tait
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Perry 506
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
9619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month: 8 Day: 4 Year: 20

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: Andrew Shell
Signature: Andrew Shell 8-4-20
Month: 8 Day: 4 Year: 20

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: Tracy Culp
Signature:
Month: 8 Day: 4 Year: 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310853	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/4/20 10:50 am	8/4/20 10:50 am

VEHICLE	CONTAINER
BERNER538	

REFERENCE: euell

BILL OF LADING:

SCALE IN	GROSS WEIGHT	78,440	NET TONS	23.15	INBOUND
TARE OUT	TARE WEIGHT	32,140	NET WEIGHT	46,300	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.15	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08 04 20-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: BERNER TRUCKING INC

Complete Mailing Address: 5885 CROWN RD DOVER, OH.

Telephone Number (including area code): 330-343-5812

Driver Signature: Buell R McClothlin Jr.

Printed Name and Title: BUELL R MCCLOTHLIN, JR TRUCK DRIVER

Date: 8/4/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-4-200

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 0804 20-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 936-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3865
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Euell R McGlothlin, Jr
Signature: Euell R McGlothlin, Jr
Month 8 Day 4 Year 20
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: KC
Signature:
Month 8 Day 4 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310877	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/4/20 11:35 am	8/4/20 11:35 am

VEHICLE	CONTAINER
BERNER527	

REFERENCE: shawn

BILL OF LADING

SCALE IN	GROSS WEIGHT	86,500	NET TONS	26.64	INBOUND
TARE OUT	TARE WEIGHT	33,220	NET WEIGHT	53,280	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.64	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042HDR (04/10)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080420-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Bonner Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Shawn Walters

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:

Signature:

Date: 8-4-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 0804 20-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3655
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Shawn Walters
Signature:
Month 8 Day 4 Year 20

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: 8-4-2020
Month 8 Day 4 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310863	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/4/20 11:16 am	8/4/20 11:16 am

VEHICLE	CONTAINER
BERNER512	

REFERENCE: jody

BILL OF LADING

SCALE IN GROSS WEIGHT 80,020 NET TONS 24.81
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 49,620

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.81	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS 5042UPP (04/10)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080420-04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bernco 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 4 Year 20
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: KK
Signature:
Month 8 Day 4 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0804 D-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC

Complete Mailing Address: 5885 Crown RD. NW Dover OH. 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickel

Printed Name and Title: Jody Nickel Driver

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KL

Signature: [illegible]

Date: 8-4-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310837	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/4/20 10:00 am	8/4/20 10:00 am

VEHICLE	CONTAINER
BERNER501	

REFERENCE: michael

BILL OF LADING

SCALE IN GROSS WEIGHT 82,940 NET TONS 25.31
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 50,620

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.31	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 080420-02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathleen S Tait
Month 8 Day 4 Year 20

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: Michael Hatch
Signature:
Month 8 Day 4 Year 20
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
8-4-20
Printed/Typed Name: KC
Signature:
Month 8 Day 4 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080420-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec2

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5885 Crown RD NW Dover OH

Telephone Number (including area code): 330-343-5812

Driver Signature

Printed Name and Title: Michael Hatch

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-4-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1310828	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN: 8/4/20 9:37 am

DATE/TIME OUT: 8/4/20 9:37 am

VEHICLE: BERNER506

CONTAINER:

REFERENCE:

BILL OF LADING: andrew

SCALE IN GROSS WEIGHT 79,580 NET TONS 23.82 INBOUND
TARE OUT TARE WEIGHT 31,940 NET WEIGHT 47,640 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.82	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-603-1733
4. Waste Tracking Number: 0804 20-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136
Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 506
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000036390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 4 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Berner Trucking
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Andrew Shell PO Box 660 Ravenna, OH 44622
Signature: Andrew Shell
Month 8 Day 4 Year 20

Transporter 2 Printed/Typed Name:
Signature: Andrew Shell 8-4-20
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: KL
Signature:
Month 8 Day 4 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08 04 20-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envirol specz

Signature: Kathryn S Tait

Date: 8/4/20

Transporter

10. Transporter 1 Company Name
Berner Trucking

Complete Mailing Address
PO Box 660
Dover, OH 44622

Telephone Number (including area code)

Driver Signature: Andrew Shell

Printed Name and Title: Andrew Shell

Date: 8-4-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KR

Signature: [signature]

Date: 8-4-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311167	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN: 8/5/20 3:27 pm

DATE/TIME OUT: 8/5/20 3:27 pm

VEHICLE: BERNER527

CONTAINER:

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN GROSS WEIGHT 88,920 NET TONS 27.85 INBOUND
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 55,700 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.85	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 08520 — 08

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bertek Trucking #527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: Sean A Johns
Signature:
Month 8 Day 5 Year 20
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: Tiffany Culp
Signature:
Month 8 Day 5 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec. 2

Signature: Kathryn S Tait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name: Berner Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Shawn Weiss

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp

Signature:

Date: 8/5/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311155	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/5/20 3:09 pm	8/5/20 3:09 pm

VEHICLE: BERNER512

CONTAINER:

REFERENCE: JODY

BILL OF LADING:

SCALE IN GROSS WEIGHT 82,260 NET TONS 25.93 INBOUND
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 51,860 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.93	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020738
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080520-07

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: BERNER Trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 5 Year 20
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: Tracy Culp
Signature:
Month 8 Day 5 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name: Berner Trucking, INC

Complete Mailing Address: 5885 Crown Rd. NW. Dover, OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp

Signature:

Date: 8/5/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311144	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/5/20 2:39 pm	8/5/20 2:39 pm

VEHICLE: BERNER501

CONTAINER:

REFERENCE: MICHAEL

BILL OF LADING:

SCALE IN GROSS WEIGHT 87,740 NET TONS 27.71 INBOUND
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 55,420 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.71	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080520-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: BECHER 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-2855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: M. Chael HATCH
Signature:
Month 8 Day 5 Year 20
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: Tracy Culp
Signature:
Month 8 Day 5 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name
Berner trucking Inc

Complete Mailing Address
5885 Crown RD NW
Dover OH

Telephone Number (including area code)
330-343-5512

Driver Signature

Printed Name and Title: Michael Hatch

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tammy Pulp

Signature

Date: 8/5/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311143	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN: 8/5/20 2:36 pm

DATE/TIME OUT: 8/5/20 2:36 pm

VEHICLE: BERNER538

CONTAINER:

REFERENCE: EUELL

BILL OF LADING:

SCALE IN GROSS WEIGHT 87,400 NET TONS 27.63

TARE OUT TARE WEIGHT 32,140 NET WEIGHT 55,260

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.63	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

802920

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-603-1733
4. Waste Tracking Number: 0805 20-06

5. Generator's Name and Mailing Address
CJAG ENV Office
Attn: Katie Tait
1438 State Route 534 SW
Newton Falls OH 44444
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bethel Trucking 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3865
U.S. EPA ID Number: OHR000036300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: EUELL R MCGLOTHLIN, JR.
Signature: Euell R McGlothlin, Jr
Month 8 Day 5 Year 20

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: Tracy Culp
Signature:
Month 8 Day 5 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

802920

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 8/5/20

Transporter

10. Transporter 1 Company Name: BERNER TRUCKING, INC
Complete Mailing Address: 5885 CROWN RD DOVER, OH
Telephone Number (including area code): 330-343-5813
Driver Signature: Buell R McGlothlin, Jr.
Printed Name and Title: BUELL R MCGLOTHLIN, JR. TRUCK DRIVER
Date: 8/5/20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Clark
Signature:
Date: 8/5/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311079	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/5/20 11:44 am	8/5/20 11:44 am

VEHICLE: BERNER527

CONTAINER:

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN	GROSS WEIGHT	85,100	NET TONS	25.94	INBOUND
TARE OUT	TARE WEIGHT	33,220	NET WEIGHT	51,880	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTA
0.00	YD	Tracking QTY				
25.94	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature _____

Thank you for your business

NET AMO

TENDERI

CHANG

CHECK

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 080520-04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 527
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3519 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: Shawn Walters
Signature:
Month 8 Day 5 Year 20

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 8 Day 5 Year 2020

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name
Berner Trucking

Complete Mailing Address
5812 Crown Rd
Dover OH

Telephone Number (including area code)
343-5812

Driver Signature

Printed Name and Title: Shawn Hess

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-5-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311069	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/5/20 11:09 am	8/5/20 11:09 am

VEHICLE	CONTAINER
BERNER512	

REFERENCE: JODY

BILL OF LADING:

SCALE IN	GROSS WEIGHT	79,540	NET TONS	24.57	INBOUND
TARE OUT	TARE WEIGHT	30,400	NET WEIGHT	49,140	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.57	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-863-1733

