

AFTER ACTION REPORT:

NON-TIME CRITICAL REMOVAL ACTION AT THE FORMER CENTER FOR PLANT HEALTH SCIENCE AND TECHNOLOGY, ANALYTICAL AND NATURAL PRODUCTS CHEMISTRY LABORATORY

GULFPORT, MISSISSIPPI

FINAL

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**U.S. Department of Agriculture
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Riverdale, Maryland**

Prepared by:

**BMT Designers & Planners, Inc.
4401 Ford Ave, Suite 1000
Alexandria, VA 22302**

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LIST OF ACRONYMS

µg/kg	microgram per kilogram (ppb)
µg/L	microgram per liter (ppb)
AAR	After Action Report
ANPCL	Analytical and Natural Products Chemistry Laboratory
AOC	Area of Concern
APHIS	Animal and Plant Health Inspection Service
bgs	Below Ground Surface
BMT	BMT Designers & Planners, Inc.
CAT	Caterpillar Heavy Equipment
CERCLA	Comprehensive Environmental Response, Compensation, Liability Act
CFR	Code of Federal Regulations
CPHST	Center for Plant Health Science and Technology
CY	Cubic Yard
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
EE/CA	Engineering Evaluation and Cost Analysis
EPA	United States Environmental Protection Agency
ESI	Expanded Site Investigation
famsl	Feet above mean sea-level
fbgs	Feet below ground surface
FL	Excavation Floor
ft	feet or foot
HASP	Site-Specific Health and Safety Plan
IDW	Investigation Derived Waste
in	Inches
MDEQ	Mississippi Department for Environmental Quality
mg/L	Milligrams per Liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
mS/cm	Millisiemens per Centimeter
MW	Monitoring Well
mV	millivolts
NCP	National Contingency Plan
NPL	National Priorities List
NTCRA	Non-Time Critical Removal Action
NTU	Nephelometric Turbidity Unit

LIST OF ACRONYMS

(Continued)

OC	Organochlorine
PA	Preliminary Assessment
PMP	Pollution Mitigation Plan
ppb	Parts per billion
PPE	Personal Protective Equipment
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RAP	Removal Action Plan
SAP	Sampling and Analysis Plan
SI	Site Investigation
SRE	Streamlined Risk Evaluation
SVOC	Semi-Volatile Organic Compound
SW	Excavation Sidewall
TAL	Target Analyte List
TRG	Target Remediation Goal
TRG-R	Target Remediation Goal – Restricted Use
USDA	United States Department of Agriculture
VOC	Volatile Organic Compound
WMP	Waste Management Plan
WMPGSL	Waste Management Pecan Grove Sanitary Landfill

1. INTRODUCTION

On behalf of the U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS), BMT Designers & Planners, Inc. (BMT) conducted a Non-Time Critical Removal Action (NTCRA or Removal Action) at the former Center for Plant Health Science and Technology (CPHST) Analytical and Natural Products Chemistry Laboratory (ANPCL) located in Gulfport, Mississippi, hereafter referred to as the "Site". The NTCRA was conducted to address organochlorine (OC) pesticide contamination in soil and was completed in December of 2014. Most of the contaminated soil was removed and residual amounts will be managed through the use of engineering and institutional controls. This After Action Report (AAR) has been prepared to document Removal Action details including planning, site preparation, soil excavation, soil transport and disposal, post excavation soil sampling, site restoration, the implementation of engineering controls, and post removal groundwater quality monitoring and to recommend institutional controls.

An Engineering Evaluation and Cost Analysis (EE/CA) was completed in 2012 to evaluate remedial alternatives for the site. Based on the EE/CA, APHIS selected the implementation of a Removal Action to remove soil with OC pesticides at concentrations greater than the Mississippi Department of Environmental Quality (MDEQ) Target Remediation Goals (TRGs) for restricted use. Any residual contamination would be managed with engineering and institutional controls (BMT, 2012 and MDEQ, 2002). . The concrete cover engineering control was constructed as part of the Removal Action. The selected institutional controls include groundwater withdrawal restrictions and long term maintenance of the concrete cover engineering control.

The MDEQ concurred with the selected Removal Action. The Removal Action was conducted in accordance with the provisions of the National Contingency Plan (NCP), 40 CFR 300.

1.1 Site Description and History

The Site encompasses an area of approximately 4.6 acres located at 3505 25th Avenue in Gulfport, Harrison County, Mississippi. A map depicting the location of Gulfport, Mississippi is included as Figure 1. The USDA occupied the Site from 1958 until 2012. In 2012, the USDA vacated the facility and designated the Site as surplus property.

The Site is located north of 34th Street and along US Route 49 (also known as 25th Avenue). The geographic coordinates measured on the United States Geological Survey 7.5-minute topographic map for the Site are 30°23'31" N, 89°05'38" W. The Site is bordered to the west and to the north by the Coca-Cola Bottling Company and is entirely enclosed by a perimeter fence. APHIS staff currently working at the Site is limited to the Facility Manager. A Site Location Map is included as Figure 2.

2. SOURCE, NATURE, AND EXTENT OF CONTAMINATION

Site characterization activities were completed from 2003 through 2012 and included extensive surface and subsurface soil sampling, the installation of groundwater monitoring wells, and groundwater quality monitoring. Site characterization activities are documented in the Preliminary Assessment/Site Inspection (PA/SI) Report and subsequent Expanded Site Investigation (ESI) Reports (TtNUS, 2005, 2007, 2008, and 2010; BMT, 2011 and 2012b). The PA/SI was conducted at the Site from 2003 through 2005. The initial expanded site investigation (ESI), ESI 1, identified OC pesticides in soil and groundwater. Subsequent investigations completed from 2005 through 2012 (ESI 2 through 6) were aimed at delineating the extent of OC pesticide contamination in soil and groundwater at the site. During the completion of site characterization activities, a total of seven (7) groundwater monitoring wells were installed at the site (Figure 2). A detailed description of the characterization events conducted during the PA/SI and subsequent ESIs is provided in the EE/CA (BMT, 2012).

The ESIs conducted at the site identified OC pesticides in surface soil, subsurface soil, and groundwater at concentrations greater than their respective MDEQ TRGs. The primary contaminants of concern were the OC pesticides aldrin, dieldrin, heptachlor, heptachlor epoxide, and 4,4'-dichlorodiphenyltrichloroethane (DDT). The source of contamination at the site could not be identified. Three (3) areas of concern (AOCs) at the site that were determined to be affected by pesticide contamination and were the subject of the Removal Action are listed below and depicted in Figure 2:

- Building 14 and 15 Area
- Northeast Corner (ESI4-19) Area
- Monitoring Well MW-03 Area

3. PRE-REMOVAL ACTION ACTIVITIES

Pre-Removal Action Activities included the development and finalization of a comprehensive Removal Action Plan (RAP), community relations activities, site preparation, utility surveys, and equipment mobilization. Pre-Removal Action activities are detailed in the following subsections.

3.1 Planning Documents

Prior to initiating site work at the ANPCL, a RAP was prepared to detail all aspects of the Removal Action from site planning through the implementation of engineering controls (BMT, 2014). The RAP includes several component documents including a Site-Specific Health and Safety Plan (HASP), Pollution Control and Mitigation Plan (PCMP), Waste Management Plan (WMP), and the Sampling Analysis Plan (SAP). The RAP and its component documents was reviewed and approved by APHIS prior to finalization and the Final RAP was provided to the MDEQ prior to the implementation of the Removal Action. The RAP component plans are summarized below:

- **Health and Safety Plan (HASP):** This document details all Health and Safety measures and procedures for the Removal Action including emergency response procedures and contact information, job hazard analyses, required personal protective equipment (PPE), daily tailgate safety meeting forms, and daily checklists
- **Pollution Control and Mitigation Plan (PCMP):** This document details procedures to minimize the migration of dust and contaminated soil from Site work areas during Removal Action activities. Sediment and erosion control measure requirements are detailed in the PCMP.
- **Waste Management Plan (WMP):** This document details the characterization, transportation, and disposal of all wastes produced during the Removal Action. Wastes include excavated soils, debris removed from the excavation, decontamination liquid, and general refuse (e.g., spent PPE and equipment packaging material).
- **Sampling Analysis Plan (SAP):** This document details the total number of post excavation samples and the locations from which each should be collected. Additionally, the SAP details sample collection procedures, analytical methods, required quality assurance samples, and data validation requirements.

3.2 Community Relations Activities

A Community Relations Plan (CRP) was prepared to identify issues of community concern related to the Removal Action and to determine how APHIS can best disseminate information related to the Removal Action to community members and other interested parties (BMT, 2012a). In accordance with the CRP, the following community relations activities were completed prior to the implementation of the Removal Action:

- **Fact Sheet:** A site-specific Fact Sheet was prepared to inform the public of the proposed Removal Action activities and schedule. The Fact Sheet provided specific information on the site history and background, site characterization, and proposed removal action activities (including the implementation of institutional controls).
- **Information Repository:** On behalf of APHIS, BMT established a publicly available Information Repository at the Gulfport Public Library. The information repository contains a copy of Site Investigation Reports (PA/SI and ESIs), the Site Fact Sheet, Public Notice, Final EE/CA, and the Removal Action Plan. A copy of this After Action Report will also be submitted for inclusion in the information repository.
- **Public Notice:** In accordance with EPA guidance, a notice providing an overview of the Removal Action, identifying the APHIS point of contact, and announcing the availability of the information repository was prepared and submitted to the Sun Herald Newspaper (serving Gulfport, Biloxi, and the Mississippi Gulf Coast) for publication. The Public Notice was published on October 10, 2014 and opened a 30-day public comment period.
- **Public Comment Period:** The publication of the Public Notice opened a 30-day public comment period that ran from October 10 to November 10, 2014.
- **Response to Comments:** In accordance with NCP 40 C.F.R. 300.415(n)(iv), a written response to significant public comments is required; however, there were no comments received during the Public Comment Period. As a result, a written response to comments was not completed.

3.3 Utility Surveys

Prior to initiating excavation activities, subsurface utilities were located within, and around, all excavation areas. A Mississippi one-call ticket (14-112-509-070-230) was processed to notify member utilities of upcoming site work and to identify utilities entering the site from the public right-of-way. A separate utility survey was completed to identify on-site subsurface utilities. Subsurface utilities identified include sanitary sewer, storm drains, water, electric, natural gas, and telecommunications lines. All of these lines were identified in the Building 14/15 excavation area; however, utilities located within the Northeast Corner area and Monitoring Well MW-3 area were limited to electric lines. Identified subsurface utilities are depicted in Figures 3 and 4. Select site photographs depicting utility survey activities and utility locations are included in Appendix A.

3.4 Site Preparation

Prior to initiating excavation activities, site preparation including the establishment of the extent of excavation, establishment of site work zones, construction of a decontamination pad, equipment

mobilization, overhead utility repair, and establishment of sediment and erosion control measures were completed. The following is a brief summary of pre-excavation site preparation activities:

- **Excavation Dimensions:** The proposed dimensions of the excavation specified in the RAP were measured off of fixed structures (e.g., building corners) and marked on the Site with white spray paint to differentiate excavation extents from marks identifying subsurface utilities. The perimeter of the proposed concrete cover engineering control was also marked. Excavation dimensions in the Building 14/15 area and the Northeast Corner area are depicted in Figures 5 and 6, respectively. The extent of the concrete cover engineering control is depicted in Figure 7.
- **Site Work Zones:** Site work zones were established for the Northeast Corner and the Building 14/15 excavation areas. An exclusion zone, contamination reduction zone, and a support zone were established in both work areas. The location and extent of these work zones are shown in Figure 8.
- **Decontamination Pad:** An equipment decontamination pad was constructed within the contamination reduction zone of the Building 14/15 area for the decontamination of equipment and personal protective equipment (e.g., boot decontamination). A photograph of the decontamination pad is included in Appendix A.
- **Equipment Mobilization:** Excavation equipment including a Caterpillar (CAT) 320C excavator and 418CE backhoe were mobilized to the site on December 2, 2014. The equipment was staged within the contamination reduction zone associated with the Northeast Corner excavation area. As part of equipment mobilization, a flat piece of steel was welded to the teeth of the excavator and backhoe buckets to allow for more precise excavation.
- **Overhead Utility Repair:** Prior to initiation of site excavation activities within the Building 14/15 area, an overhead electrical power line was repaired by an electrical contractor to provide sufficient overhead clearance for site excavation equipment.
- **Sediment and Erosion Control:** Sediment and erosion control measures were established in all three (3) work areas prior to beginning excavation activities. Sediment and erosion control measures were installed in accordance with the PCMP and are summarized below:
 - A 100-ft length of silt fence was installed directly in front of the perimeter fence on the western property boundary (Building 14/15 area). The silt fence was installed to a depth of approximately 3 inches below grade and spans the distance between Building 14 and Building 16. The silt fence was installed to prevent any soil or sediment transport from the excavation area to the adjacent property.
 - Erosion control measures were not required in the Northeast Corner area because the perimeter fence in that area is constructed with a brick base that provides a physical barrier that prevents potential off-site migration of soil or sediment. Permeable sediment filter logs were placed at the base of the site access gate located on the eastern

property boundary to prevent the migration of soil or sediment from the site to the adjacent roadway.

- A 125-ft length of dust screen was installed on the perimeter fence on the western property boundary of the site (Building14/15 area). The dust screen was installed from the ground surface behind the silt fence to approximately 5 feet (ft) above the ground surface. A second 175-ft length of dust screen was installed on the perimeter fence in the Northeast Corner area. The dust screens were installed to prevent the migration of dust or windblown soil particles generated during excavation activities to adjacent properties and roadways.
- Stormwater inlet guards were installed on the stormwater inlets located within or adjacent to site work areas to prevent soil and sediment from entering the stormwater system.

All sediment and erosion control features were left in place until the completion of all site work, including the installation of the concrete cover engineering control. Sediment and erosion control features are depicted in Figure 9 and select site photographs depicting sediment and erosion control features are included in Appendix A.

4. REMOVAL ACTION ACTIVITIES

The Removal Action activities were performed from December 2 through 10, 2014. Removal Action activities include soil excavation, transport and disposal of excavated soil, the collection of post-excavation soil samples, backfilling and grading of excavations, construction of the concrete cover engineering control, and site restoration. The following subsections detail these Removal Action activities.

4.1 Soil Excavation

From December 2 through 5, a total of 360.89 tons of soil was excavated and removed from the Northeast Corner and Building 14/15 areas. The total volume of soil removed from the site is approximately 302 cubic yards (cy) and was estimated based on an assumption of 2,392 pounds of site soil per cy (EPA, 2006). Excavated soil was transported for off-site disposal at the Waste Management Pecan Grove Sanitary Landfill (WMPGSL) as non-hazardous waste in accordance with an approved waste profile (profile number 401877MS). The approved waste profile and completed non-hazardous waste manifests are included as Appendix B. Soil excavation activities within the Northeast Corner and the Building 14/15 areas are detailed in the following subsections and select site photographs depicting excavation activities are included in Appendix A.

4.1.1 Northeast Corner Excavation

Soil excavation within the Northeast Corner area was completed on December 2 and 3, 2014 using the CAT 320C excavator. Soil was removed to a total depth of 1 ft below grade within the excavation area depicted in Figure 6. Surficial vegetation and shallow soil (to a depth of 6 inches or less) was removed from the area designated for the installation of the concrete cover engineering control (Figure 7). Excavation in the area of identified subsurface electric lines was completed by hand digging, as needed. Soil underlying subsurface utilities was not removed during the excavation to protect the integrity of the utilities. As a result, planned excavation depths were not achieved where subsurface electric lines were present. In these areas, electric lines were encountered at a depth of approximately 6 inches. All other areas within the Northeast Corner area were excavated to a depth of 1 ft below grade, consistent with the specifications of the RAP. A total of 154.95 tons (approximately 130 cy) of soil was excavated from the Northeast Corner area and transported to the WMPGSL for disposal.