4. Waste Tracking Number: 080520-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6138

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3966
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 5 Year 20
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 8 Day 5 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn STait Envmt Spec 2

Signature: Kathryn STait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC

Complete Mailing Address: 5885 Crown RD. NW Dover, OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-5-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1311054	CELL 1
WEIGHMASTER Kimberly K.		
DATE/TIME IN 8/5/20 10:21 am		DATE/TIME OUT 8/5/20 10:21 am
VEHICLE BERNER538		CONTAINER
REFERENCE EUELL		
BILL OF LADING		

SCALE IN GROSS WEIGHT 84,500 NET TONS 26.18
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 52,360

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.18	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

802919

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080520-02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136
Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3856
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3604208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 5 Year 20

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: EWELL R MCGLOTHLIN, JR.
Signature: Ewell R McGlothlin Jr
Month 8 Day 5 Year 20
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 8 Day 5 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

802919

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: DPOS 20-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Env mtl Spec 2
Signature: Kathryn S Tait
Date: 8/5/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING, INC
Complete Mailing Address
5885 CROWN RD
DOVER, OH
Telephone Number (including area code)
330-343-5812

Driver Signature: Euell R McGlothlin, Jr
Printed Name and Title: EUELL R MCGLOTHLIN, JR TRUCK DRIVER
Date: 8/5/20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)

Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KR
Signature: [signature]
Date: 8-5-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE:

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311046	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/5/20 9:57 am	8/5/20 9:57 am

VEHICLE: BERNER501
CONTAINER:
REFERENCE: MICHAEL
BILL OF LADING:

SCALE IN	GROSS WEIGHT	82,340	NET TONS	25.01	INBOUND
TARE OUT	TARE WEIGHT	32,320	NET WEIGHT	50,020	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.01	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080520-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner 501 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait — Signature: Kathryn S Tait — Month 8 Day 5 Year 20

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: Michael HATCH — Signature: [signature] — Month 8 Day 5 Year 20

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: KLR — Signature: [signature] — Month 8 Day 5 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080520-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envirnmtl Spec 2

Signature: Kathryn S Tait

Date: 8/5/20

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5555 Crown Rd NW Dover, OH

Telephone Number (including area code): 330-343-5812

Driver Signature:

Printed Name and Title: Michael Hatch

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:

Signature:

Date: 8-5-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311362	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN: 8/6/20 3:04 pm

DATE/TIME OUT: 8/6/20 3:04 pm

VEHICLE: BERNER512

CONTAINER:

REFERENCE: JODY

BILL OF LADING:

SCALE IN GROSS WEIGHT 82,100 NET TONS 25.85
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 51,700

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.85	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number	NESHAP Notified	WSR Number
3684208798	X YES ____ NO	080620-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title	Signature	Date
Kathryn Tait Envirotl Spec 2	Kathryn S Tait	8/6/20

Transporter

10. Transporter 1 Company Name
Berner Trucking INC.
Complete Mailing Address
5885 Crown RD. NW.
Dover, OH 44622
Telephone Number (including area code)
330-343-5812

Driver Signature: Jody Nickels
Printed Name and Title: Jody Nickels
Date: 8-6-20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)

Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title	Signature	Date
Tracy Culp		8/10/20

WHITE - Disposal Site CANARY - Generator (To be mailed by Disposal Site) PINK - Transporter GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080620-08

5. Generator's Name and Mailing Address
Att: Katie Tait
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Beiner trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 6 Year 20

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: Tracey Culp
Signature:
Month 8 Day 6 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311360	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN: 8/6/20 2:49 pm

DATE/TIME OUT: 8/6/20 2:49 pm

VEHICLE: BERNER501

CONTAINER:

REFERENCE: MICHAEL

BILL OF LADING:

SCALE IN GROSS WEIGHT 88,760 NET TONS 28.22
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 56,440

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.22	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 08 06 20-07

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6138

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3819 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos B, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684200798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: Michael Hatch
Signature:
Month 8 Day 6 Year 20

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: Tracy Cole
Signature:
Month 8 Day 6 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080620 -07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn S Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/6/20

Transporter

10. Transporter 1 Company Name: Berner Trucking Inc.

Complete Mailing Address: 5865 Crown Rd Dover, OH

Telephone Number (including area code)

Driver Signature: Michael Hatch

Printed Name and Title

Date: 8-5-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy [illegible]

Signature

Date: 8/10/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311334	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/6/20 1:53 pm	8/6/20 1:53 pm

VEHICLE: BERNER538

CONTAINER:

REFERENCE: EUELL

BILL OF LADING:

SCALE IN GROSS WEIGHT 78,020 NET TONS 22.94
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 45,880

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
22.94	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (04/19)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 08012-06

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Kelle Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3655
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	2	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: EUELL R McGLOTHLIN, JR
Signature: Euell R McGlothlin Jr.
Month 8 Day 6 Year 20

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: Tracy Culp
Signature:
Month 8 Day 6 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0806 20-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz

Signature: Kathryn S Tait

Date: 8/6/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING, INC

Complete Mailing Address
5885 CROWN RD
DOVER, OH

Telephone Number (including area code)
330-343-5812

Driver Signature: Eugene McGlothlin Jr.

Printed Name and Title: EUGENE R MCGLOTHLIN JR.

Date: 8/6/20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: [illegible]

Signature: [illegible]

Date: 8-10-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE 01	TICKET # 1311333	CELL 1
WEIGHMASTER TRACEY C.		
DATE/TIME IN 8/6/20 1:13 pm		DATE/TIME OUT 8/6/20 1:46 pm
VEHICLE BERNER497		CONTAINER
REFERENCE DAVID		
BILL OF LADING		

SCALE IN GROSS WEIGHT 82,480 NET TONS 26.38
SCALE OUT TARE WEIGHT 29,720 NET WEIGHT 52,760

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.38	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 08 06 20 - 05

5. Generator's Name and Mailing Address
CJAG ENV Office
1436 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 497
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3955
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: DAVID LABUSKI
Signature:
Month 8 Day 6 Year 20
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
Tracy Culp

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: TRACY CULP
Signature:
Month 8 Day 6 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

BMI
Dmd

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080620-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code):
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address:
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address:
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address:
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl specz
Signature: Kathryn S Tait
Date: 8/6/20

Transporter

10. Transporter 1 Company Name: BERNER
Complete Mailing Address: 5881 CROWN RD. DOVER, OH 44622
Telephone Number (including area code): 330 343 5812
Driver Signature:
Printed Name and Title: DAVID LABUSKI
Date: 8/6/20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cr. LP
Signature:
Date: 8-6-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311324	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/6/20 12:53 pm	8/6/20 1:28 pm

VEHICLE: BERNER502

CONTAINER:

REFERENCE: Robert

BILL OF LAD...G:

SCALE IN GROSS WEIGHT 72,000 NET TONS 19.97
SCALE OUT TARE WEIGHT 32,060 NET WEIGHT 39,940

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
19.97	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020730
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080620-04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136
Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 502
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos g, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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 L Conklin II
Signature: 06 Aug 2020
Month 8 Day 6 Year 20
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: Tracy Culp
Signature:
Month 8 Day 6 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: DP06 20-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/6/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC

Complete Mailing Address: Dover OH

Telephone Number (including area code): 330 343 5812

Driver Signature: 06 Aug 2020

Robert L Conklin Jr Driver

Printed Name and Title

06 Aug 2020

Date

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Clip

Signature

Date: 8/6/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311269	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/6/20 10:53 am	8/6/20 10:53 am

VEHICLE: BERNER512

CONTAINER:

REFERENCE: JODY

BILL OF LADING:

SCALE IN GROSS WEIGHT 78,920 NET TONS 24.26 INBOUND
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 48,520 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.26	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080620-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code): CJAG ENV Office, 1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address: Former Ravenna Army Ammunition Plant, 8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address: A&T EnviroMental LLC, 66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address: Republic Countywide Landfill, 3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency: Ohio EPA Lazarus Government Center, 50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz

Signature: Kathryn S Tait

Date: 8/6/20

Transporter

10. Transporter 1 Company Name: Berner Trucking, INC.

Complete Mailing Address: 5885 Crown RD. NW. Dover, OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels

Date: 8-6-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-6-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080620-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Attn: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berger Trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 6 Year 20

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 8 Day 6 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311253	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/6/20 10:09 am	8/6/20 10:09 am

VEHICLE: BERNER501

CONTAINER:

REFERENCE: MICHAEL

BILL OF LADING:

SCALE IN	GROSS WEIGHT	81,100	NET TONS	24.39	INBOUND
TARE OUT	TARE WEIGHT	32,320	NET WEIGHT	48,780	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.39	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: D806 10-0 L

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title	Signature	Date
Kathryn Tait Environtl Spec 2	Kathryn S Tait	8/6/20

Transporter

10. Transporter 1 Company Name
Berner trucking Inc
Complete Mailing Address
5885 Crown Blvd
Dover OH
Telephone Number (including area code)

Driver Signature: Michael Hatch

Printed Name and Title

Date: 8-6-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title	Signature	Date
		8-6-20

WHITE - Disposal Site; CANARY - Generator (To be mailed by Disposal Site); PINK - Transporter; GOLD - Generator (To be taken prior to disposal)

DCE-230-97

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	08062-02

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Alt: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 501 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 6 Year 20

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: Michael Hatch — Signature: [signature] — Month 8 Day 6 Year 20

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] — Signature: [signature] — Month 8 Day 6 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street-East Sparta, OH 44626

CUSTOMER 000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311240	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/6/20 9:28 am	8/6/20 9:28 am

VEHICLE: BERNER538
CONTAINER:
REFERENCE: EUELL
BILL OF LADING:

SCALE IN	GROSS WEIGHT	78,600	NET TONS	23.23	INBOUND
TARE OUT	TARE WEIGHT	32,140	NET WEIGHT	46,460	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.23	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

RS-F042UPR (04/19)

803068

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-603-1733
4. Waste Tracking Number: 080620-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1439 State Route 534 SW
Newton Fall OH 44444
Att: Katie Tait
Generator's Phone: 614 336-6136

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bitner trucking 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 6 Year 20

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: EUELL R MCGLOTHLIN, JR
Signature: Euell R McGlothlin, Jr
Month 8 Day 6 Year 20

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

KR 8/6/20

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

Printed/Typed Name: KR
Signature:
Month 8 Day 6 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

803068

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080620-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envntl Spec 2
Signature: Kathryn S Tait
Date: 8/6/20

Transporter

10. Transporter 1 Company Name: BERNER TRUCKING, INC
Complete Mailing Address: 5885 CROWN RD DOVER, OH
Telephone Number (including area code): 330-343-5812
Driver Signature: Buell R McGlothlin, Jr.
Printed Name and Title: BUELL R MCGLOTHLIN, JR TRUCK DRIVER
Date:

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: KR
Signature:
Date: 8/6/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311482	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/7/20 11:10 am	8/7/20 11:45 am

VEHICLE	CONTAINER
BERNER526	

REFERENCE: JACK

BILL OF LADING

SCALE IN GROSS WEIGHT 83,240 NET TONS 25.74 INBOUND
SCALE OUT TARE WEIGHT 31,760 NET WEIGHT 51,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.74	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-603-1733	080720 -06

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Attn: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bonner Trucking 526 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3865
U.S. EPA ID Number: OHR000036390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

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: Jack Dobbins — Signature: Jack Dobbins — Month 8 Day 7 Year 20
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 8 Day 7 Year 20

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0P0720-06

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner Trucking Inc

Complete Mailing Address: 5885 Crown Rd N.W. Dover Ohio 44622

Telephone Number (including area code): (330) 343-5812

Driver Signature: Jack Dobbins

Printed Name and Title: Jack Dobbins

Date: 8 7 20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-7-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311460	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN: 8/7/20 10:45 am

DATE/TIME OUT: 8/7/20 10:45 am

VEHICLE: BERNER527

CONTAINER:

REFERENCE: shawn

BILL OF LADING:

SCALE IN GROSS WEIGHT 82,480 NET TONS 24.63 INBOUND
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 49,260 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.63	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

803075

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080720-05

5. Generator's Name and Mailing Address
CJAG ENV Office
1436 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Kaile Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner Trucking 527 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Graceland St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

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 8 Day 7 Year 20

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 8 Day 7 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

803075

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-05

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner Trucking
Complete Mailing Address: 5812 Crown Rd Dover OH
Telephone Number (including area code): 343-5812
Driver Signature:
Printed Name and Title: Shawn Walter
Date: 8-7-20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title:
Signature:
Date: 8-7-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311451	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/7/20 10:14 am	8/7/20 10:14 am

VEHICLE	CONTAINER
BERNER502	

REFERENCE: robert

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,180 NET TONS 25.56 INBOUND
TARE OUT TARE WEIGHT 32,060 NET WEIGHT 51,120 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.56	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080720-04

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 502 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

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: Robert L Conklin II — Signature: 07 Aug 2020 — Month 8 Day 7 Year 20

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 8 Day 7 Year 20

GENERATOR

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: D80720-04

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X Friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envntl Spec 2

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature: 07 Aug 2020

Robert L Conklin II

Printed Name and Title

Date: 07 Aug 2020

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-7-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311445	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/7/20 10:05 am	8/7/20 10:05 am

VEHICLE	CONTAINER
BERNER512	

REFERENCE: jody

BILL OF LADING

SCALE IN GROSS WEIGHT 83,620 NET TONS 26.61
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 53,220

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.61	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-803-1733

4. Waste Tracking Number: 080720-03

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner Trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

Berner Trucking Div
5885 Crown Rd NW
Dover

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jody Nickels — Signature: Jody Nickels — Month 8 Day 7 Year 20

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: KM — Signature: [signature] — Month 8 Day 7 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-03

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner Trucking INC
Complete Mailing Address: 5885 Crown RD. NW Dover, OH 44622
Telephone Number (including area code): 330-343-5812
Driver Signature: Jody Nickels
Printed Name and Title: Jody Nickels
Date: 8-7-20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title
Signature
Date: 8-7-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE
RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER
000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311431	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/7/20 9:23 am	8/7/20 9:23 am

VEHICLE: BERNER538
CONTAINER:
REFERENCE: euell
BILL OF LADING:

SCALE IN GROSS WEIGHT 84,780 NET TONS 26.32
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 52,640

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
26.32	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042(JPR (04/19)

SIGNATURE

803128

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 080720-01

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 7 Year 20

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: EUELL R McGLOTHLIN JR
Signature: Euell R. McGlothlin Jr
Month 8 Day 7 Year 20
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 8 Day 7 Year 20

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

803128

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-01

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
___ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz
Signature: Kathryn S Tait
Date: 8/7/20

Transporter

10. Transporter 1 Company Name: BERNER TRUCKING INC
Complete Mailing Address: 5885 CROWN RD DOVER, OH.
Telephone Number (including area code): 330-343-5812
Driver Signature: Eugene McGlothlin, Jr.
Printed Name and Title: EUGENE R MCGLOTHLIN, JR.
Date: 8/7/20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)
Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title
Signature
Date: 8-7-2020

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004

Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311437	1

WEIGHMASTER: Kimberly K.

DATE/TIME IN	DATE/TIME OUT
8/7/20 9:45 am	8/7/20 9:45 am

VEHICLE: BERNER501

CONTAINER:

REFERENCE: michael

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,540 NET TONS 25.61
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 51,220

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.61	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS 5042UPP (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736

2. Page 1 of 1

3. Emergency Response Phone: 502-603-1733

4. Waste Tracking Number: 080720-02

5. Generator's Name and Mailing Address

Att: Kalie Tait

CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444

Generator's Phone: 614 336-6136

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

Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 501

U.S. EPA ID Number:

7. Transporter 2 Company Name

U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626

Facility's Phone: 330 874-3855

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos g, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait

Signature: Kathryn S Tait

Month 8 Day 7 Year 20

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: Michael Hatch

Signature:

Month 8 Day 7 Year 20

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 8 Day 7 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 0807 20-02

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5445 Crown RD Dover, OH

Telephone Number (including area code)

Driver Signature: Michael HAtcH

Printed Name and Title: Michael HAtcH

Date: 8-7-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title

Signature

Date: 8-7-20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311512	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/7/20 1:14 pm	8/7/20 1:14 pm

VEHICLE: BERNER538

CONTAINER:

REFERENCE: EUELL

BILL OF LADING:

SCALE IN GROSS WEIGHT 86,360 NET TONS 27.11
TARE OUT TARE WEIGHT 32,140 NET WEIGHT 54,220

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.11	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

803129

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020730
2. Page 1 of 1
3. Emergency Response Phone: 502-803-1733
4. Waste Tracking Number: 0807 20 - 07

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 538
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038300

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 7 Year 20

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: EUGENE R McGLOTHLIN, JR
Signature: Eugene R McGlothlin Jr
Month 8 Day 7 Year 20
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

Tracey Culp 8-7-20

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tracey Culp
Signature:
Month 8 Day 7 Year 20

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

803129

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation_____
North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-07