4.1.2 Building 14/15 Excavation

Soil excavation within the Building 14/15 area was completed from December 3 through 5, 2014 using the CAT 418CE backhoe and the CAT 320C excavator. The Building 14/15 area excavation consists of non-contiguous excavation areas in the vicinity of Buildings 14, 15, and 16. The largest section of the excavation was located between Buildings 14 and 15 and extends both to the west (back) and east

(front) of Building 15. The depth of the excavation in this area was variable, ranging from 1 to 5 ft bgs. Another section of the Building 14/15 area excavation was located across the site roadway to the east of Building 15, disconnected from the larger excavation by the roadway. This section is approximately 10 by 40 ft and was excavated to a depth of 1 ft below grade. The third excavation section is located between Building 14 and the site access road, extending south approximately 18 ft from the northeast corner of Building 14. This section is separated from the larger excavation by an area in which excavation was not required (based on site characterization results). The extent of excavation in the Building 14/15 area is depicted in Figure 5.

Within the Building 14/15 area excavation, proposed excavation depths were limited in several areas due to the presence of site infrastructure including site buildings, perimeter fencing, utility poles, the site roadway, and subsurface utilities. The excavation depth adjacent to site buildings and perimeter fencing (e.g., Buildings 14 and 15) was limited by the requirement for sloping (at an angle of approximately 45° from the base of the building foundation slab or bottom of fence) to ensure foundation integrity. The excavation depth was also limited in several areas due to the presence of subsurface utilities as soil was not removed from beneath subsurface utilities.

In general, the excavations in this area achieved the total depths specified in the RAP except for areas where sloping was required to protect site infrastructure, foundations, and utilities. One exception was the narrow excavation area between Building 15 and the perimeter fence. The excavation in this area was proposed to be 5 ft deep; however, it was recognized that the depth of the excavation would be limited due to site infrastructure constraints. This area was inaccessible to excavation equipment and subsurface sanitary sewer and water utility lines are present. As a result, this area was excavated by hand to a total depth of approximately 18 inches. The total depth of the excavation in this area was limited by the presence of subsurface utilities and the excavation sloping requirements for Building 15 and the perimeter fence.

Monitoring wells MW-05 and MW-05S are located within the Building 14/15 area. These monitoring wells and associated concrete pads were preserved during the excavation by applying the 45° slope requirement. Concrete sidewalks and asphalt surfaces located within this excavation area were removed to allow access to the underlying soils. In accordance with the RAP, the concrete and asphalt was set aside, broken up, and used as fill following the completion of the excavation. A total of 205.94 tons (approximately 172 cy) of soil were excavated from the Building 14/15 area and transported to the WMPGSL for disposal.

4.2 Post Excavation Soil Sample Collection

In accordance with the SAP, twenty-one (21) discrete post excavation soil samples were collected from the Northeast Corner and Building 14/15 excavation areas. A total of five (5) excavation floor samples and four (4) excavation sidewall samples were collected from the Northeast Corner excavation area. A total of six (6) excavation floor samples and six (6) excavation sidewall samples were collected from the Building 14/15 excavation areas. Post excavation soil sample locations for the Northeast Corner area and the Building 14/15 are included as Figure 10 and 11, respectfully. Select site photographs depicting post excavation sampling activities are included in Appendix A.

Quality Assurance (QA) samples collected as part of post excavation sampling included two (2) field duplicate samples and one (1) matrix spike/matrix spike duplicate (MS/MSD) sample. Post-excavation soil samples were submitted for laboratory analysis of OC pesticides via EPA Method 8081.

All post excavation soil sample analytical data was validated in accordance with the requirements detailed in the Quality Assurance Project Plan (QAPP) and EPA's National Functional Guidelines for Data Review (BMT, 2010).

4.3 Subsurface Utility Repairs

Despite efforts taken to identify and avoid subsurface utilities, some subsurface utilities were damaged during the course of excavation activities. Two electrical conduits were damaged within the Northeast Corner area and a water line servicing Building 15 was damaged during Building 14/15 area excavation activities. At the time the utilities were contacted, both the electric power and water was turned off to the affected utilities. The damaged electrical conduits and water line were repaired and tested prior to backfilling the excavations.

4.4 Excavation Area Backfilling and Grading

Excavation areas were backfilled with clean construction fill following the collection of post excavation soil samples. In accordance with the RAP, concrete and asphalt that had been removed from the ground surface to allow for access to underlying soils was reused as backfill material. Approximately 273 cy of fill was delivered to the Site between December 2 and 5, 2014. Approximately 147 cy of clean fill was placed within the Northeast Corner area excavation and approximately 126 cy of clean fill was placed within the Building 14/15 area excavation.

The Northeast Corner area, Building 14/15 area, and the Monitoring Well MW-03 areas were graded and prepared for the application of the concrete cover engineering control. Initial grading was completed using excavation equipment and hand tools from December 3 through 5, 2014. Final site grading necessary to further level the ground surface and to prepare it for concrete cover construction was

performed from December 6 through 8 with a John Deere 35G mini-excavator. An additional 42 cy of fill was delivered to the site on December 8, 2014 and placed within low areas of the Northeast Corner area excavation. In total, 315 cy of fill was required to fill the excavations and grade the site for concrete cover construction.

4.5 Concrete Cover Construction

The selected engineering control for the Site is the construction of a concrete cover in areas that contain soil with residual OC pesticide concentrations greater than their respective TRG for unrestricted use. In accordance with the RAP, the proposed minimum thickness of the concrete cover is two (2) inches. In advance of cover construction, the excavation areas were graded and leveled. Vegetation and up to six (6) inches of soil was removed from areas not subject to excavation during the removal action (e.g., contained OC pesticides at concentrations greater than TRGs for unrestricted use but less than TRGs for restricted use). These areas were also graded and leveled in preparation for concrete cover construction.

Final site preparation for the construction of the concrete cover included final site grading and the construction and placement of concrete forms. These activities were completed concurrently on December 6 and 8, 2014. Once the grading was complete and forms were in place, approximately 100 cy of concrete was delivered to the site and placed in the established concrete forms on December 8 and 9, 2014. The concrete cover was then finished by leveling and brushing the concrete surface. The concrete was allowed to set for a minimum of 24 hours prior to the removal of the concrete forms. All concrete forms were removed from the site on December 10, 2014.

The total area of the final concrete was approximately 12,000 square feet (ft²) and has an estimated average thickness of 3 inches. The extent of the concrete cover areas are depicted on Figure 7. Select site photographs depicting concrete cover construction and the completed concrete cover are included in Appendix A.

4.6 Post Removal Inspection

Following concrete cover construction activities, BMT removed all sediment and erosion control measures and restored the site to pre-work conditions. A post removal site inspection was conducted on December 10, 2014 to verify that all site work was complete, ensure that all trash and debris associated with the Removal Action had been removed from the site, and to document the final condition of the concrete cover. Select site photographs depicting the condition of the site following the completion of on-site Removal Action activities are included in Appendix A.

4.7 Management of Investigation-Derived Waste

Investigation-Derived Waste (IDW) generated during Removal Action activities are generally divided into two waste streams, solid and liquid IDW. Solid IDW generated during the implementation of the Removal Action included disposable equipment and materials (e.g., nitrile gloves and sample tubing) and general refuse (e.g., debris removed from the excavation and equipment packaging material). Solid IDW was bagged and placed in the facility solid waste stream dumpster. Larger pieces of debris were placed directly in the dumpster.

Liquid IDW generated during the implementation of the Removal Action was limited to decontamination fluids. Additionally, monitoring well purge water generated during post-removal action groundwater quality monitoring (Section 6) was combined with decontamination fluids. A total of approximately 20 gallons of liquid IDW was generated and was containerized in one (1) 55-gallon steel drum. The liquid IDW drum was labeled and staged on Site west of Building 6. The drum was transported by Clean Harbors Environmental and disposed of as non-hazardous waste on January 27, 2015. The approved waste profile for the liquid IDW and a completed non-hazardous waste manifest documenting the disposal of the liquid IDW are included as Appendix C.

5. POST EXCAVATION SAMPLING RESULTS

In accordance with the SAP, a total of twenty-one (21) post excavation soil samples were collected and submitted for laboratory analysis for OC pesticides via EPA Method 8081 (Section 4.2). Post excavation soil sample identifications include a prefix that corresponds to the excavation from which the sample was collected followed by two letters that indicate whether the sample was collected from the excavation floor of the excavation sidewall and two numbers which indicate the sample number. Soil samples collected from the Northeast Corner area have the prefix ESI4-19 while samples collected from the Building 14/15 area have the prefix B14/15. Post excavation samples collected from the excavation floor and sidewalls are identified with the letter FL and SW, respectively. The following subsections present the analytical results by excavation area.

5.1 Northeast Corner Area

A total of nine (9) post excavation samples were collected from the Northeast Corner area excavation. Five (5) post excavation soil samples were collected from the excavation floor (ESI4-19-FL-01 through FL-05). Four (4) post excavation soil samples were collected from the excavation sidewalls (ESI4-19-SW-01 through SW-04). The location of post excavation soil samples from the Northeast Corner area excavation are depicted in Figure 10.

The OC pesticide dieldrin was detected in post excavation soil sample ESI4-19-SW-01 at a concentration of 700 micrograms per kilogram ($\mu\text{g}/\text{kg}$) which is greater than its TRG for restricted use (358 $\mu\text{g}/\text{kg}$). Post excavation soil sample ESI4-19-SW-01 was collected from the eastern sidewall of the excavation, adjacent to the perimeter fence. The extent of the excavation in this area was limited by the site property boundary. During site characterization activities completed in 2012 (ESI6), the OC pesticide dieldrin was detected in soil sample ESI6-08, collected from the eastern property boundary within the Northeast Corner area at a depth of 0 to 6 inches, at a concentration of 840 $\mu\text{g}/\text{kg}$ (BMT, 2012b). The post excavation sample result from sidewall sample ESI4-19-SW-01 is consistent with site characterization data collected as part of ESI6 (ESI6-08). OC pesticides were not detected at concentrations greater than TRGs for restricted use in any other post excavation samples collected from the Northeast Corner area.

A Tag Map depicting all OC pesticide detections in the Northeast Corner area post excavation soil samples is included as Figure 11. Complete post excavation soil sample analytical results are provided in Appendix D.

5.2 Building 14/15 Area

A total of nine (9) post excavation samples were collected from the Building 14/15 area excavation. Six (6) post excavation soil samples were collected from the excavation floor (B14/15-FL-01 through FL-05). Six (6) post excavation soil samples were collected from the excavation sidewalls (B14/15-SW-01 through SW-06). The location of post excavation soil samples from the Building 14/15 area excavation are depicted in Figure 12.

OC pesticides were detected in two (2) post excavation soil samples from the Building 14/15 area at concentrations greater than their respective TRGs for restricted use. The OC pesticides dieldrin and heptachlor epoxide were detected in post excavation soil sample B14/15-FL-02 at concentrations of 820 and 710 µg/kg, respectively. The OC pesticide dieldrin was detected in post excavation soil sample B14/15-SW-02 at a concentration of 730 µg/kg. The dieldrin and heptachlor epoxide TRGs for restricted use are 358 and 629 µg/kg, respectively.

Post excavation soil samples B14/15-FL-02 and B14/15-SW-02 were collected from an isolated area of the excavation located east of Building 14, between the building the facility roadway (Figure 5). The extent of the excavation in this area was limited by the presence of Building 14, the facility road, a utility pole, and subsurface electric lines. Site characterization data for this section of the Building 14/15 excavation was limited to one sample collected during 2012 site characterization activities (ESI6-17). Surface soil samples (0 to 6 in bgs) and subsurface soil samples from 18 to 24 in bgs were collected soil boring (ESI6-17). Dieldrin was detected at a concentration greater than its TRG for restricted use in the ESI6-17 surface soil sample; however, dieldrin was not detected at a concentration greater than the TRG for restricted use in the subsurface soil sample. Heptachlor epoxide was not detected at a concentration greater than its TRG for restricted use in either sample interval and was not detected at a concentration greater than the laboratory reporting limit in the subsurface soil sample (BMT, 2012b). The inconsistencies between post excavation soil sample results and the site characterization sample results are attributable to the heterogeneous distribution of OC pesticides in site soil. Additionally, post excavation results indicate that the extent of OC pesticide contamination north of Building 14 has not been delineated.

OC pesticides were not detected at concentrations greater than TRGs for restricted use in any other post excavation samples collected from the Building 14/15 area. A Tag Map depicting all OC pesticide detections in the Building 14/15 area post excavation soil samples is included as Figure 13. Complete post excavation soil sample analytical results are provided in Appendix D.

5.3 Post Excavation Soil Sampling Results Summary

One of the objectives of the Removal Action was to remove soil containing OC pesticides at concentrations greater than their respective TRGs for restricted use. The excavation was completed in accordance with the RAP and a total of 302 cy of pesticide impacted soil was removed from the Site. The excavations were completed to the depths specified in the RAP with the exception of areas where site infrastructure limited the depth of excavation. Overall, the Removal Action was largely effective in removing soil at the Site with concentrations of OC pesticides greater than their TRGs for restricted use.

OC pesticides were detected in 3 of 21 post excavation soil samples at concentrations greater than their respective TRGs for restricted use. The OC pesticide dieldrin was detected at a concentration greater than its TRG for restricted use in three (3) soil samples (ESI4-SW-01, B14/15-SW-02, and B14/15-FL-02). The OC pesticide heptachlor epoxide was also detected in soil sample B14/15-FL-02 at a concentration greater than its TRG for restricted use.

Post excavation soil sample ESI4-SW-01 was collected from the sidewall of the Northeast Corner area excavation, at the eastern property boundary. The excavation in this direction was limited by the site property boundary and is consistent with OC pesticide concentrations detected in soil at the property boundary during site characterization (BMT, 2012b). OC pesticides were not detected at concentrations greater than their respective TRGs for restricted use in any other post-excavation samples collected from the Northeast Corner area. With the exception of post excavation samples B14/15-SW-02 and B14/15-FL-02, OC pesticides were not detected in post excavation soil samples from the Building 14/15 area at concentrations greater than their TRGs for restricted use. These results indicate that the Removal Action was effective in removing soil with the greatest concentrations of OC pesticides identified during site characterization including:

- Removal of soil north of Building 15 that contained aldrin and dieldrin at maximum concentrations of 12,000 and 160,000 µg/kg, respectively.
- Removal of soil located immediately south and east of Building 15 that contained dieldrin at maximum concentrations of 2,200 µg/kg.
- Removal of soil located between Buildings 14 and 15 that contained dieldrin at concentrations up to 7,900 µg/kg.
- Removal of soil located across the site roadway from Building 15 containing dieldrin at concentrations ranging from 1,600 to 2,700 µg/kg.
- Removal of soil east of Building 14 that contained dieldrin and DDT and at maximum concentrations of 1,700 and 4,300 µg/kg, respectively.

The removal of OC pesticide contaminated soil located west of Building 15, between Building 15 and the property boundary, was limited by site infrastructure. A post excavation soil sample was not collected from this area. Based on site characterization data, OC pesticides remain in soil in this area at depths greater than 18 in bgs (the limit of the excavation) at concentrations greater than their respective TRGs for restricted use. The concrete cover engineering control was applied to this excavation area to prevent potential exposure to these soils.

Although the removal of soil east of Building 14 resulted in the removal of soil containing the OC pesticides dieldrin and DDT and at concentrations of 1,700 and 4,300 µg/kg, respectively, post excavation samples indicate that OC pesticides (dieldrin and heptachlor epoxide) remain in soil in this area at concentrations greater than their respective TRGs. OC pesticides remaining on the floor of the excavation have been covered with clean fill and the concrete cover engineering control has been applied to this area to prevent potential exposure to these soils. The presence of OC pesticides on the northern sidewall (B14/15-SW-02) of this excavation area indicate that OC pesticides may be present outside of the area of excavation at concentrations greater than their TRGs for restricted and/or unrestricted use.

6. GROUNDWATER QUALITY MONITORING

Following the completion of the Removal Action, a groundwater quality monitoring event was completed to assess groundwater quality. A total of seven (7) on-site groundwater monitoring wells were gauged and sampled on December 6 and 7, 2014. A Groundwater Monitoring Well Location Map is included as Figure 14. The following subsections detail monitoring well sampling activities and groundwater quality monitoring results.

6.1 Monitoring Well Gauging

Each monitoring well was inspected prior to sampling for integrity, physical damage, or tampering. Initial depth to groundwater was measured using a water level indicator to 0.01 ft accuracy at the permanent reference point marked on each well casing. Relative groundwater elevations were determined from measured groundwater levels and were used to create a groundwater elevation contour map, included as Figure 15. Based on the groundwater elevation contour map, groundwater flows to the southeast at an approximant gradient of 0.007.

6.2 Monitoring Well Sampling

Monitoring wells were sampled using low-flow sampling methodology in accordance with EPA Low-flow protocol (EPA, 2002). Water quality parameters including dissolved oxygen (DO), temperature, salinity, pH, specific conductivity, turbidity, and oxidation-reduction potential (ORP) were measured using a Horiba® U-52 Multiparameter Water Quality Meter. Water quality parameters were recorded during sample collection and are summarized in Table 1.

Table 1: Water Quality Parameter Summary

Monitoring Well	Dissolved Oxygen (mg/L)	Temp. (°C)	Salinity (%)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	ORP (mV)
MW-01	2.42	19.34	0.1	4.12	0.115	556	65
MW-02	2.85	20.24	0.1	3.14	0.173	394	211
MW-03	2.68	24.20	0.1	5.85	0.291	427	101
MW-04	1.60	23.45	0.2	4.05	0.358	>1,000	28
MW-05	2.86	22.06	0.1	4.44	0.257	352	139
MW-05S	2.61	21.35	0.1	4.01	0.210	>1,000	164
MW-06	1.88	22.51	0.1	3.55	0.180	170	190

Note: mg/L - milligrams per liter
mS/cm – millisiemens per centimeter
NTU - Nephelometric Turbidity Unit
mV – millivolts

Groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260, OC pesticides via EPA Method 8081, and metals via EPA Methods 6010 and 7471. In order to obtain samples representative of groundwater quality, metals samples were collected and

analyzed for total and dissolved fractions. Samples for the dissolved fraction were filtered by the analytical laboratory using a 0.45 micron filter. All low-flow purge water was containerized with equipment decontamination fluid and transported off site for appropriate disposal (Section 4.7).

6.3 Groundwater Quality Monitoring Results

Groundwater quality analytical data was validated in accordance with the requirements detailed in the QAPP and EPAs National Functional Guidelines for Data Review (BMT, 2010). Validated analytical results were compared to MDEQ Tier 1 TRGs. Complete groundwater analytical results are included as Appendix E.

VOCs were not detected in any groundwater samples. During previous groundwater quality monitoring events, the VOCs chloroform and naphthalene were detected at concentrations greater than their Tier 1 TRGs in monitoring wells MW-03 and MW-05S, respectively (TtNUS, 2007 and BMT, 2012b). Historically, no other VOCs have been detected in site groundwater at concentrations greater than their TRGs.

A total of five (5) OC pesticides (alpha-chlordane, gamma-chlordane, beta-BHC, dieldrin, and heptachlor epoxide) were detected in site groundwater. The OC pesticides dieldrin and beta-BHC were detected in groundwater at concentrations greater than their Tier 1 TRGs of 0.00419 and 0.0372 µg/L, respectively. Dieldrin was detected in monitoring wells MW-02, MW-03, and MW-05S at concentrations of 0.058, 0.52, and 0.21 µg/L, respectively. Beta-BHC was detected in monitoring well MW-03 at a concentration of 0.17 µg/L. No other OC pesticides were detected in groundwater at concentrations greater than their Tier 1 TRGs. The maximum concentration of dieldrin in groundwater (0.52 µg/L) was detected in MW-03, which is located on the southeast portion of the facility. A Tag Map depicting OC pesticides detected in site groundwater is included in Figure 16.

During previous site investigations, site maximum concentrations of OC pesticides were also detected in monitoring well MW-03. The pesticides dieldrin and beta-BHC have historically been detected in monitoring wells MW-02 and MW-03; however, dieldrin was not detected in monitoring well MW-05S when it was sampled following installation in 2012 (BMT, 2012b). The pesticides alpha-chlordane and gamma-chlordane (detected in monitoring well MW-05S) and the pesticide heptachlor epoxide (detected in monitoring well MW-03) have not historically been detected during groundwater quality monitoring.

A total of seven (7) metals (aluminum, arsenic, beryllium, iron, lead, thallium, and vanadium) were detected in unfiltered groundwater samples at concentrations greater than their respective TRGs. Filtered groundwater samples better represent metals concentrations in groundwater, particularly in sediment-laden groundwater as was observed in all monitoring wells (turbidity ranged from 170 to

greater than 1,000 NTU). Metals were not detected in filtered groundwater samples at concentrations greater than their respective TRGs.

7. SUMMARY AND CONCLUSIONS

This comprehensive After Action Report was prepared to summarize all planning and field implementation activities for the Removal Action completed at the former CPHST ANPCL in December of 2014. All Removal Action activities were completed in accordance with an approved RAP. This After Action Report includes documentation of post excavation sample analytical and waste transport and disposal data. The After Action Report details the following:

- Site history, extent of contamination, and Removal Action objectives.
- Removal planning including the completion of a comprehensive RAP and component documents.
- Removal Action field activities including:
 - The excavation, transport, and disposal of 360.89 tons of soil as non-hazardous waste at the WMPGSL.
 - The collection of twenty-one (21) post-excavation soil samples for laboratory analysis of OC pesticides, data validation, and data analysis.
 - The placement of approximately 315 cy of clean fill within the excavation areas.
 - Grading of fill material to restore the site to near original grade and to prepare the site for the construction of the concrete cover engineering control.
 - The construction of a concrete cover with an area of approximately 12,000 ft² and a thickness of approximately 3 inches.
 - Photographic documentation of site activities (Appendix A).
- Post Removal Action groundwater quality monitoring including the collection of groundwater samples from seven (7) on-site monitoring well and submittal of samples for laboratory analysis of VOCs, OC pesticides, and total and dissolved metals (Section 6).

The objective of the Removal Action was to remove soil with OC pesticide concentrations greater than their respective TRGs for restricted use and to address potential exposure to soils remaining at the site at concentrations greater than TRGs for unrestricted use through the construction of a concrete cover engineering control. Most of the soils containing OC pesticides at concentrations greater than TRGs were removed. Post excavation samples collected in the Building 14/15 excavation area immediately east and north of Building 14 indicate that a few OC pesticides remain on site at concentrations greater than their TRGs for restricted use. These soils are covered by approximately 1 ft of clean fill and a 3-inch concrete cover.

The construction of the concrete cover engineering control effectively closes the potential exposure pathways for site soil and reduces the potential for soil and/or contaminant migration by protecting soils from wind and water erosion and by reducing the infiltration of precipitation. The concrete cover was

applied to all areas identified during site characterization activities with OC pesticides at concentrations greater than TRGs for unrestricted use.

The Removal Action was implemented to address on-site soil contaminated with OC pesticides. Site characterization data and post excavation soil sample results suggest that OC pesticides may be present at the site property boundary at concentrations greater than TRGs for restricted use.

Constraints associated with property boundaries, site infrastructure, and building foundations limit further removal efforts. Post remediation groundwater sampling also indicate OC pesticides slightly above TRGs. It is recommended that existing monitoring wells be abandoned. The recommended institutional controls are:

1. No use of groundwater without prior approval of MDEQ.
2. No excavation of soil under the concrete caps without prior approval MDEQ.
3. If the concrete cap is removed for any reason, it must be replaced with a cap of equal or greater protectiveness.

8. REFERENCES

- BMT, 2010. *Quality Assurance Project Plan for the NTCRA at the CPHST ANPCL, Gulfport, Mississippi*. Final. November.
- BMT, 2011. *Supplemental Site Characterization After Action Report for the Center for Plant Health Science and Technology, Analytical and Natural Products Chemistry Laboratory. Gulfport, Mississippi*. Final. March
- BMT, 2012. *Engineering Evaluation and Cost Analysis: Center for Plant Health Science and Technology, Analytical and Natural Products Chemistry Laboratory. Gulfport, Mississippi*. Final. September.
- BMT, 2012a. *Community Relations Plan for the Center for Plant Health Science and Technology, Analytical and Natural Products Chemistry Laboratory. Gulfport, Mississippi*. Final. September.
- BMT, 2012b. *Supplemental Site Characterization After Action Report, Environmental Site Investigation VI. Center for Plant Health Science and Technology, Analytical and Natural Products Chemistry Laboratory. Gulfport, Mississippi*. Final. March.
- BMT, 2014. *Removal Action Plan for The Non-Time Critical Removal Action at the Center for Plant Health Science and Technology Analytical and Natural Products Laboratory in Gulfport, Mississippi*. Final. April.
- EPA, 2002. *Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers, Groundwater Forum Issue Paper, EPA 542-S-02-00*. May. Retrieved Online February 2015: http://www.epa.gov/superfund/remedytech/tsp/download/gw_sampling_guide.pdf
- EPA, 2006. *EPA WasteWise Standard Volume-to-Weight Conversion Factors*. Retrieved Online February 2015: <http://www.epa.gov/smm/wastewise/pubs/conversions.pdf>
- MDEQ, 2002. *Final Regulations Governing Brownfield Voluntary Cleanup and Redevelopment in Mississippi*. February. Retrieved Online February 2015 at: www.deq.state.ms.us/MDEQ.nsf/pdf/GARD_brownfieldrisk
- TtNUS, 2005. *Final Preliminary Assessment and Site Investigation for the United States Department of Agriculture Animal and Plant Health Inspection Service Facility. Gulfport, Mississippi*. March.
- TtNUS, 2007. *Data Summary Letter Report: Events I and II at the United States Department of Agriculture Animal and Plant Health Inspection Service Facility. Gulfport, Mississippi*. January.
- TtNUS, 2008. *Data Summary Letter Report: Soil Study at the United States Department of Agriculture Animal and Plant Health Inspection Service Facility. Gulfport, Mississippi*. February.

TtNUS, 2010. *Phase IV Expanded Site Investigation Report for the CPHST ANPCL. Gulfport, Mississippi.* Final. February.

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- Figure 4: Northeast Corner Area Subsurface Utilities
- Figure 5: Building 14/15 Area Excavation Extents
- Figure 6: Northeast Corner Area Excavation Extents
- Figure 7: Extent of Concrete Cover Engineering Control
- Figure 8: Removal Action Site Work Zones
- Figure 9: Sediment and Erosion Control Features Map
- Figure 10: Northeast Corner Area Post Excavation Soil Sample Location Map
- Figure 11: Northeast Corner Area Post Excavation Soil Sample Results Tag Map
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- Figure 15: Groundwater Elevation Contour Map
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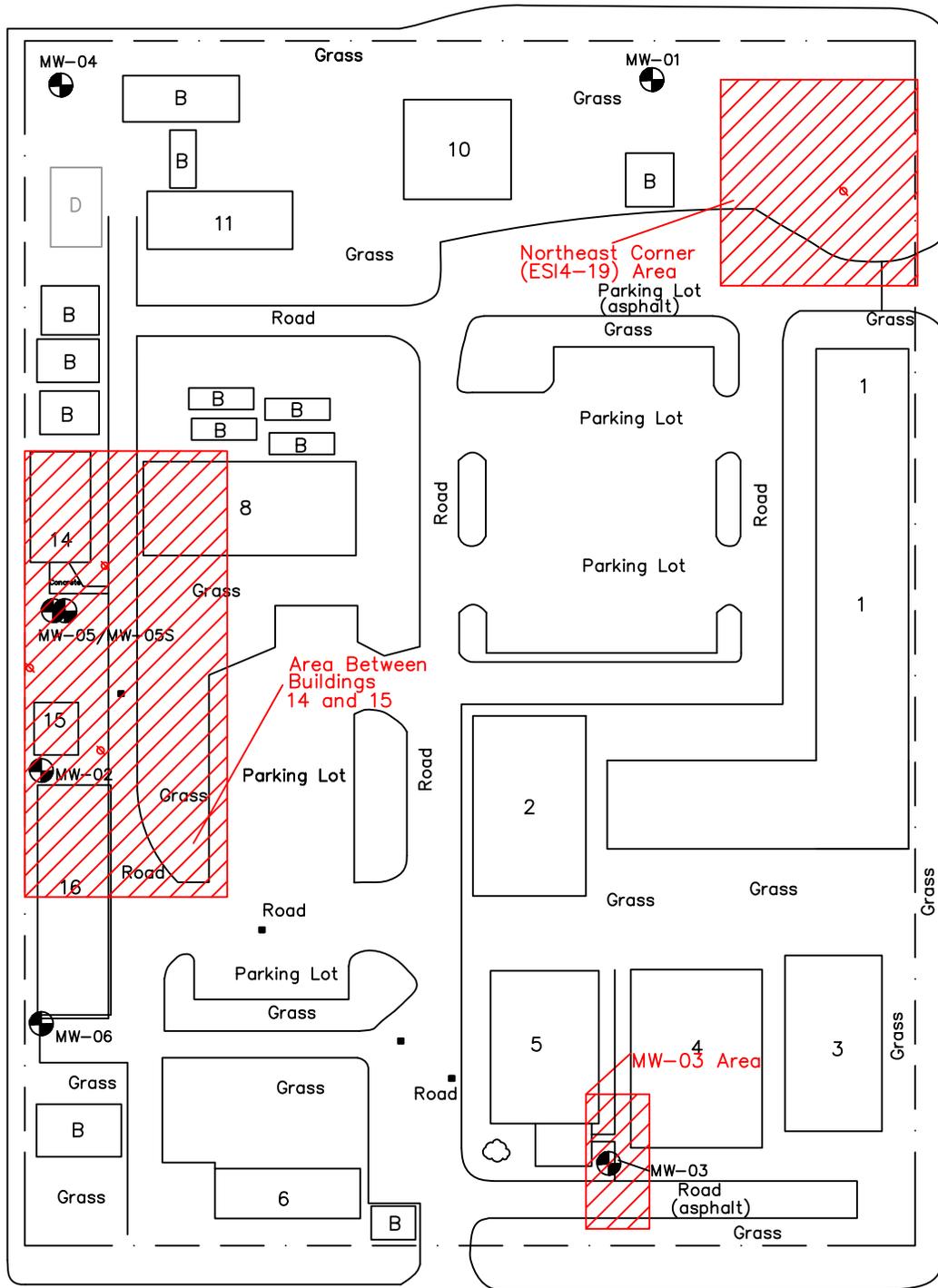


 **BMT** Designers & Planners

Approximate Scale: 1" = 22 miles

Figure 1: Gulfport, Mississippi Location Map

PRIVATE ROAD



STATE HIGHWAY 49

34TH STREET

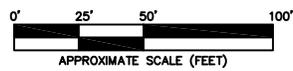


FIGURE 2

Site Location Map With Areas of Concern



LEGEND

- BUILDING/SITE FEATURE
- FENCE/PROPERTY BOUNDARY
- ⊙ MONITORING WELL
- ▨ STORM DRAIN
- ⊗ UTILITY POLE
- ▨ SOIL INVESTIGATION AREA
- ⊡ STRUCTURE WITH NO BUILDING NUMBER
- DEMOLISHED STRUCTURE