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2
Signature: Kathryn S Tait
Date: 8/7/20

Transporter

10. Transporter 1 Company Name
BERNER TRUCKING, INC
Complete Mailing Address
5885 CROWN ROAD
DOVER, OH,
Telephone Number (including area code)
330-343-5812

Driver Signature: Euell R McGlothlin, Jr.
Printed Name and Title: EUELL R MCGLOTHLIN, JR.
Date: 8/7/20

11. Transporter 2 Company Name
Complete Mailing Address
Telephone Number (including area code)

Driver Signature
Printed Name and Title
Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cole
Signature:
Date: 8.7.20

WHITE - Disposal Site; CANARY - Generator (To be mailed by Disposal Site); PINK - Transporter; GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311535	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/7/20 1:58 pm	8/7/20 1:58 pm

VEHICLE: BERNER501

CONTAINER:

REFERENCE: MICHAEL

BILL OF LADING:

SCALE IN GROSS WEIGHT 82,560 NET TONS 25.12
TARE OUT TARE WEIGHT 32,320 NET WEIGHT 50,240

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.12	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature_____

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	08072 0-08

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berry trucking 501
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait
Signature: Kathryn S Tait
Month 8 Day 7 Year 20

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: Michael Hatch
Signature:
Month 8 Day 7 Year 20
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

8:15 AM

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tracy Culp
Signature:
Month 8 Day 7 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation _____

North _____ East _____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-08

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner trucking Inc

Complete Mailing Address: 5855 Crown RD NW. Dover, OH

Telephone Number (including area code): 330-343-5812

Driver Signature

Printed Name and Title: Michael Hatch

Date: 8-7-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Lilp

Signature

Date: 8.7.20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311536	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/7/20 2:02 pm	8/7/20 2:02 pm

VEHICLE: BERNER512

CONTAINER:

REFERENCE: JODY

BILL OF LADING:

SCALE IN GROSS WEIGHT 81,780 NET TONS 25.69
TARE OUT TARE WEIGHT 30,400 NET WEIGHT 51,380

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.69	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: OH5210020736
2. Page 1 of 1
3. Emergency Response Phone: 502-603-1733
4. Waste Tracking Number: 080720-09

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136
Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
9451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Berner trucking 512
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855
U.S. EPA ID Number: OHR000038380

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos S, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait
Signature: Kathryn S Tait
Month 8 Day 7 Year 20

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: Jody Nickels
Signature: Jody Nickels
Month 8 Day 7 Year 20
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: Mally Culp
Signature:
Month 8 Day 7 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 08 07 20 - 09

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Env mtl Spec 2

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Berner Trucking, INC.

Complete Mailing Address: 5885 Crown RD. NW. Dover, OH 44622

Telephone Number (including area code): 330-343-5812

Driver Signature: Jody Nickels

Printed Name and Title: Jody Nickels Driver

Date: 8-7-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracey Cole

Signature:

Date: 8 7 20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311553	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/7/20 2:34 pm	8/7/20 2:34 pm

VEHICLE: BERNER502

CONTAINER:

REFERENCE: BOB

BILL OF LADING:

SCALE IN GROSS WEIGHT 81,780 NET TONS 24.86
TARE OUT TARE WEIGHT 32,060 NET WEIGHT 49,720

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.86	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS F012UPR (04/19)

SIGNATURE

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080720-10

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 338-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Bonner trucking 502 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3619 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn S Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

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: Robert L Conklin II — Signature: 07 Aug 2020 — Month 8 Day 7 Year 20
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: Tracey Culp — Signature — Month 8 Day 7 Year 20

DESIGNATED FACILITY'S COPY

WASTE SHIPMENT RECORD / ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: OP0720-10

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Spec 2

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature: 07 Aug 2020

Printed Name and Title: Robert L Conklin II

Date: 07 Aug 2020

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Culp

Signature

Date: 8/7/20

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

SITE

RS - COUNTYWIDE RDF 330-874-3855
3619 Gracemont Street East Sparta, OH 44626

CUSTOMER

000050
PENNOHIO
4813 WOODMAN AVE
ASHTABULA, OH 44004
Contract:3684208798
Generator:Former Ravenna Army Ammunition Plant

SITE	TICKET #	CELL
01	1311556	1

WEIGHMASTER: TRACEY C.

DATE/TIME IN	DATE/TIME OUT
8/7/20 2:41 pm	8/7/20 2:41 pm

VEHICLE	CONTAINER
BERNER527	

REFERENCE: SHAWN

BILL OF LADING:

SCALE IN GROSS WEIGHT 83,220 NET TONS 25.00
TARE OUT TARE WEIGHT 33,220 NET WEIGHT 50,000

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.00	tn	SW-ASBESTOS-FRIABLE Origin:PORTAGE COUNTY 100%				

Signature

Thank you for your business

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS 5042UPP (04/19)

SIGNATURE

803076

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	OH5210020736	1	502-803-1733	080720-#1

5. Generator's Name and Mailing Address
CJAG ENV Office
1438 State Route 534 SW
Newton Fall OH 44444
Generator's Phone: 614 336-6136

Att: Katie Tait

Generator's Site Address (if different than mailing address)
Former Ravenna Army Ammunition Plant
8451 State Route 5
Ravenna OH 44266

6. Transporter 1 Company Name: Belnor trucking 527 — U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address
Republic Countywide Landfill
3613 Gracemont St. SW
East Sparta OH 44626
Facility's Phone: 330 874-3855

U.S. EPA ID Number: OHR000038390

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1 RQ NA2212, Asbestos 9, PGIII Friable Asbestos Contaminated Soil	001	CM	20	Y	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

APPROVAL# 3684208798

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kathryn Tait — Signature: Kathryn S Tait — Month 8 Day 7 Year 20

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: Tom Hubbard — Signature: [signature] — Month 8 Day 7 Year 20
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: Tracy Culp — Signature: [signature] — Month 8 Day 7 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

803076

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

Generator

1-A. Special Waste Profile Number: 3684208798

NESHAP Notified: X YES ____ NO

WSR Number: 080720-11

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code)
CJAG ENV Office
1438 State Route 534 SW Newton Falls, OH 44444

1-C. Generator's Phone Number: 614-336-6136

1-D. Work Site Address
Former Ravenna Army Ammunition Plant
8451 State Route 5 Ravenna, OH 44266

1-E. 24 Hour Emergency Response Telephone Number: 502-803-1733

2. Operator's Name and Complete Mailing Address
A&T EnviroMental LLC
66 Eldred Ave Cleveland, OH 44146

Operator's Phone Number: 216-551-7372

3. Waste Disposal Site (WDS) Name and Complete Mailing Address
Republic Countywide Landfill
3619 Gracemont St. SW East Sparta, OH 44626

WDS Phone Number: 330-874-3855

4. Name and Address of Responsible Agency
Ohio EPA Lazarus Government Center
50 W Town St. Suite 700 Columbus, OH 43215

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
X friable asbestos	RQ, NA2212, Asbestos, 9, PGIII	001	CM	
____ non-friable asbestos	Cat I ____ Cat II ____			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Kathryn Tait Envmtl Specz

Signature: Kathryn S Tait

Date: 8/7/20

Transporter

10. Transporter 1 Company Name: Beaver Trucking

Complete Mailing Address: 5812 Crown Rd Dover OH

Telephone Number (including area code): 343-5812

Driver Signature:

Printed Name and Title: Shawn Watkins

Date: 8-7-20

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title

Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: Tracy Cul

Signature:

Date: 8720

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

APPENDIX K

Backfill Documentation

Fill

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502212
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. > 73,060 < POUNDS
NET WT. > 29,200 < POUNDS
43,860

PROD. NO.	QUANTITY	DESCRIPTION
7	21.93	Fill Sand

RECEIVED BY **RAVENNA ARSENAL** WEIGHED BY

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 6:50:25 AM < TONS SHIPPED
21.93

Danielle

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502215
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G921
TRUCK NAME: GUILITTO

GROSS WT. > < POUNDS
TARE WT. > 73,160 < POUNDS
NET WT. > 31,780 < POUNDS
41,380

PROD. NO.	QUANTITY	DESCRIPTION
7	20.69	Fill Sand

RECEIVED BY **RAVENNA ARSENAL** WEIGHED BY

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 7:02:24 AM < TONS SHIPPED
42.62

Amber

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502216
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.:
THEIR ORDER NO. REQ. NO. 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RECEIVED BY **RAVENNA ARSENAL**