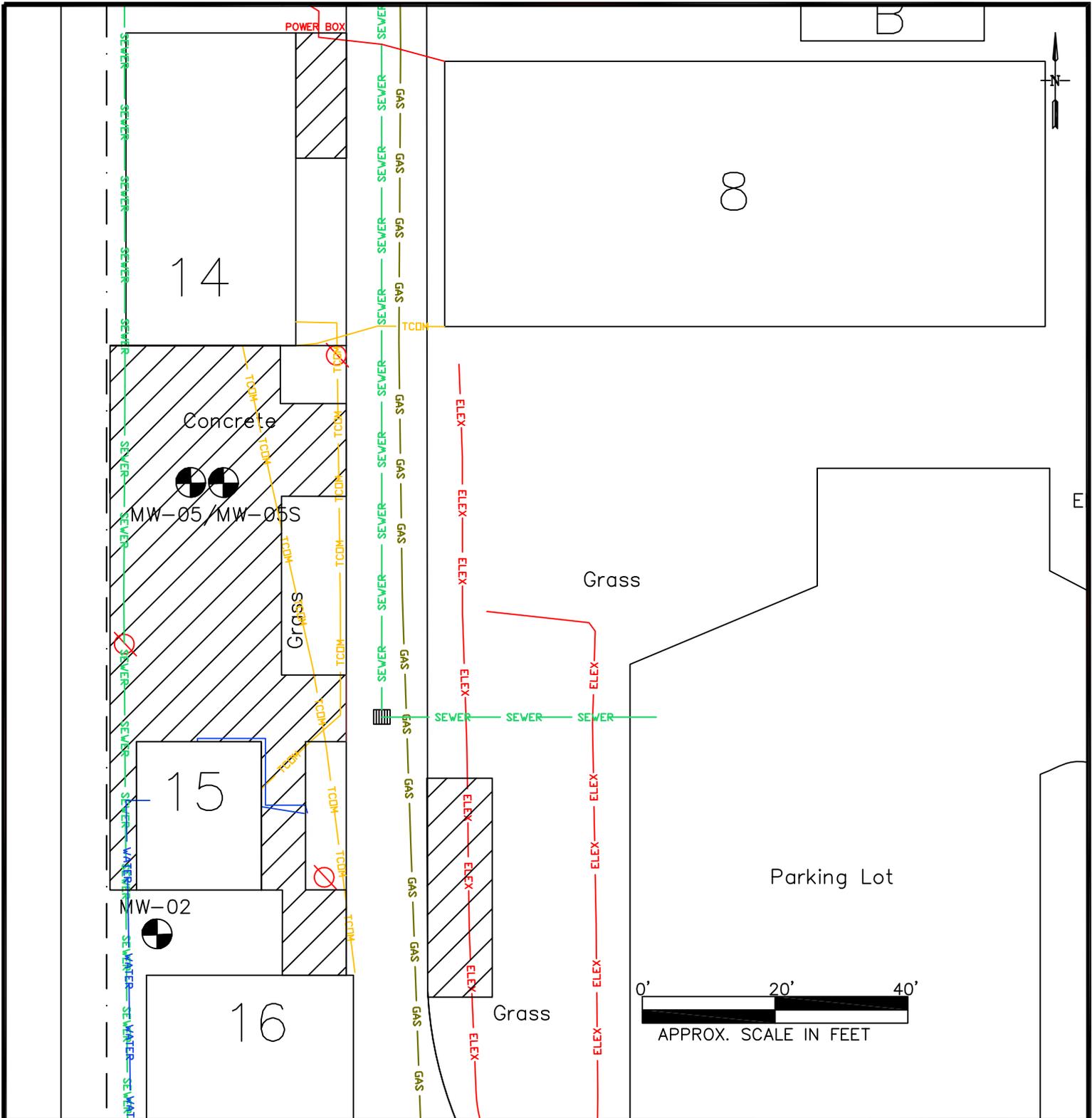
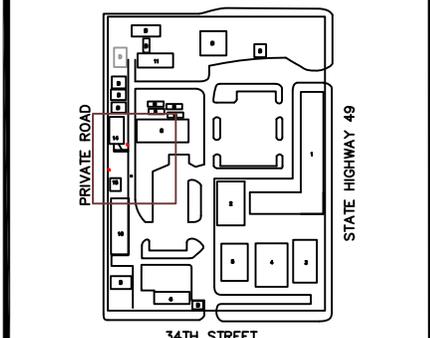


FIGURE 3
 Building 14/15 Area
 Subsurface Utilities



LEGEND	
	BUILDING/SITE FEATURE
	FENCE/PROPERTY BOUNDARY
	MONITORING WELL
	UTILITY POLE
	ELEX — ELECTRICAL LINE
	GAS — GAS LINE
	SEWER — SEWER LINE
	TCDM — TELECOMMUNICATIONS LINE
	WATER — WATER LINE
	EXTENT OF EXCAVATION



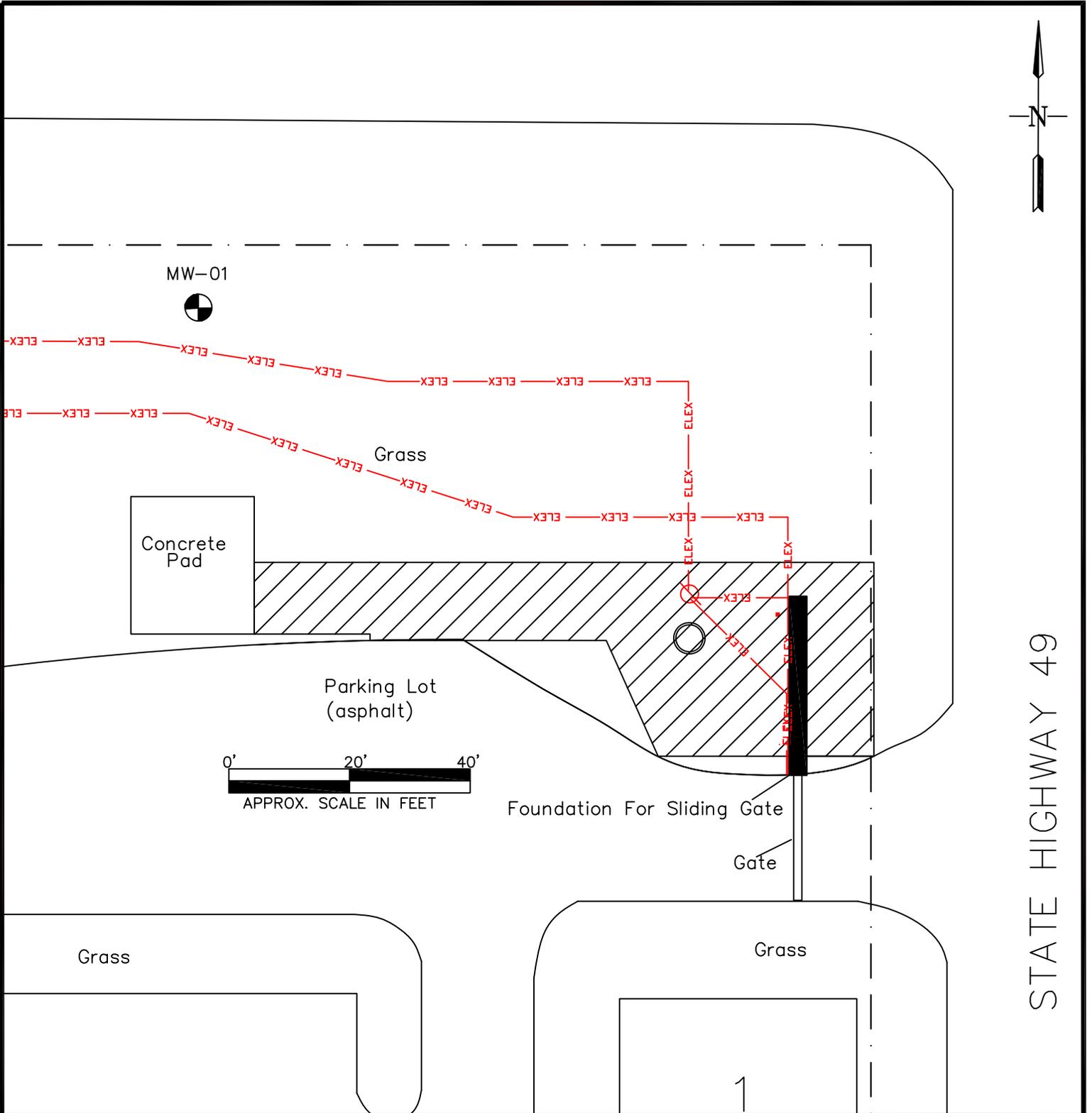
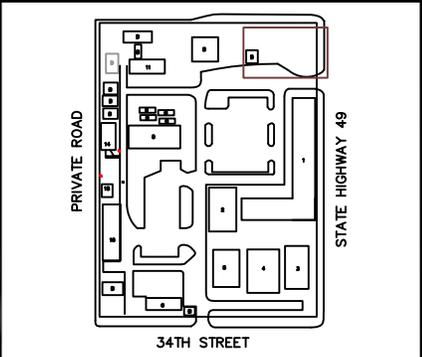


FIGURE 4
Northeast Corner Area
Subsurface Utilities



LEGEND	
	BUILDING/SITE FEATURE
	FENCE/PROPERTY BOUNDARY
	MONITORING WELL
	UTILITY POLE
	ELECTRICAL LINE
	EXTENT OF EXCAVATION



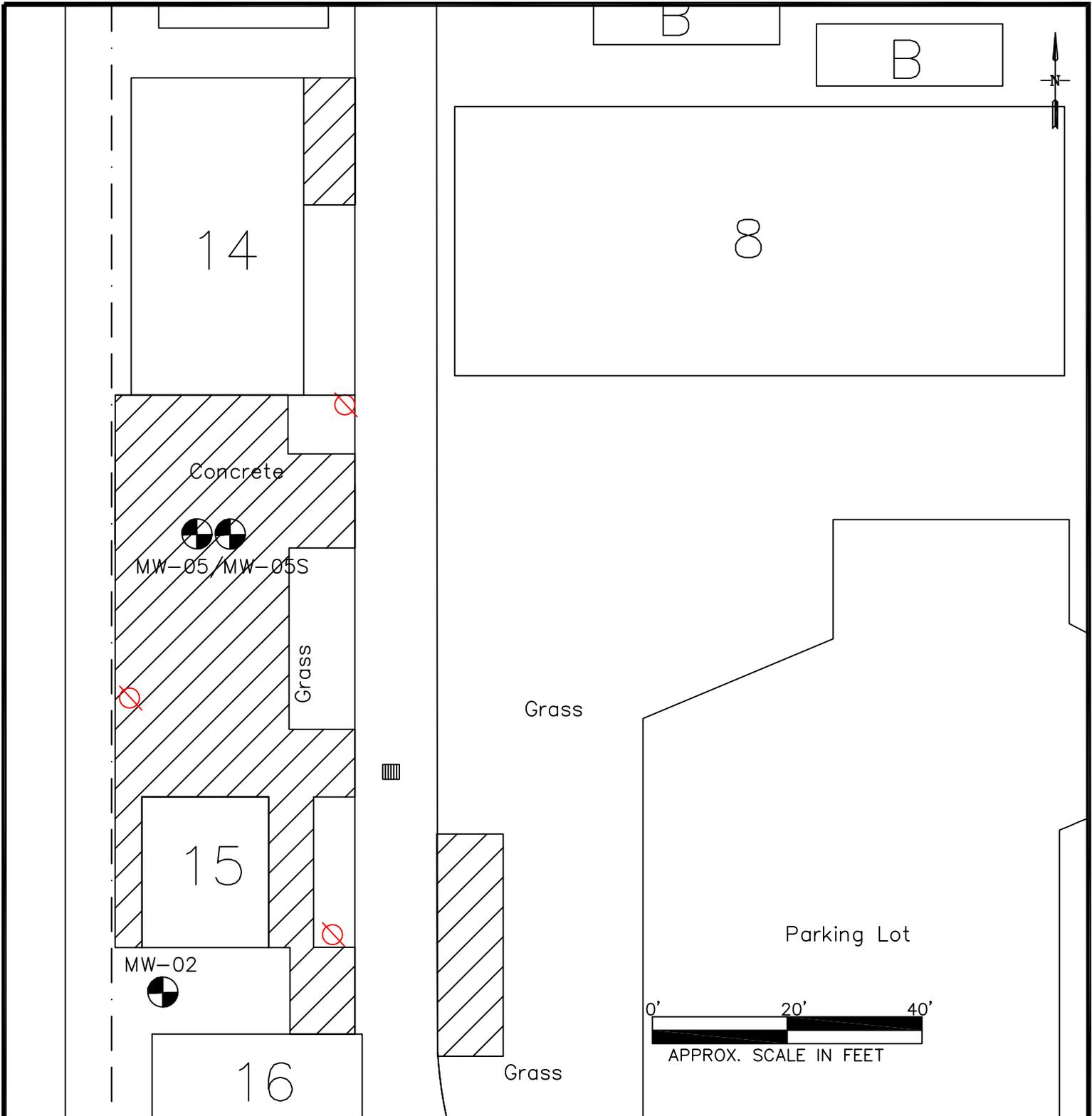


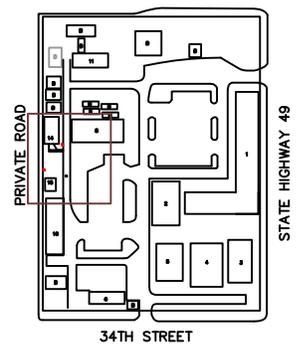
FIGURE 5

Building 14/15 Area
Excavation Extents



LEGEND

- BUILDING/SITE FEATURE
- - - FENCE/PROPERTY BOUNDARY
- MONITORING WELL
- ⊗ UTILITY POLE
- ▨ EXTENT OF EXCAVATION



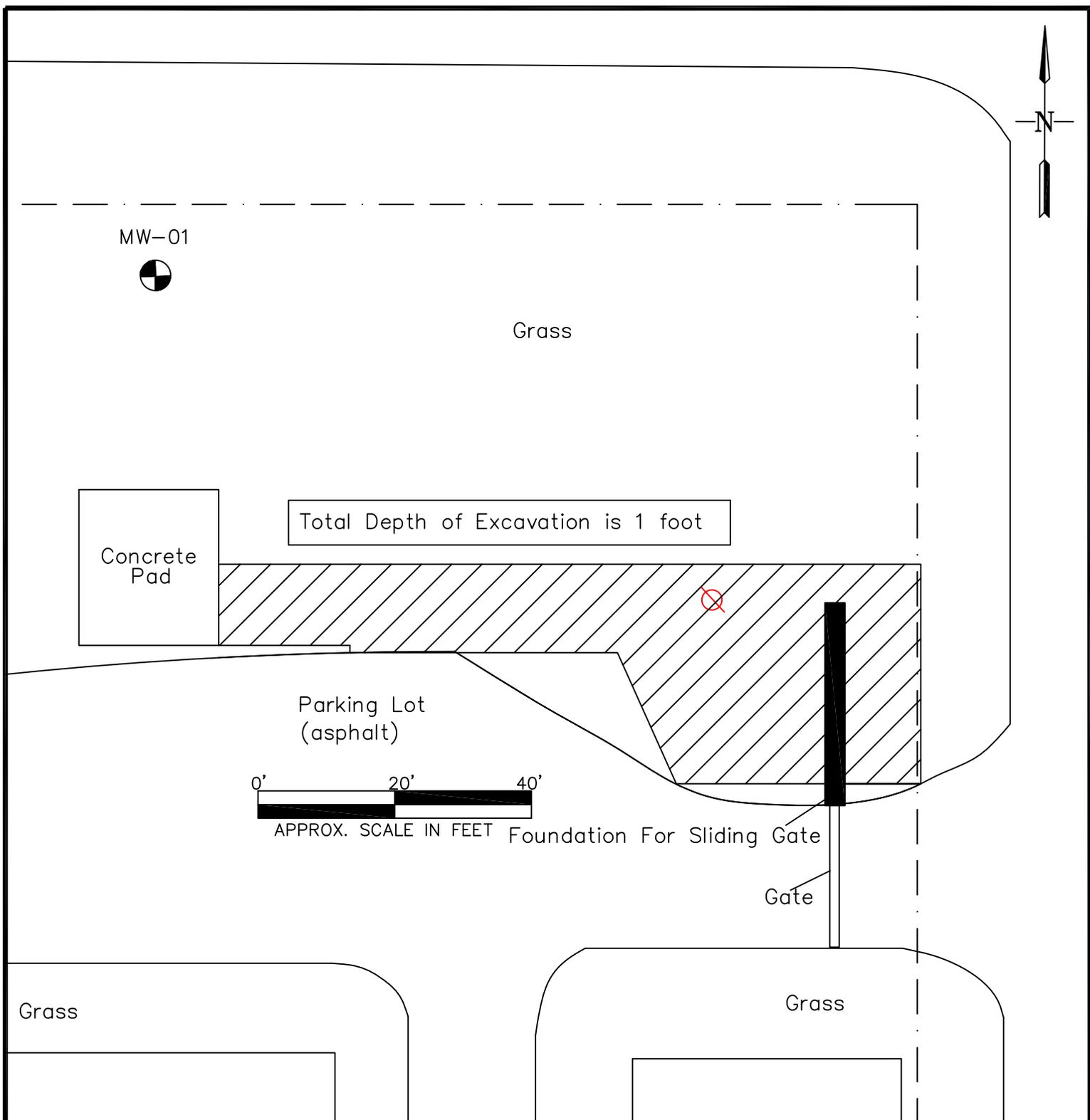
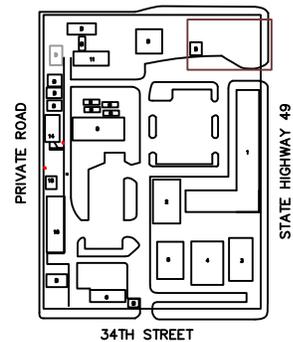


FIGURE 6
Northeast Corner Area
Excavation Extents

LEGEND

- BUILDING/SITE FEATURE
- - - FENCE/PROPERTY BOUNDARY
- ⊙ MONITORING WELL
- ⊘ UTILITY POLE
- ▨ EXTENT OF EXCAVATION



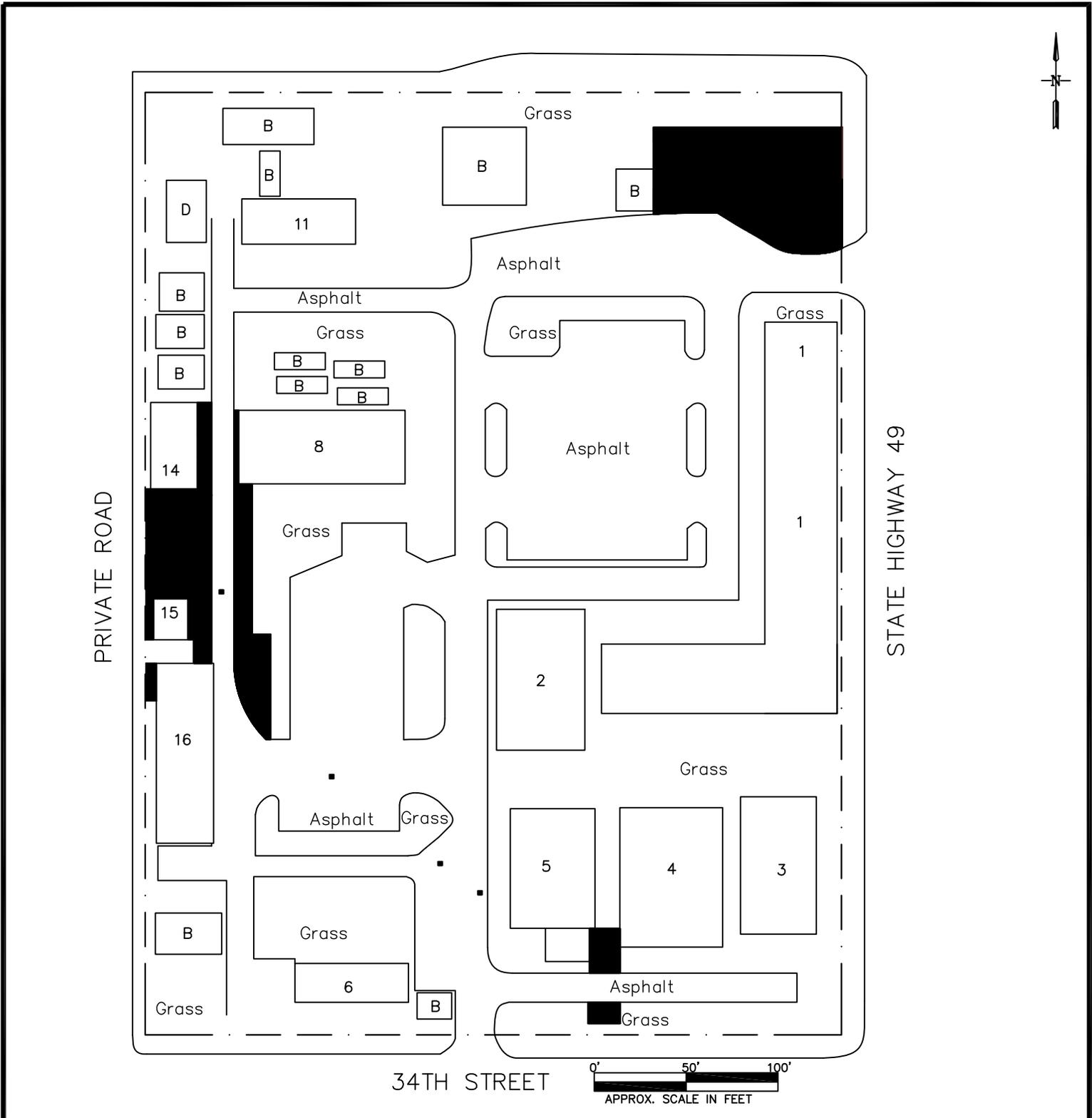


FIGURE 7

Extent of Concrete Cover Engineering Control

LEGEND

——— BUILDING

--- FENCE/PROPERTY BOUNDARY

■ CONCRETE COVER AREA



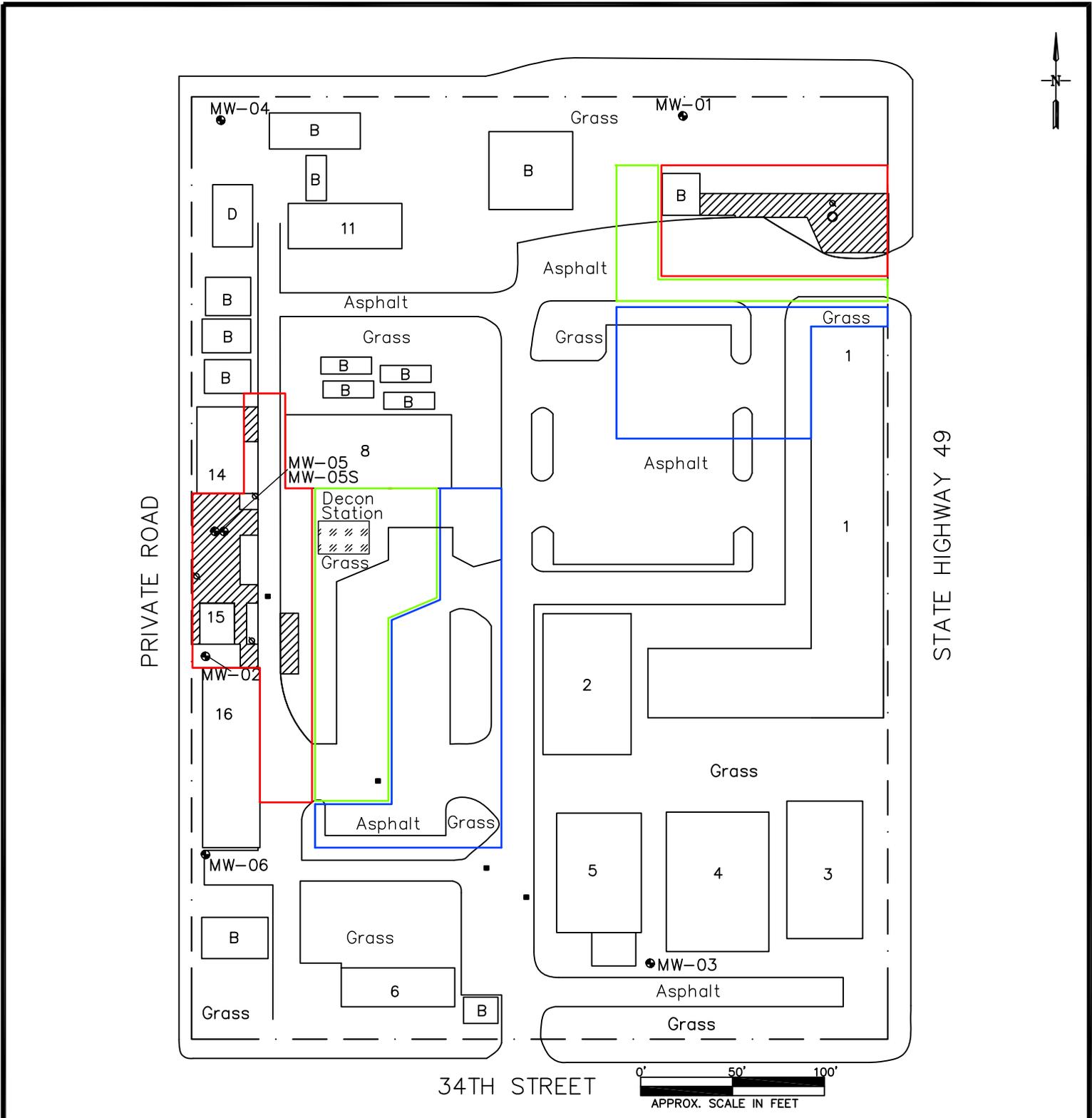


FIGURE 8

Removal Action
Site Work Zones

LEGEND

- BUILDING
- FENCE/PROPERTY BOUNDARY
- MONITORING WELL
- Exclusion Zone
- Contamination Reduction Zone
- Support Zone



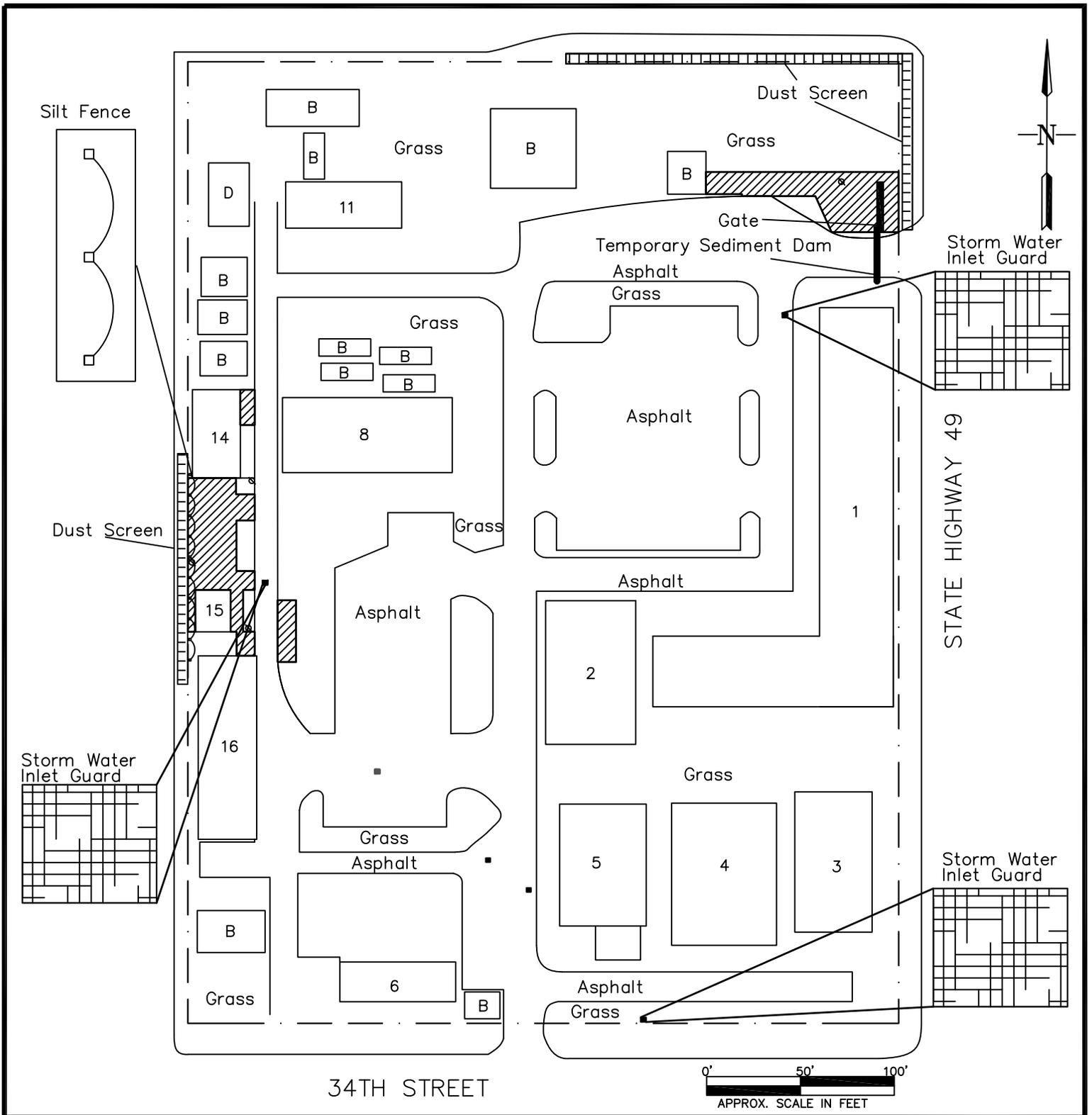


FIGURE 9
Sediment and Erosion Control Features Map



LEGEND	
	Building
	Fence/Property Boundary
	Monitoring Well
	Temporary Berm or Dam
	Wind Screen
	Silt Fence
	Storm Water Inlet Guard
	Excavation Extent





Note: All sample identifications in the Northeast Corner Area excavation area have the prefix "ESI4-19-" before them.