TRUCK NO. QUARRY POND 895-35
TRUCK NAME
G920 GIULLITO TRUCKING

GROSS WT. > < POUNDS
TARE WT. >71,340 < POUNDS
NET WT. >31,880 < POUNDS
39,460

PROD. NO.	QUANTITY	DESCRIPTION
7	19.73	Fill Sand

WEIGHED BY
TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
7:03:48 AM
62.35

Amber

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502229
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.:
THEIR ORDER NO. REQ. NO. 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RECEIVED BY **RAVENNA ARSENAL**

TRUCK NO. QUARRY POND 895-35
TRUCK NAME
G952 GIULITTO

GROSS WT. > < POUNDS
TARE WT. >73,320 < POUNDS
NET WT. >29,200 < POUNDS
44,120

PROD. NO.	QUANTITY	DESCRIPTION
7	22.06	Fill Sand

WEIGHED BY
TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
8:18:30 AM
84.41

Amber

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502244
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA

THEIR ORDER NO.: REQ. NO.: QUARRY POND 895-35
TRUCK NO.: G920 TRUCK NAME: GIULLITO TRUCKING

GROSS WT. > < POUNDS
TARE WT. >70,880 < POUNDS
NET WT. >31,880 < POUNDS
39,000

PROD. NO.	QUANTITY	DESCRIPTION
7	19.50	Fill Sand

RECEIVED BY **RAVENNA ARSENAL** WEIGHED BY

TIME > 9:05:34 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 123.71 < TONS SHIPPED

Amber

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502242
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA

THEIR ORDER NO.: REQ. NO.: QUARRY POND 895-35
TRUCK NO.: G921 TRUCK NAME: GUILITTO

GROSS WT. > < POUNDS
TARE WT. >71,380 < POUNDS
NET WT. >31,780 < POUNDS
39,600

PROD. NO.	QUANTITY	DESCRIPTION
7	19.80	Fill Sand

RECEIVED BY **RAVENNA ARSENAL** WEIGHED BY

TIME > 9:02:44 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 104.21 < TONS SHIPPED

Amber

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann
SINCE 1929
SAND & GRAVEL, INC.

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502253
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. >71,380 < POUNDS
NET WT. >29,200 < POUNDS
42,180

PROD. NO.	QUANTITY	DESCRIPTION
7	21.09	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 9:42:36 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 144.80 < TONS SHIPPED
144.80

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann
SINCE 1929
SAND & GRAVEL, INC.

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502261
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G920
TRUCK NAME: GIULLITO TRUCKING

GROSS WT. >70,960 < POUNDS
TARE WT. >31,880 < POUNDS
NET WT. >39,080 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.54	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 10:27:01 AM
JOB TODAY < TONS SHIPPED
JOB TO DATE >164.34 < TONS SHIPPED
164.34

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502262
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G921	GUILITTO

GROSS WT.	>69,980	< POUNDS
TARE WT.	>31,780	< POUNDS
NET WT.	>38,200	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.10	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 10:28:31 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >183.44 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502274
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT.	>73,620	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>44,420	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	22.21	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 11:00:33 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >205.65 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502288
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G921	GUILITTO

GROSS WT.	>71,540	< POUNDS
TARE WT.	>31,780	< POUNDS
NET WT.	>39,760	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.88	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 11:57:13 AM
JOB TODAY < TONS SHIPPED
JOB TO DATE >225.53 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502289
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G920	GIULLITO TRUCKING

GROSS WT.	>71,400	< POUNDS
TARE WT.	>31,880	< POUNDS
NET WT.	>39,520	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.76	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 11:58:41 AM
JOB TODAY < TONS SHIPPED
JOB TO DATE >245.29 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502296
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT.	>73,000	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>43,800	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.90	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME >
JOB TODAY >12:21:47 PM < TONS SHIPPED
JOB TO DATE >267.19 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502299
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G915
TRUCK NAME: GIULITTO

GROSS WT.	>	< POUNDS
TARE WT.	>68,740	< POUNDS
NET WT.	>27,220	< POUNDS
	41,520	

PROD. NO.	QUANTITY	DESCRIPTION
7	20.76	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME >
JOB TODAY >
JOB TO DATE >12:46:20 PM < TONS SHIPPED
287.95 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502311
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G921
TRUCK NAME: GUILITTO

GROSS WT. > < POUNDS
TARE WT. >70,480 < POUNDS
NET WT. >31,780 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.35	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 1:24:17 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >307.30 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502313
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G920
TRUCK NAME: GIULLITO TRUCKING

GROSS WT. >70,040 < POUNDS
TARE WT. >31,880 < POUNDS
NET WT. >38,160 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.08	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 1:33:12 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >326.38 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

(17) A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

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Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502318
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT.	>73,860	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>44,660	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	22.33	Fill Sand

RECEIVED BY	WEIGHED BY
	Amber

TIME > 1:44:53 PM
JOB TODAY >348.71 < TONS SHIPPED
JOB TO DATE >348.71 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

(18) A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502328
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G915	GIULITTO

GROSS WT.	>68,700	< POUNDS
TARE WT.	>27,220	< POUNDS
NET WT.	>41,480	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.74	Fill Sand

RECEIVED BY	WEIGHED BY
	Danielle

TIME > 2:21:17 PM
JOB TODAY >369.45 < TONS SHIPPED
JOB TO DATE >369.45 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

20

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502463
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: MIKE4
TRUCK NAME: OSCAR BRUGMANN

GROSS WT.	>71,360	< POUNDS
TARE WT.	>28,600	< POUNDS
NET WT.	>42,760	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.38	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 12:39:12 PM
JOB TODAY >21.38 < TONS SHIPPED
JOB TO DATE >409.26 < TONS SHIPPED
817.51

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

21

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502477
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT.	>71,980	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>42,780	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.39	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 1:23:22 PM
JOB TODAY >21.39 < TONS SHIPPED
JOB TO DATE >430.65 < TONS SHIPPED
838.90

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502480
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: TAYLOR9
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >67,140 < POUNDS
NET WT. >27,200 < POUNDS
39,940

PROD. NO.	QUANTITY	DESCRIPTION
7	19.97	Fill Sand

RECEIVED BY
WEIGHED BY
Danielle

TIME > 1:50:45 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 469.20 < TONS SHIPPED
877.45

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B Fin

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502620
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G936
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. >70,980 < POUNDS
NET WT. >28,860 < POUNDS
42,120

PROD. NO.	QUANTITY	DESCRIPTION
7	21.06	Fill Sand

RECEIVED BY
WEIGHED BY
Danielle

TIME > 12:40:15 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 21.06 < TONS SHIPPED
978.31

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502623
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: OBSG8
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. >72,360 < POUNDS
TARE WT. >29,780 < POUNDS
NET WT. >42,580 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.29	Fill Sand

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 12:51:10 PM
JOB TODAY >42.35 < TONS SHIPPED
JOB TO DATE >999.60 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

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Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502624
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: DON1
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >70,520 < POUNDS
NET WT. >29,480 < POUNDS
41,040

PROD. NO.	QUANTITY	DESCRIPTION
7	20.52	Fill Sand

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 12:53:48 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 62.87 < TONS SHIPPED
1020.12

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502629
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: MIKE4
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >70,600 < POUNDS
NET WT. >28,600 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.00	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 1:13:39 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >83.87 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

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SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502482
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: MIKE4
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. >70,240 < POUNDS
TARE WT. >28,600 < POUNDS
NET WT. >41,640 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.82	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 1:57:54 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >508.47 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

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SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502481
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO. | REQ. NO.
QUARRY POND 895-35
TRUCK NO. | TRUCK NAME
G921 | GUILITTO

GROSS WT. > < POUNDS
TARE WT. >68,680 < POUNDS
NET WT. >31,780 < POUNDS
36,900

PROD. NO.	QUANTITY	DESCRIPTION
7	18.45	Fill Sand

RECEIVED BY | WEIGHED BY
Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
1:55:48 PM
487.65
895.90

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502489
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO. | REQ. NO.
QUARRY POND 895-35
TRUCK NO. | TRUCK NAME
G952 | GIULITTO

GROSS WT. > < POUNDS
TARE WT. >71,320 < POUNDS
NET WT. >29,200 < POUNDS
42,120

PROD. NO.	QUANTITY	DESCRIPTION
7	21.06	Fill Sand

RECEIVED BY | WEIGHED BY
Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
2:44:53 PM
529.53
937.78

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

3

Oscar Brugmann SAND & GRAVEL, INC.

SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502494

DATE: 8/11/2020

CUSTOMER'S NO.: 30308

JOB NO.:

THEIR ORDER NO.: QUARRY POND 895-35

REQ. NO.: 31650

TRUCK NO.: G920

TRUCK NAME: GIULLITO TRUCKING

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

GROSS WT.	>	< POUNDS
TARE WT.	> 70,820	< POUNDS
NET WT.	> 38,940	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.47	Fill Sand

RECEIVED BY

WEIGHED BY: Danielle

TIME > 2:57:12 PM

JOB TODAY > 549.00 < TONS SHIPPED

JOB TO DATE > 957.75 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502339
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G920	GIULLITO TRUCKING

GROSS WT.	>72,060	< POUNDS
TARE WT.	>31,880	< POUNDS
NET WT.	>40,180	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.09	Fill Sand

RECEIVED BY
WEIGHED BY: Amber

TIME > 2:47:36 PM
JOB TODAY > 408.25 < TONS SHIPPED
JOB TO DATE > 408.25 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502338
DATE: 8/10/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G921	GUILITTO

GROSS WT.	>69,200	< POUNDS
TARE WT.	>31,780	< POUNDS
NET WT.	>37,420	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	18.71	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:46:29 PM
JOB TODAY > 388.16 < TONS SHIPPED
JOB TO DATE > 388.16 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502370
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO. | REQ. NO.
QUARRY POND 895-35
TRUCK NO. G952 | TRUCK NAME GIULITTO

GROSS WT. > < POUNDS
TARE WT. > 73,400 < POUNDS
NET WT. > 29,200 < POUNDS
44,200

PROD. NO.	QUANTITY	DESCRIPTION
7	22.10	Fill Sand

RECEIVED BY | WEIGHED BY

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
6:35:33 AM
22.10
430.35

Danielle

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502372
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO. | REQ. NO.
QUARRY POND 895-35
TRUCK NO. G920 | TRUCK NAME GIULLITO TRUCKING

GROSS WT. > < POUNDS
TARE WT. > 69,540 < POUNDS
NET WT. > 31,880 < POUNDS
37,660

PROD. NO.	QUANTITY	DESCRIPTION
7	18.83	Fill Sand

RECEIVED BY | WEIGHED BY

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
6:40:58 AM
40.93
449.18

Danielle

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502374
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G921
TRUCK NAME: GUILITTO

GROSS WT. > < POUNDS
TARE WT. >70,080 < POUNDS
NET WT. >31,780 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.15	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 6:46:39 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >60.08 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502393
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. >72,660 < POUNDS
TARE WT. >29,200 < POUNDS
NET WT. >43,460 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.73	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 7:59:09 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >81.81 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502394
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G920
TRUCK NAME: GIULLITO TRUCKING

GROSS WT. >71,260 < POUNDS
TARE WT. >31,880 < POUNDS
NET WT. >39,380 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.69	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 8:00:40 AM
JOB TODAY >19.69 < TONS SHIPPED
JOB TO DATE >101.50 < TONS SHIPPED
509.75

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502397
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G921
TRUCK NAME: GUILITTO

GROSS WT. >72,540 < POUNDS
TARE WT. >31,780 < POUNDS
NET WT. >40,760 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.38	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 8:18:53 AM
JOB TODAY >20.38 < TONS SHIPPED
JOB TO DATE >121.88 < TONS SHIPPED
530.13

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502410
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT.	>73,000	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>43,800	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.90	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 9:21:14 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >143.78 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502411
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.

TRUCK NO.	TRUCK NAME
MIKE4	OSCAR BRUGMANN

GROSS WT.	>	< POUNDS
TARE WT.	>71,660	< POUNDS
NET WT.	>28,600	< POUNDS
	43,060	

PROD. NO.	QUANTITY	DESCRIPTION
7	21.53	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 9:22:06 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 165.31 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502412
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G920	GIULLITO TRUCKING

GROSS WT.	>	< POUNDS
TARE WT.	> 70,840	< POUNDS
NET WT.	> 31,880	< POUNDS
	38,960	

PROD. NO.	QUANTITY	DESCRIPTION
7	19.48	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 9:23:07 AM
JOB TODAY > 184.79 < TONS SHIPPED
JOB TO DATE > 593.04 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502423
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G921	GUILITTO

GROSS WT.	> 72,080	< POUNDS
TARE WT.	> 31,780	< POUNDS
NET WT.	> 40,300	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.15	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 9:43:39 AM
JOB TODAY > 204.94 < TONS SHIPPED
JOB TO DATE > 613.19 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502435
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT. > < POUNDS
TARE WT. >73,160 < POUNDS
NET WT. >29,200 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	21.98	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502436
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G920	GIULLITO TRUCKING

GROSS WT. >71,120 < POUNDS
TARE WT. >31,880 < POUNDS
NET WT. >39,240 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.62	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE >246.54 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502437
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650
THEIR ORDER NO. | REQ. NO.

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RECEIVED BY **RAVENNA ARSENAL**

TRUCK NO.: QUARRY POND 895-35
TRUCK NAME: TAYLOR9 OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. > 69,700 < POUNDS
NET WT. > 27,200 < POUNDS
42,500

PROD. NO.	QUANTITY	DESCRIPTION
7	21.25	Fill Sand

WEIGHED BY: Danielle

TIME > 10:46:02 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 267.79 < TONS SHIPPED
676.04

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502438
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650
THEIR ORDER NO. | REQ. NO.

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
DELIVERED TO: ROBBINSVILLE, NJ 08691
ADDRESS: PARS ENVIRONMENTAL
6499 GEORGE RD
RAVENNA,
6499 GEORGE RD
RAVENNA
RECEIVED BY **RAVENNA ARSENAL**

TRUCK NO.: QUARRY POND 895-35
TRUCK NAME: MIKE4 OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. > 69,560 < POUNDS
NET WT. > 28,600 < POUNDS
40,960

PROD. NO.	QUANTITY	DESCRIPTION
7	20.48	Fill Sand

WEIGHED BY: Danielle

TIME > 10:47:54 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 288.27 < TONS SHIPPED
696.52

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502445
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G921	GUILITTO

GROSS WT.	>68,860	< POUNDS
TARE WT.	>31,780	< POUNDS
NET WT.	>37,080	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	18.54	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 11:14:05 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >306.81 < TONS SHIPPED
715.06

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502453
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT.	>	< POUNDS
TARE WT.	>72,060	< POUNDS
NET WT.	>29,200	< POUNDS
	42,860	

PROD. NO.	QUANTITY	DESCRIPTION
7	21.43	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 12:02:52 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
328.24
736.49

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502454
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G920	GIULLITO TRUCKING

GROSS WT.	>70,260	< POUNDS
TARE WT.	>31,880	< POUNDS
NET WT.	>38,380	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	19.19	Fill Sand

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 12:04:01 PM
JOB TODAY > 755.68 < TONS SHIPPED
JOB TO DATE > 347.43 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502461
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
TAYLOR9	OSCAR BRUGMANN

GROSS WT.	>	< POUNDS
TARE WT.	>67,860	< POUNDS
NET WT.	>27,200	< POUNDS
	40,660	

PROD. NO.	QUANTITY	DESCRIPTION
7	20.33	Fill Sand

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 12:34:24 PM
JOB TODAY > 367.76 < TONS SHIPPED
JOB TO DATE > 776.01 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502462
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G921
TRUCK NAME: GUILITTO

GROSS WT.	>	< POUNDS
TARE WT.	>72,020	< POUNDS
NET WT.	>31,780	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	20.12	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 12:38:35 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >387.88 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

22

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502478
DATE: 8/11/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G920
TRUCK NAME: GIULLITO TRUCKING

GROSS WT.	>69,040	< POUNDS
TARE WT.	>31,880	< POUNDS
NET WT.	>37,160	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
7	18.58	Fill Sand

RECEIVED BY
WEIGHED BY: Danielle

TIME > 1:24:43 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >449.23 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann

SAND & GRAVEL, INC.
MANTUA, OHIO

Since 1929, putting natural materials to use, leaving nature at its best.

August 6, 2020

PARS Environmental
Mr. Cody Postlethwait
500 Horizon Drive, Suite 540
Robbinsville, NJ 08691

RE: Topsoil Source

Dear Cody,

Oscar Brugmann Sand & Gravel, Inc. currently mines all topsoil from undisrupted farm land. This farm land has not been previously altered in any way from its original state and originated from organic materials.

All screened topsoil purchased from Oscar Brugmann Sand & Gravel, Inc. is virgin topsoil.

Should you have any questions, please contact me at vince@obsag.com.