MW-01



Grass

Concrete Pad

FL-05

FL-04

SW-03

FL-02

SW-04

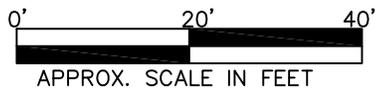


SW-01

FL-01

Parking Lot (asphalt)

FL-03



Foundation For Sliding Gate

SW-02

Gate

STATE HIGHWAY 49

Grass

Grass

1

FIGURE 10

Northeast Corner Area
Post Excavation Soil
Sample Location Map

LEGEND

BUILDING

FENCE/PROPERTY BOUNDARY



MONITORING WELL



UTILITY POLE



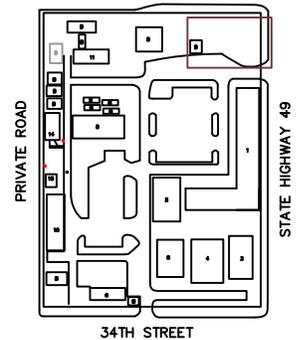
Excavation Extents



Excavation Sidewall Sample Location

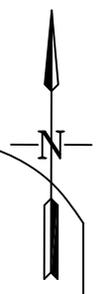


Excavation Floor Sample Location



34TH STREET

Note: Exceedances of TRG-Rs are Shaded
 TRG-Rs are Target Remediation Goals for Restricted Use
 *All Sample Results in ug/kg



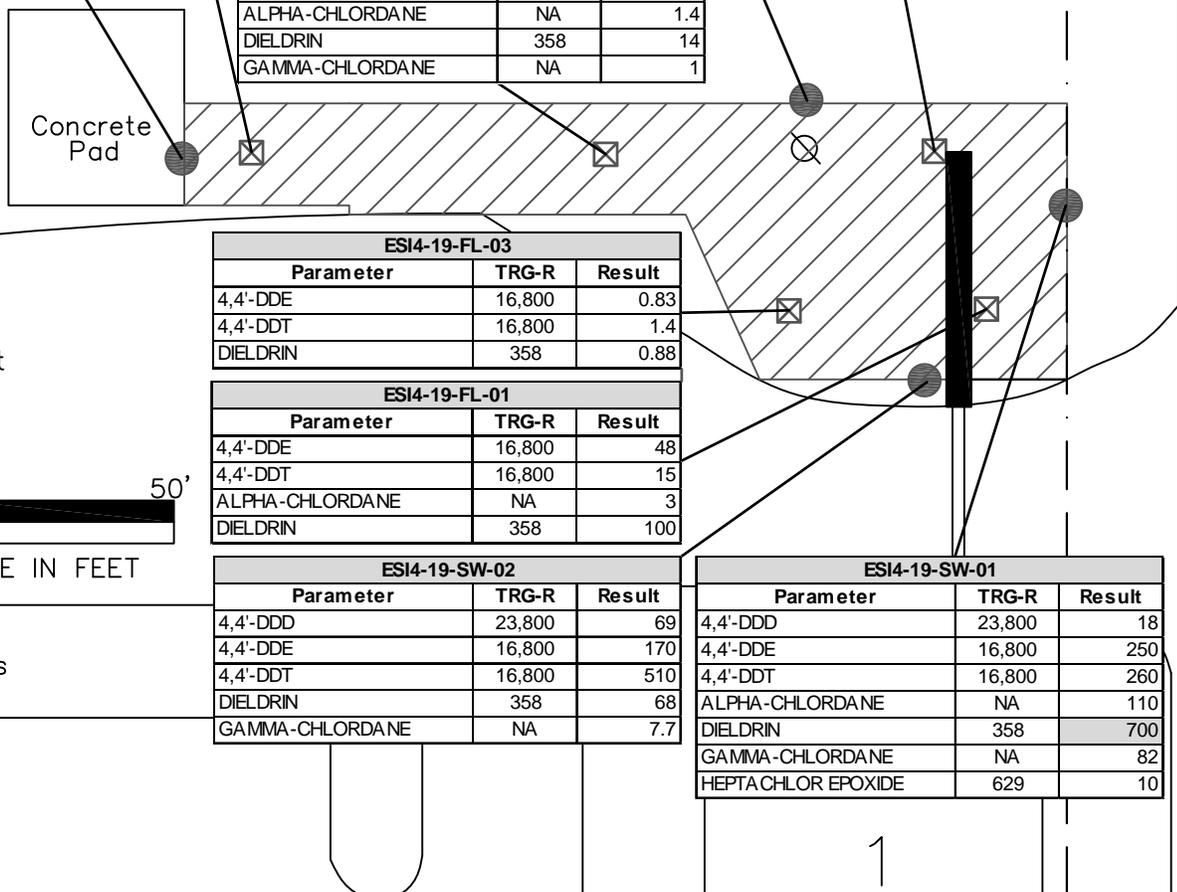
ESI4-19-FL-05		
Parameter	TRG-R	Result
4,4'-DDD	23,800	2.3
4,4'-DDE	16,800	13
4,4'-DDT	16,800	10
DIELDRIN	358	30

ESI4-19-FL-02		
Parameter	TRG-R	Result
4,4'-DDT	16,800	2.5
DIELDRIN	358	1.4

ESI4-19-SW-03		
Parameter	TRG-R	Result
4,4'-DDE	16,800	2.3
4,4'-DDT	16,800	2.3
DIELDRIN	358	2.7

ESI4-19-SW-04		
Parameter	TRG-R	Result
4,4'-DDE	16,800	59
4,4'-DDT	16,800	44
ALPHA-CHLORDANE	NA	5
DIELDRIN	358	67
GAMMA-CHLORDANE	NA	3.2

ESI4-19-FL-04		
Parameter	TRG-R	Result
4,4'-DDD	23,800	1.1
4,4'-DDE	16,800	12
4,4'-DDT	16,800	8.4
ALPHA-CHLORDANE	NA	1.4
DIELDRIN	358	14
GAMMA-CHLORDANE	NA	1



ESI4-19-FL-03		
Parameter	TRG-R	Result
4,4'-DDE	16,800	0.83
4,4'-DDT	16,800	1.4
DIELDRIN	358	0.88

ESI4-19-FL-01		
Parameter	TRG-R	Result
4,4'-DDE	16,800	48
4,4'-DDT	16,800	15
ALPHA-CHLORDANE	NA	3
DIELDRIN	358	100

ESI4-19-SW-02		
Parameter	TRG-R	Result
4,4'-DDD	23,800	69
4,4'-DDE	16,800	170
4,4'-DDT	16,800	510
DIELDRIN	358	68
GAMMA-CHLORDANE	NA	7.7

ESI4-19-SW-01		
Parameter	TRG-R	Result
4,4'-DDD	23,800	18
4,4'-DDE	16,800	250
4,4'-DDT	16,800	260
ALPHA-CHLORDANE	NA	110
DIELDRIN	358	700
GAMMA-CHLORDANE	NA	82
HEPTACHLOR EPOXIDE	629	10

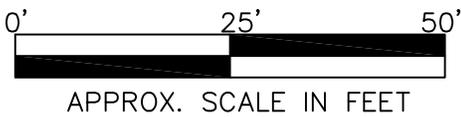


FIGURE 11
 Northeast Corner Area
 Post Excavation Soil
 Sample Location Tag Map



LEGEND

— BUILDING

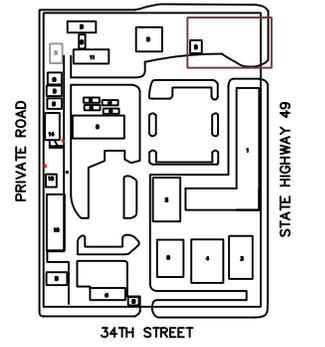
- - - FENCE/PROPERTY BOUNDARY

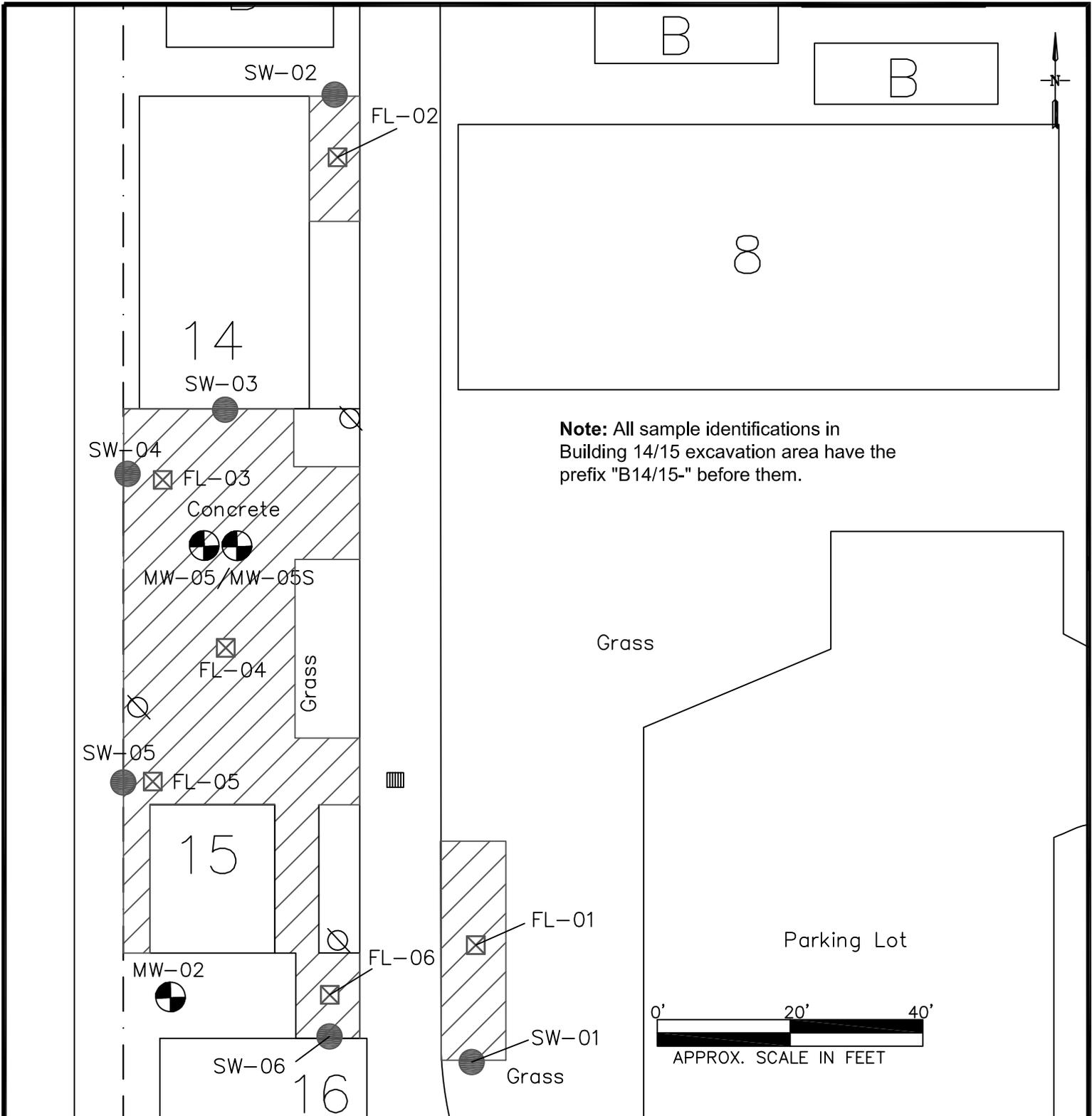
⊗ MONITORING WELL ⊙ UTILITY POLE

▨ Excavation Extents

● Excavation Sidewall Sample Location

⊗ Excavation Floor Sample Location





Note: All sample identifications in Building 14/15 excavation area have the prefix "B14/15-" before them.

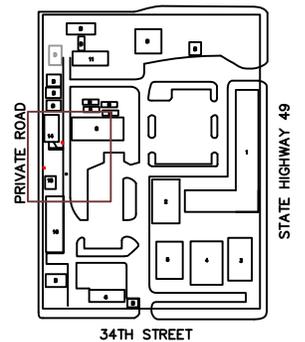
FIGURE 12

Building 14/15 Area
Post Excavation Soil
Sample Location Map



LEGEND

- BUILDING
- - - FENCE/PROPERTY BOUNDARY
- ⊕ MONITORING WELL
- ⊘ UTILITY POLE
- ▨ Excavation Extents
- Excavation Sidewall Sample Location
- ⊠ Excavation Floor Sample Location



B14/15-SW-02		
Parameter	TRG-R	Result
4,4'-DDE	16,800	310
4,4'-DDD	23,800	100
4,4'-DDT	16,800	440
ALPHA-CHLORDANE	NA	320
BETA-BHC	3,180	18
DIELDRIN	358	730
GAMMA-CHLORDANE	NA	1000
HEPTACHLOR	195	48
HEPTACHLOR EPOXIDE	629	200

B14/15-FL-03		
Parameter	TRG-R	Result
4,4'-DDD	23,800	16
ALPHA-CHLORDANE	NA	3.9
DIELDRIN	358	32
GAMMA-CHLORDANE	NA	5.8
HEPTACHLOR EPOXIDE	629	5.6

B14/15-SW-04		
Parameter	TRG-R	Result
4,4'-DDE	16,800	19
4,4'-DDT	16,800	19
ALPHA-CHLORDANE	NA	17
DIELDRIN	358	140
GAMMA-CHLORDANE	NA	20

B14/15-FL-04		
Parameter	TRG-R	Result
4,4'-DDE	16,800	6
4,4'-DDT	16,800	8.3
DIELDRIN	358	28
GAMMA-CHLORDANE	NA	2

B14/15-SW-05		
Parameter	TRG-R	Result
DIELDRIN	358	310

B14/15-FL-05		
Parameter	TRG-R	Result
DIELDRIN	358	190

B14/15-FL-06		
Parameter	TRG-R	Result
4,4'-DDD	23,800	4.3
4,4'-DDE	16,800	68
4,4'-DDT	16,800	10
ALPHA-CHLORDANE	NA	5.2
DIELDRIN	358	39
GAMMA-CHLORDANE	NA	22
HEPTACHLOR EPOXIDE	629	3.8

B14/15-SW-06		
Parameter	TRG-R	Result
4,4'-DDE	16,800	3.8
4,4'-DDT	16,800	8.3
DIELDRIN	358	2.9

B

B

B14/15-FL-02		
Parameter	TRG-R	Result
4,4'-DDD	23,800	40
4,4'-DDE	16,800	110
4,4'-DDT	16,800	190
ALPHA-CHLORDANE	NA	180
DIELDRIN	358	820
GAMMA-CHLORDANE	NA	380
HEPTACHLOR	195	16
HEPTACHLOR EPOXIDE	629	710

B14/15-SW-03		
Parameter	TRG-R	Result
ALPHA-CHLORDANE	NA	22
BETA-BHC	3,180	15
DIELDRIN	358	160
GAMMA-CHLORDANE	NA	88
HEPTACHLOR EPOXIDE	629	100

B14/15-FL-01		
Parameter	TRG-R	Result
4,4'-DDE	16,800	32
4,4'-DDT	16,800	12
DIELDRIN	358	100

B14/15-SW-01		
Parameter	TRG-R	Result
4,4'-DDE	16,800	6.3
4,4'-DDT	16,800	2.4
ALPHA-CHLORDANE	NA	2.4
DIELDRIN	358	35
GAMMA-CHLORDANE	NA	8.6
HEPTACHLOR EPOXIDE	629	6.3

Note: Exceedances of TRG-Rs are Shaded
TRG-Rs are Target Remediation Goals for Restricted Use

*All Sample Results in ug/kg

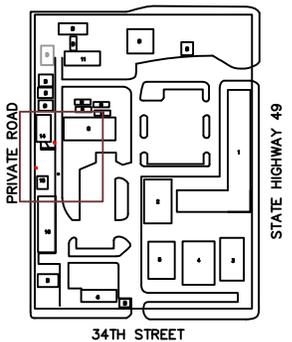
FIGURE 13

Northeast Corner Area
Post Excavation Soil
Sample Location Tag Map



LEGEND

- BUILDING
- - - FENCE/PROPERTY BOUNDARY
- ⊕ MONITORING WELL
- ⊖ UTILITY POLE
- ▨ Excavation Extents
- Excavation Sidewall Sample Location
- ⊗ Excavation Floor Sample Location