Regards,

Vince Van Auken
Quality Control

MATERIAL ANALYSIS—TOPSOIL

PROJECT:	OSCAR BRUGMANN SAND & GRAVEL 2020 VARIOUS PROJECTS AND TESTING	**FILE NO.:** **DATE:**	S020054 5/19/20
CLIENT:	OSCAR BRUGMANN SAND & GRAVEL 3828 DUDLEY ROAD MANTUA, OH 44255		

On April 27, 2020, a topsoil sample was delivered to our laboratory for a material analysis. Following are the test results:

Sieve Size	Particle Size (mm)	% Passing
#10	2.000	100.0
#20	0.850	94.1
#40	0.425	82.9
#100	0.150	52.0
#200	0.075	41.4
	0.033	33.9
	0.022	25.4
	0.013	19.5
	0.009	16.9
	0.006	14.4
	0.003	9.3
	0.001	6.8

%Sand.....62.4

%Silt.....29.8

% Clay.....7.8

pH.....6.5

% Organic.....5.4

USDA Classification.....Sandy Loam

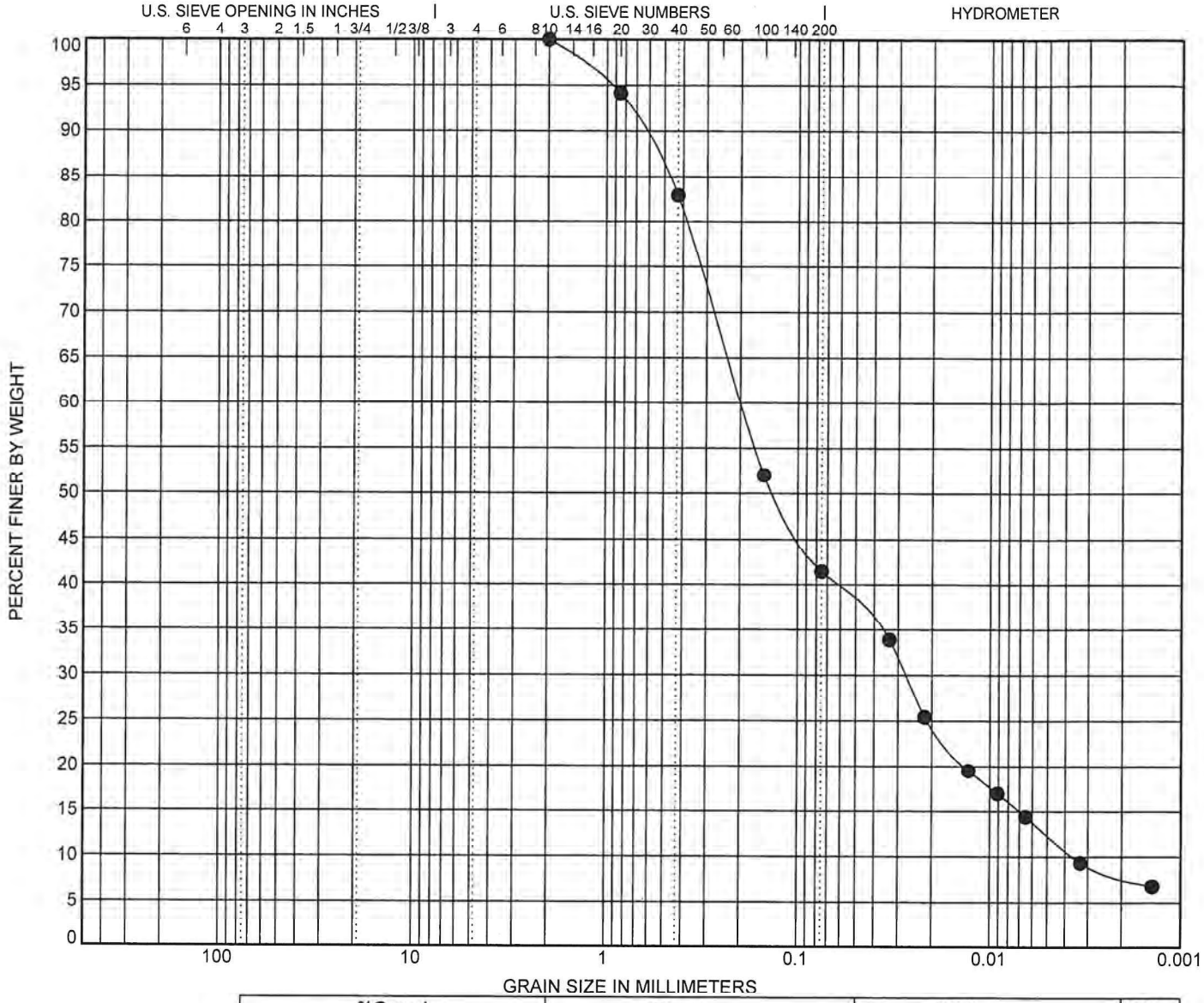
If you have any questions, please do not hesitate to contact our office.

TECHNICIAN: DONALD HOLLENBAUGH

Attachment (1 page)

REPORT NO. _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	%Gravel	%Sand	%Silt	%Clay
●	0.0	62.3	29.8	7.8
■				
▲				

	LL	PI	D90	D60	D50	D30	D15	D10	Cc	Cu
●			0.659	0.196	0.131	0.027	0.007	0.004	1.06	54.35
■										
▲										

REMARKS	USCS	AASHTO

PROJECT NUMBER S020054

PROJECT NAME OSCAR BRUGMANN SAND & GRAVEL 2020

LOCATION _____

DATE 5/19/20

MATERIAL DESCRIPTION:

Topsoil

USDA

Solar Testing Laboratories, Inc.
1125 Valley Belt Road
Brooklyn Heights, Ohio 44131
Telephone: 216-741-7007
Fax: 216-741-7011

Alle

A

TOPSOIL

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502527
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G952	GIULITTO

GROSS WT.	>72,400	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>43,200	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.60	Topsoil

RECEIVED BY	WEIGHED BY
	Danielle

TIME > 6:49:29 AM
JOB TODAY >21.60 < TONS SHIPPED
JOB TO DATE >21.60 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502528
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
G936	GIULITTO

GROSS WT.	>67,260	< POUNDS
TARE WT.	>28,860	< POUNDS
NET WT.	>38,400	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	19.20	Topsoil

RECEIVED BY	WEIGHED BY
	Danielle

TIME > 6:50:59 AM
JOB TODAY >40.80 < TONS SHIPPED
JOB TO DATE >40.80 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502545
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. >71,680 < POUNDS
TARE WT. >29,200 < POUNDS
NET WT. >42,480 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.24	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 8:15:49 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >62.04 < TONS SHIPPED
62.04

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502546
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G936
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. >68,200 < POUNDS
NET WT. >28,860 < POUNDS
39,340

PROD. NO.	QUANTITY	DESCRIPTION
30	19.67	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 8:17:21 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
81.71
81.71

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502572
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT.	>70,880	< POUNDS
TARE WT.	>29,200	< POUNDS
NET WT.	>41,680	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.84	Topsoil

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 9:39:39 AM
JOB TODAY > 102.55 < TONS SHIPPED
JOB TO DATE > 102.55 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502573
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G936
TRUCK NAME: GIULITTO

GROSS WT.	>71,580	< POUNDS
TARE WT.	>28,860	< POUNDS
NET WT.	>42,720	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.36	Topsoil

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 9:41:30 AM
JOB TODAY > 123.91 < TONS SHIPPED
JOB TO DATE > 123.91 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502579
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: MIKE4
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >71,680 < POUNDS
NET WT. >28,600 < POUNDS
43,080

PROD. NO.	QUANTITY	DESCRIPTION
30	21.54	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE 10:17:05 AM > < TONS SHIPPED
145.45
145.45

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Allen
856-701.7216
A

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502588
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: JOHNNY2
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. >67,340 < POUNDS
TARE WT. >26,920 < POUNDS
NET WT. >40,420 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.21	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY 10:58:40 AM > < TONS SHIPPED
JOB TO DATE >165.66 < TONS SHIPPED
165.66

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann
SINCE 1929
SAND & GRAVEL, INC.

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502589
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. >74,120 < POUNDS
NET WT. >29,200 < POUNDS
44,920

PROD. NO.	QUANTITY	DESCRIPTION
30	22.46	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE > < TONS SHIPPED
11:01:34 AM
188.12
188.12

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann
SINCE 1929
SAND & GRAVEL, INC.