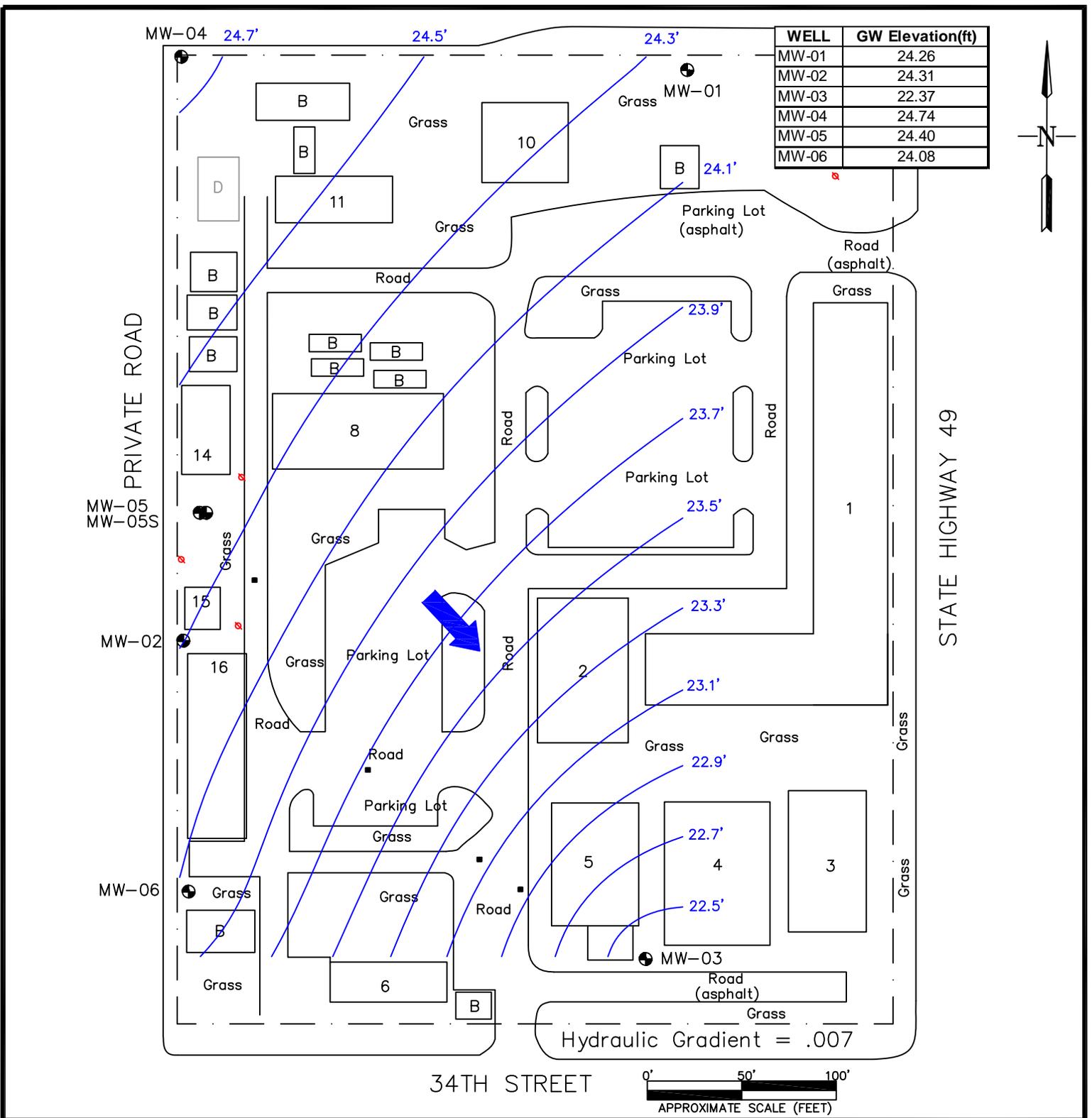


FIGURE 15

Groundwater Elevation Contour Map



LEGEND

- BUILDING
- - - FENCE/PROPERTY BOUNDARY
- ⊕ MONITORING WELL
- 22.7' GROUNDWATER ELEVATION (famsl)
- GROUNDWATER ELEVATION CONTOUR
- ➡ INFERRED GROUNDWATER FLOW DIRECTION



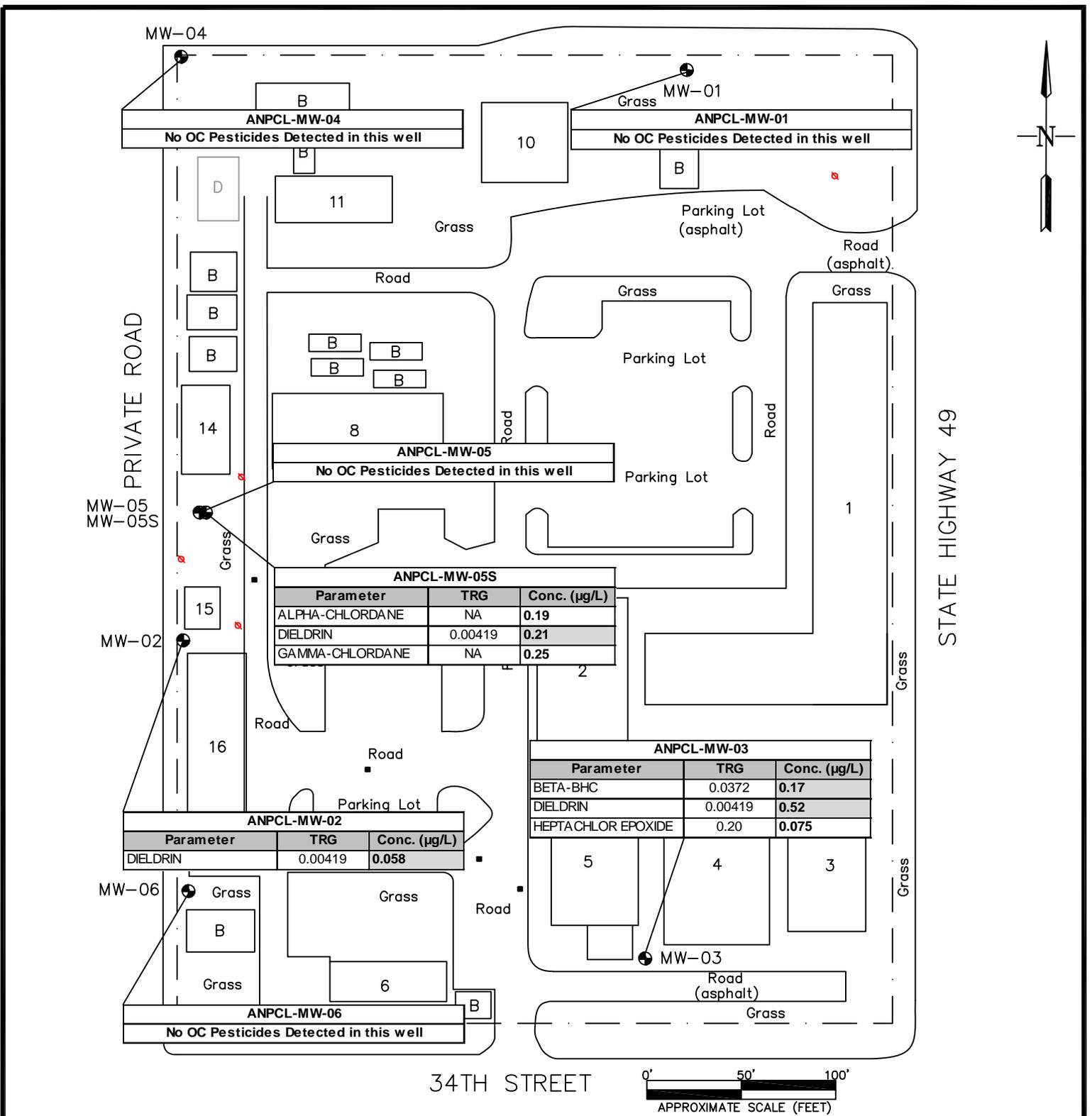


FIGURE 16

Detected OC Pesticides
in Groundwater Tag Map



LEGEND

- BUILDING
- - - FENCE/PROPERTY BOUNDARY
- ⊕ MONITORING WELL
- ⬮ UTILITY POLE
- STORM DRAIN
- B BUILDING - NO NUMBER
- D DEMOLISHED BUILDING



APPENDIX A

Select Site Photographs

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Photograph 01: Subsurface utility survey by Buildings 14 and 8. Note the yellow (gas line) and red (electric line) paint marking on the ground.



Photograph 02: Marking excavation extents in the Building 14/15 area.



Photograph 03: Repair of the overhead electric line in the Building 14/15 area to provide overhead clearance for excavating equipment.



Photograph 04: Decontamination station within the Building 14/15 area contamination reduction zone.



Photograph 05: Silt fence and dust screen on western property boundary fence. White paint lines identifying excavation extents.



Photograph 06: Storm water inlet guard installed on the storm water inlet in the access road by the Building 14/15 area.



Photograph 07: Excavating soil in the Northeast Corner area with track mounted excavator. Note fence mounted dust screens in background.



Photograph 08: Hand digging around subsurface utilities in the Northeast Corner Area.



Photograph 09: Loading excavated soil onto a dump truck for transport to the WMPGSL for disposal in the Northeast Corner area.



Photograph 10: Open excavation in Northeast Corner area with exposed subsurface electric lines.



Photograph 11: Preparation for concrete cover construction (vegetation removal) near Building 16.



Photograph 12: Excavation across the roadway from Building 16 with exposed subsurface electric lines.



Photograph 13: Excavation in the Building 14/15 area by the western property boundary security fence. Monitoring wells MW-05 and MW-05S depicted on the left side of the frame.



Photograph 14: Excavation in the Building 14/15 area. Monitoring wells MW-05 and MW-05S in the foreground..



Photograph 15: Excavation adjacent to Building 15. Areas with confined access that were close to subsurface utilities were dug by hand. White PVC water line is visible next to Building 15.



Photograph 16: Excavation within the Building 14/15 area. Note soil stockpile on left of photo and subsurface sewer line on the right.



Photograph 17: Excavation between Building 15 and western property boundary perimeter fence. Total excavation depth in this area was 18 inches and was limited by site infrastructure.



Photograph 18: Excavation adjacent to Building 14, north of the area between Buildings 14 and 15.



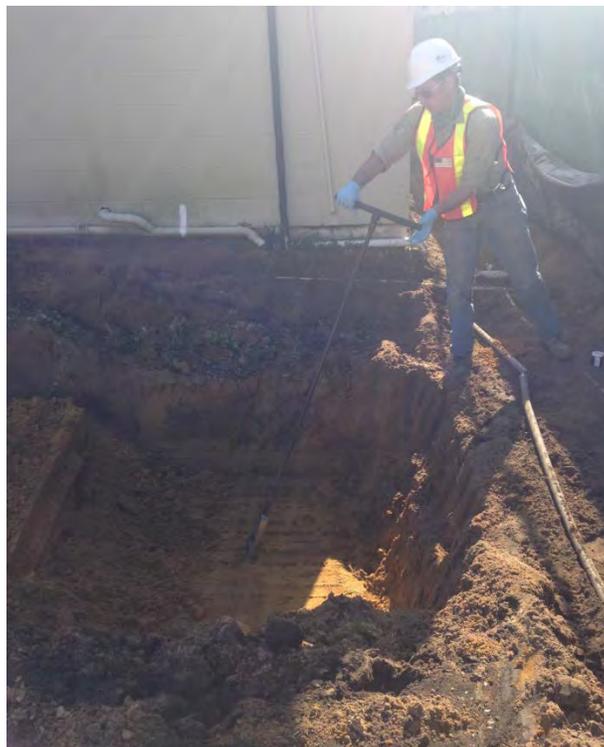
Photograph 19: Collection of post excavation soil sample B14/15-SW-02, adjacent to Building 14.



Photograph 20: Loading excavated soil onto a dump truck for transport to the WMPGSL for disposal near the Building 14/15 area.



Photograph 21: Excavated soil stockpile by Building 16.



Photograph 22: Post excavation sample collection (B14/15-FL-05) in the Building 14/15 area adjacent to Building 15, the deepest area of the excavation (5 feet).



Photograph 23: Hand digging to avoid subsurface utilities east of Building 15.



Photograph 24: Truck delivers clean fill.



Photograph 25: Using excavator to grade clean fill within the Northeast Corner area.



Photograph 26: Grading clean fill to original elevation by Building 15.



Photograph 27: Backfill being placed in the Building 14/15 excavation area. The work station located within the Building 14/15 area Support Zone is in the foreground.



Photograph 28: Preparation for concrete cover construction (vegetation removal) north of Building 16. Monitoring well MW-02 in the foreground.



Photograph 29: Preparation for concrete cover construction (vegetation removal) in Monitoring Well MW-03 area.



Photograph 30: Final grading between Buildings 14 and 15 in preparation for concrete cover construction.



Photograph 31: Pouring concrete in the Building 14/15 area.



Photograph 32: Leveling concrete in the Building 14/15 area.



Photograph 33: Concrete trucks pouring concrete in Northeast Corner area.



Photograph 34: Final concrete finish between Buildings 14 and 15. MW-05 and MW-05s are visible above the concrete surface.



Photograph 35: Concrete cover between Building 15 and western property boundary perimeter fence.



Photograph 36: Concrete cover by Buildings 14 and 8 facing south. Building 15 is located in the background.



Photograph 37: Concrete cover in the monitoring well MW-03 area along the southern property boundary.



Photograph 38: Concrete cover around monitoring well MW-03.



Photograph 39: Concrete cover over in the Northeast Corner area.



Photograph 40: Concrete cover by the facility entrance gate on the eastern property boundary. The concrete cover was poured flush with the existing structure.

APPENDIX B

Non-Hazardous Waste Profile and Manifests for Excavated Soils

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Waste Management Profile

Requested Facility: PECAN GROVE SANITARY LANDFILL Unsure Profile Number: 401877MS
 Check if there are multiple generator locations. Attach locations. Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: USDA Animal and Plant Health Inspection Service
- Site Address: 3505 25th Ave.
(City, State, ZIP) Gulfport, MS 39501
- County: Harrison County
- Contact Name: Daniel Z. Weissman
- Email: Daniel.Z.Weissman@aphis.usda.gov
- Phone: 301-436-3114 7. Fax: 301-734-7828
- Generator EPA ID: MS9123430598 N/A
- State ID: _____ N/A

C. MATERIAL INFORMATION

- Common Name: Non-Hazardous Soil Impacted by Organochlorine Pesticides
Describe Process Generating Material: See Attached

Source is unknown.