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502590
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G936
TRUCK NAME: GIULITTO

GROSS WT. >71,120 < POUNDS
TARE WT. >28,860 < POUNDS
NET WT. >42,260 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.13	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME >
JOB TODAY > < TONS SHIPPED
JOB TO DATE >209.25 < TONS SHIPPED
11:03:38 AM
209.25

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

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Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502597
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: DON1
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >73,560 < POUNDS
NET WT. >29,480 < POUNDS
44,080

PROD. NO.	QUANTITY	DESCRIPTION
30	22.04	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 11:24:39 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE > 231.29 < TONS SHIPPED
231.29

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B
Topsoil

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502635
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. >72,160 < POUNDS
TARE WT. >29,200 < POUNDS
NET WT. >42,960 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.48	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 1:50:29 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >359.53 < TONS SHIPPED
359.53

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502640
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G936
TRUCK NAME: GIULITTO

GROSS WT. >70,580 < POUNDS
TARE WT. >28,860 < POUNDS
NET WT. >41,720 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.86	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:02:19 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >380.39 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502642
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: OBSG8
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS
TARE WT. >71,780 < POUNDS
NET WT. >29,780 < POUNDS
42,000

PROD. NO.	QUANTITY	DESCRIPTION
30	21.00	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:08:24 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >401.39 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502644
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.

TRUCK NO.	TRUCK NAME
DONI	OSCAR BRUGMANN

GROSS WT.	>71,960	< POUNDS
TARE WT.	>29,480	< POUNDS
NET WT.	>42,480	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.24	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:13:32 PM
JOB TODAY > 422.63 < TONS SHIPPED
JOB TO DATE > 422.63 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

B

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502646
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.

TRUCK NO.	TRUCK NAME
JOHNNY2	OSCAR BRUGMANN

GROSS WT.	>	< POUNDS
TARE WT.	>67,400	< POUNDS
NET WT.	>26,920	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.24	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:17:23 PM
JOB TODAY > 442.87 < TONS SHIPPED
JOB TO DATE > 442.87 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502653
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: MIKE4
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. >70,560 < POUNDS
TARE WT. >28,600 < POUNDS
NET WT. >41,960 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.98	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 2:39:23 PM
JOB TODAY > 463.85 < TONS SHIPPED
JOB TO DATE >463.85 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502657
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. >71,820 < POUNDS
TARE WT. >29,200 < POUNDS
NET WT. >42,620 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.31	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 3:04:05 PM
JOB TODAY > 485.16 < TONS SHIPPED
JOB TO DATE >485.16 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502598
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
OBSG8	OSCAR BRUGMANN

GROSS WT.	>73,520	< POUNDS
TARE WT.	>29,780	< POUNDS
NET WT.	>43,740	< POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	21.87	Topsoil

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 11:27:58 AM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >253.16 < TONS SHIPPED
253.16

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502614
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:

TRUCK NO.	TRUCK NAME
TAYLOR9	OSCAR BRUGMANN

GROSS WT.	>	< POUNDS
TARE WT.	>69,720	< POUNDS
NET WT.	>27,200	< POUNDS
	42,520	

PROD. NO.	QUANTITY	DESCRIPTION
30	21.26	Topsoil

RECEIVED BY:
WEIGHED BY: Danielle

TIME > 12:22:04 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >274.42 < TONS SHIPPED
274.42

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502616
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: G952
TRUCK NAME: GIULITTO

GROSS WT. > < POUNDS
TARE WT. >74,360 < POUNDS
NET WT. >29,200 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	22.58	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 12:26:31 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >297.00 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

Oscar Brugmann SAND & GRAVEL, INC.
SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502625
DATE: 8/12/2020
CUSTOMER'S NO.: 30308
JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL
ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691
DELIVERED TO: PARS ENVIRONMENTAL
ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35
REQ. NO.:
TRUCK NO.: JOHNNY2
TRUCK NAME: OSCAR BRUGMANN

GROSS WT. >67,380 < POUNDS
TARE WT. >26,920 < POUNDS
NET WT. >40,460 < POUNDS

PROD. NO.	QUANTITY	DESCRIPTION
30	20.23	Topsoil

RECEIVED BY
WEIGHED BY: Danielle

TIME > 12:55:31 PM
JOB TODAY > < TONS SHIPPED
JOB TO DATE >317.23 < TONS SHIPPED

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

C
Top S.1

Oscar Brugmann SAND & GRAVEL, INC.

SINCE 1929

3828 Dudley Rd.
Mantua, Ohio 44255
Phone (330) 274-8224 Fax (330) 274-8404

TICKET NO.: 502631

DATE: 8/12/2020

CUSTOMER'S NO.: 30308

JOB NO.: 31650

CUST. NAME: PARS ENVIRONMENTAL

ADDRESS: 500 HORIZON DR SUITE 540
ROBBINSVILLE, NJ 08691

DELIVERED TO: PARS ENVIRONMENTAL

ADDRESS: 6499 GEORGE RD
RAVENNA,

6499 GEORGE RD
RAVENNA
RAVENNA ARSENAL

THEIR ORDER NO.: QUARRY POND 895-35

REQ. NO.:

TRUCK NO.: TAYLOR9

TRUCK NAME: OSCAR BRUGMANN

GROSS WT. > < POUNDS

TARE WT. > 68,840 < POUNDS

NET WT. > 27,200 < POUNDS

41.640

PROD. NO.	QUANTITY	DESCRIPTION
30	20.82	Topsoil

RECEIVED BY

WEIGHED BY Danielle

TIME > 1:40:19 PM

JOB TODAY > < TONS SHIPPED

JOB TO DATE > 338.05 < TONS SHIPPED

338.05

NOT RESPONSIBLE PAST THE CURB.

ODOT PRE-QUALIFIED AGGREGATE SUPPLIER
CONCRETE SAND 703.02 MASON SAND 703.03

APPENDIX L

Ohio EPA Comment Response Letter

NATIONAL GUARD BUREAU
111 SOUTH GEORGE MASON DRIVE
ARLINGTON VA 22204-1373

February 23, 2021

Ohio Environmental Protection Agency
DERR-NEDO
Attn: Mr. Ed D'Amato
2110 East Aurora Road
Twinsburg, OH 44087-1924

Subject: Ravenna Army Ammunition Plant (RVAAP) Restoration Program, Portage/Trumbull Counties, Response to Comments for the Draft Remedial Action Completion Report (RACR) for the Non Time-Critical Removal Action for CC RVAAP-78 Quarry Pond Surface Dump (Ohio EPA Work Flow Activity #267000859216)

Dear Mr. D'Amato:

Thank you for your review of the *Draft Remedial Action Completion Report Non-Time Critical Removal Action Work Plan for CC RVAAP-78, Quarry Pond Surface Dump*. Please see the responses below to your comments.

"***1. Executive Summary:*** *Lines 324-326 of Section 3.3.2 states:* No confirmation samples were required to be collected from debris piles A and B because only surface debris was removed, and bedrock was encountered during removal. *The executive summary states that bedrock was encountered for debris pile A, but there is no mention of encountering bedrock in debris pile B.*

Action Item: *Please make the language regarding debris pile B consistent between the two sections."*

Response: The approved Work Plan did not require samples to be collected from beneath Debris Piles A, B and C as the removal action targeted surficial debris piles at these areas of concern. Only two confirmation soil samples were planned for this remedial action, one from each 10x10 square foot excavation (TP-5 and C78SB-021M-0001-SO). As the comment is concerned with the discussion of why samples were not collected from the soils at former debris piles A and B, Section 3.3.2 Lines 324 – 326 has been changed for correctness to state that, "No confirmation samples were required to be collected from debris piles A and B" matching that of the Executive Summary.

"2. Conclusion: *Lines 17 and 18 of the Executive Summary states:* Additional delineation will be required to determine the extent of buried ACM in Debris Pile. *The additional delineation required for debris pile C is an important point for the Conclusion section.*

Action item: *Please add additional language in the Conclusion section explaining the additional delineation that is necessary and a general explanation of the Army's intended path forward for addressing the additional asbestos contamination."*

Response: The following text will be added to the conclusion section: *The Army will proceed to a Remedial Investigation to investigate remaining asbestos debris associated with debris pile C. This RI will delineate the horizontal and vertical extent of the buried asbestos debris.*

Please contact the undersigned at (330) 235-2153 or ***kevin.m.sedlak.ctr@mail.mil*** if there are issues or concerns with this submission.

Sincerely,

SEDLAK.KEVIN.MICHAEL.1254440171 Digitally signed by SEDLAK.KEVIN.MICHAEL.1254440171 Date: 2021.02.24 08:22:02 -05'00'

Mr. Kevin Sedlak
RVAAP Restoration Program Manager
Army National Guard Directorate

cc: Bob Princic, Ohio EPA, NEDO, DERR
Tom Schneider, Ohio EPA, SWDO
Natalie Oryshkewych, Ohio EPA, NEDO
Mark Leeper, ARNG
Katie Tait, OHARNG, Camp James A. Garfield
Steven Kvaal, USACE Louisville
Nathaniel Peters, USACE Louisville
Jennifer Tierney, Vista Sciences Corporation
Pat Ryan, Leidos - REIMS