- Material Composition and Contaminants: See Attached

1. Soil	100%
2.	
3.	
4.	
≥100%	
- State Waste Codes: _____ N/A
- Color: Light Brown to Orange Brown
- Physical State at 70°F: Solid Liquid Other: _____
- Free Liquid Range Percentage: _____ to _____ N/A (Solid)
- pH: _____ to _____ N/A (Solid)
- Strong Odor: Yes No Describe: _____
- Flash Point: <140°F 140°–199°F ≥200° N/A (Solid)

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached Yes
Please identify applicable samples and/or lab reports:

9 pages. Excerpt from lab report containing TCLP results for OC pesticides on two composite samples.
--
- Other information attached (such as MSDS)? Yes

B. BILLING INFORMATION

SAME AS GENERATOR

- Billing Name: BMT Designers and Planners, Inc.
- Billing Address: 2120 Washington Blvd., Suite 200
(City, State, ZIP) Arlington, VA 22204
- Contact Name: Patrick Phillips or David Schanzle
- Email: pPhillips@dandp.com, dschanzle@dandp.com
- Phone: 703-920-7070 6. Fax: 703-920-7177
- WM Hauled? Yes No
- P.O. Number: _____

D. REGULATORY INFORMATION

- EPA Hazardous Waste? Yes* No
Code: _____
- State Hazardous Waste? Yes No
Code: _____
- Excluded waste under 40 CFR 261.4 (a) or (b)? Yes* No
- Contains Underlying Hazardous Constituents? Yes* No
- Contains benzene **and** subject to Benzene NESHAP? Yes* No
- Facility remediation subject to 40 CFR 63 GGGGG? Yes* No
- CERCLA or State-mandated clean-up? Yes* No
- NRC or State-regulated radioactive or NORM waste? Yes* No
***If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. Yes No
 a. Regulated by 40 CFR 761? Yes No
 b. Remediation under 40 CFR 761.61 (a)? Yes No
 c. Were PCB imported into the US? Yes No
- Regulated and/or Untreated Medical/Infectious Waste? Yes No
- Contains Asbestos? Yes: Friable Yes: Non-Friable No

F. SHIPPING AND DOT INFORMATION

- One-Time Event Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 400 / Tons
 Tons Yards Drums Gallons Other: _____
- Container Type and Size: 20-25 yard end-dump
- USDOT Proper Shipping Name: _____ N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): Daniel Weissman Date: 3/10/14

Title: Environmental Protection Program Manager

Company: USDA APHIS

Certification Signature



Generator Organization Contact Information:

Mr. Daniel Weissman, PE
Environmental Program Manager
U.S. Department of Agriculture, Animal and Plant Health Inspection Service
MRPBS-EMSSD-SHEPB
4700 River Road, Unit 124
Riverdale, MD 20737
Daniel.Z.Weissman@aphis.usda.gov
Phone: 301-436-3114
Cell: 301-537-1774
Fax: 301-734-7828



Non-Hazardous WAM Approval

Requested Management Facility: **Pecan Grove Landfill**

Profile Number: **401877MS** Waste Approval Expiration Date: **04/30/2016**

APPROVAL DETAILS

Approval Decision: Approved Not Approved Profile Renewal: Yes No

Management Method: **Direct Landfill**

Generator Name: **USDA ANIMAL AND PLANT HEALTH INSPECTION SERVICE**

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- Shall not contain free liquid
- Waste Manifest or applicable shipping document must accompany load

Additional Conditions:

WM Authorization Name: **Paul Bouchereau** Title: **Waste Approval Manager**

WM Authorization Signature: *Paul Bouchereau* Date: **04/14/2014**

Agency Authorization (if Required): _____ Date: _____

Waste Characterization Sample Results Summary

Parameter	COMPOSITE1	COMPOSITE2
4,4'-DDD	0.0012 U-D	0.00024 U
4,4'-DDE	0.0012 U-D	0.00025 U
4,4'-DDT	0.0010 U-D	0.00021 U
ALDRIN	0.0012 U-D	0.00024 U
ALPHA-BHC	0.0010 U-D	0.00021 U
ALPHA-CHLORDANE	0.0013 U-D	0.00025 U
BETA-BHC	0.0012 U-D	0.00024 U
DELTA-BHC	0.0012 U-D	0.00024 U
DIELDRIN	0.0120 -D	0.00350
ENDOSULFAN I	0.0015 U-D	0.00030 U
ENDOSULFAN II	0.0016 U-D	0.00031 U
ENDOSULFAN SULFATE	0.0014 U-D	0.00027 U
ENDRIN	0.0011 U-D	0.00023 U
ENDRIN ALDEHYDE	0.0012 U-D	0.00025 U
ENDRIN KETONE	0.0011 U-D	0.00023 U
GAMMA-BHC (LINDANE)	0.0011 U-D	0.00021 U
GAMMA-CHLORDANE	0.0011 U-D	0.00022 U
HEPTACHLOR	0.0012 U-D	0.00024 U
HEPTACHLOR EPOXIDE	0.0012 U-D	0.00023 U
METHOXYCHLOR	0.0120 U-D	0.00250 U
TOXAPHENE	0.1200 U-D	0.02500 U

Note: All results reported in mg/L

U – not detected

D – result detected in sample with laboratory dilution

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1101113

Client Name: BMT Designers and Planners, Inc.

Client Project Name: Gulfport Supp. Site Char.

Client Project Number: 3101-001

Client PO Number: 11-0012

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
ANPCL-COMPOSITE1	1101113-91		LEACHAT	11-Jan-11	15:00
ANPCL-COMPOSITE2	1101113-92		LEACHAT	11-Jan-11	15:05



ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the data indicate the presence of a compound that meets the identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is outside the control criteria.
- +:** This flag indicates that the relative percent difference (RPD) exceeds the control criteria.



Analytical Results

Organochlorine Pesticides

Method SW8081A--Leachate

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Lab ID: EX110117-2MB

Sample Matrix: LEACHATE

Prep Batch: EX110118-8

Sample Aliquot: 100 ml

% Moisture: N/A

QCBatchID: EX110118-8-1

Final Volume: 10 ml

Date Collected: N/A

Run ID: PT110121-4

Result Units: mg/l

LEACH DATE: 1/17/2011

Date Extracted: 18-Jan-11

Cleanup: NONE

Clean DF: 1

Date Analyzed: 21-Jan-11

Basis: N/A

File Name: 07472.dat

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
319-84-6	ALPHA-BHC	1	0.0005	0.0005	0.00021	U	
58-89-9	GAMMA-BHC (LINDANE)	1	0.0005	0.0005	0.00021	U	
76-44-8	HEPTACHLOR	1	0.0005	0.0005	0.00024	U	
309-00-2	ALDRIN	1	0.0005	0.0005	0.00024	U	
319-85-7	BETA-BHC	1	0.0005	0.0005	0.00024	U	
319-86-8	DELTA-BHC	1	0.0005	0.0005	0.00024	U	
1024-57-3	HEPTACHLOR EPOXIDE	1	0.0005	0.0005	0.00023	U	
959-98-8	ENDOSULFAN I	1	0.0005	0.0005	0.0003	U	
5103-74-2	GAMMA-CHLORDANE	1	0.0005	0.0005	0.00022	U	
5103-71-9	ALPHA-CHLORDANE	1	0.0005	0.0005	0.00025	U	
72-55-9	4,4'-DDE	1	0.0005	0.0005	0.00025	U	
60-57-1	DIELDRIN	1	0.0005	0.0005	0.00024	U	
72-20-8	ENDRIN	1	0.0005	0.0005	0.00023	U	
72-54-8	4,4'-DDD	1	0.0005	0.0005	0.00024	U	
33213-65-9	ENDOSULFAN II	1	0.0005	0.0005	0.00031	U	
50-29-3	4,4'-DDT	1	0.0005	0.0005	0.00021	U	
7421-93-4	ENDRIN ALDEHYDE	1	0.0005	0.0005	0.00025	U	
72-43-5	METHOXYCHLOR	1	0.0025	0.0025	0.0025	U	
1031-07-8	ENDOSULFAN SULFATE	1	0.0005	0.0005	0.00027	U	
53494-70-5	ENDRIN KETONE	1	0.0005	0.0005	0.00023	U	
8001-35-2	TOXAPHENE	1	0.025	0.025	0.025	U	

Data Package ID: PT1101113-1

Date Printed: Wednesday, January 26, 2011

ALS Environmental -- FC

Page 1 of 2

LIMS Version: 6.447A

Organochlorine Pesticides

Method SW8081A--Leachate

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Lab ID: EX110117-2MB

Sample Matrix: LEACHATE

Prep Batch: EX110118-8

Sample Aliquot: 100 ml

% Moisture: N/A

QC Batch ID: EX110118-8-1

Final Volume: 10 ml

Date Collected: N/A

Run ID: PT110121-4

Result Units: mg/l

LEACH DATE: 1/17/2011

Date Extracted: 18-Jan-11

Cleanup: NONE

Clean DF: 1

Date Analyzed: 21-Jan-11

Basis: N/A

File Name: 07472.dat

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
-------	----------------	----	--------	-----------------	-----	------------------	---------------

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	0.005		0.005	100	9 - 132
877-09-8	TETRACHLORO-M-XYLENE	0.00516		0.005	103	57 - 128

Data Package ID: PT1101113-1

Date Printed: Wednesday, January 26, 2011

ALS Environmental -- FC

Page 2 of 2

LIMS Version: 6.447A

Organochlorine Pesticides

Method SW8081A--TCLP Leachate

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Field ID: ANPCL-COMPOSITE2

Lab ID: 1101113-92

LEACH DATE: 1/17/2011

Sample Matrix: LEACHATE

% Moisture: N/A

Date Collected: 11-Jan-11

Date Extracted: 18-Jan-11

Date Analyzed: 21-Jan-11

Prep Method: SW3520 Rev C

Prep Batch: EX110118-8

QCBatchID: EX110118-8-1

Run ID: PT110121-4

Cleanup: NONE

Basis: As Received

File Name: 07477.dat

Sample Aliquot: 100 ml

Final Volume: 10 ml

Result Units: mg/l

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
319-84-6	ALPHA-BHC	1	0.0005	0.0005	0.00021	U	
58-89-9	GAMMA-BHC (LINDANE)	1	0.0005	0.0005	0.00021	U	
76-44-8	HEPTACHLOR	1	0.0005	0.0005	0.00024	U	
309-00-2	ALDRIN	1	0.0005	0.0005	0.00024	U	
319-85-7	BETA-BHC	1	0.0005	0.0005	0.00024	U	
319-86-8	DELTA-BHC	1	0.0005	0.0005	0.00024	U	
1024-57-3	HEPTACHLOR EPOXIDE	1	0.0005	0.0005	0.00023	U	
959-98-8	ENDOSULFAN I	1	0.0005	0.0005	0.0003	U	
5103-74-2	GAMMA-CHLORDANE	1	0.0005	0.0005	0.00022	U	
5103-71-9	ALPHA-CHLORDANE	1	0.0005	0.0005	0.00025	U	
72-55-9	4,4'-DDE	1	0.0005	0.0005	0.00025	U	
60-57-1	DIELDRIN	1	0.0035	0.0005	0.00024		
72-20-8	ENDRIN	1	0.0005	0.0005	0.00023	U	
72-54-8	4,4'-DDD	1	0.0005	0.0005	0.00024	U	
33213-65-9	ENDOSULFAN II	1	0.0005	0.0005	0.00031	U	
50-29-3	4,4'-DDT	1	0.0005	0.0005	0.00021	U	
7421-93-4	ENDRIN ALDEHYDE	1	0.0005	0.0005	0.00025	U	
72-43-5	METHOXYCHLOR	1	0.0025	0.0025	0.0025	U	
1031-07-8	ENDOSULFAN SULFATE	1	0.0005	0.0005	0.00027	U	
53494-70-5	ENDRIN KETONE	1	0.0005	0.0005	0.00023	U	
8001-35-2	TOXAPHENE	1	0.025	0.025	0.025	U	

Data Package ID: PT1101113-1

Date Printed: Wednesday, January 26, 2011

ALS Environmental -- FC

Page 3 of 4

LIMS Version: 6.447A

Organochlorine Pesticides

Method SW8081A--TCLP Leachate

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Field ID:	ANPCL-COMPOSITE2
Lab ID:	1101113-92

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 11-Jan-11
Date Extracted: 18-Jan-11
Date Analyzed: 21-Jan-11
Prep Method: SW3520 Rev C

Prep Batch: EX110118-8
QCBatchID: EX110118-8-1
Run ID: PT110121-4
Cleanup: NONE
Basis: As Received
File Name: 07477.dat

Sample Aliquot: 100 ml
Final Volume: 10 ml
Result Units: mg/l
Clean DF: 1

LEACH DATE: 1/17/2011

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
-------	----------------	-----------------	--------	-----------------	-----	------------------	---------------

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	0.00545		0.005	109	9 - 132
877-09-8	TETRACHLORO-M-XYLENE	0.00543		0.005	109	57 - 128

Data Package ID: PT1101113-1

Organochlorine Pesticides

Method SW8081A--TCLP Leachate

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Field ID: ANPCL-COMPOSITE1

Lab ID: 1101113-91

LEACH DATE: 1/17/2011

Sample Matrix: LEACHATE

% Moisture: N/A

Date Collected: 11-Jan-11

Date Extracted: 18-Jan-11

Date Analyzed: 24-Jan-11

Prep Method: SW3520 Rev C

Prep Batch: EX110118-8

QC Batch ID: EX110118-8-1

Run ID: PT110124-4

Cleanup: NONE

Basis: As Received

File Name: 07501.dat

Sample Aliquot: 100 ml

Final Volume: 10 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
319-84-6	ALPHA-BHC	5	0.0025	0.0025	0.001	U	
58-89-9	GAMMA-BHC (LINDANE)	5	0.0025	0.0025	0.0011	U	
76-44-8	HEPTACHLOR	5	0.0025	0.0025	0.0012	U	
309-00-2	ALDRIN	5	0.0025	0.0025	0.0012	U	
319-85-7	BETA-BHC	5	0.0025	0.0025	0.0012	U	
319-86-8	DELTA-BHC	5	0.0025	0.0025	0.0012	U	
1024-57-3	HEPTACHLOR EPOXIDE	5	0.0025	0.0025	0.0012	U	
959-98-8	ENDOSULFAN I	5	0.0025	0.0025	0.0015	U	
5103-74-2	GAMMA-CHLORDANE	5	0.0025	0.0025	0.0011	U	
5103-71-9	ALPHA-CHLORDANE	5	0.0025	0.0025	0.0013	U	
72-55-9	4,4'-DDE	5	0.0025	0.0025	0.0012	U	
60-57-1	DIELDRIN	5	0.012	0.0025	0.0012		
72-20-8	ENDRIN	5	0.0025	0.0025	0.0011	U	
72-54-8	4,4'-DDD	5	0.0025	0.0025	0.0012	U	
33213-65-9	ENDOSULFAN II	5	0.0025	0.0025	0.0016	U	
50-29-3	4,4'-DDT	5	0.0025	0.0025	0.001	U	
7421-93-4	ENDRIN ALDEHYDE	5	0.0025	0.0025	0.0012	U	
72-43-5	METHOXYCHLOR	5	0.012	0.012	0.012	U	
1031-07-8	ENDOSULFAN SULFATE	5	0.0025	0.0025	0.0014	U	
53494-70-5	ENDRIN KETONE	5	0.0025	0.0025	0.0011	U	
8001-35-2	TOXAPHENE	5	0.12	0.12	0.12	U	

Data Package ID: PT1101113-1

Date Printed: Friday, January 28, 2011

ALS Environmental -- FC

Page 1 of 4

LIMS Version: 6.448A

Organochlorine Pesticides

Method SW8081A--TCLP Leachate

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1101113

Client Name: BMT Designers and Planners, Inc.

ClientProject ID: Gulfport Supp. Site Char. 3101-001

Field ID: ANPCL-COMPOSITE1
Lab ID: 1101113-91

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 11-Jan-11
Date Extracted: 18-Jan-11
Date Analyzed: 24-Jan-11
Prep Method: SW3520 Rev C

Prep Batch: EX110118-8
QCBatchID: EX110118-8-1
Run ID: PT110124-4
Cleanup: NONE
Basis: As Received
File Name: 07501.dat

Sample Aliquot: 100 ml
Final Volume: 10 ml
Result Units: mg/l
Clean DF: 1

LEACH DATE: 1/17/2011

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
-------	----------------	-----------------	--------	-----------------	-----	------------------	---------------

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
2051-24-3	DECACHLOROBIPHENYL	0.00465		0.005	93	9 - 132
877-09-8	TETRACHLORO-M-XYLENE	0.00546		0.005	109	57 - 128

Data Package ID: PT1101113-1

Please print or type.

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20003599			
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 39601		Generator's Site Address (If different than mailing address) <i>MAILING ADDRESS: USDA APHIS 4760 RIVER ROAD, UNIT 124 RIVERDALE, MD 20737</i>				
Generator's Phone: (301)438-3114		6. Transporter 1 Company Name <i>Dirt, Inc. 7</i>		U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LP 9085 FIRETOWER RD PASS CHRISTIAN MS 39671		Facility's Phone: (228)255-5553		U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1.	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offoror's Printed/Typed Name <i>Dan Weissman</i>				Signature <i>Dan Weissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name <i>K. E. Quinn</i>				Signature <i>[Signature]</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>B. C. [Signature]</i>				Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CRM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (301)424-9300	4. WM - 20005500						
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 38501			Generator's Site Address (if different than mailing address) MAILING ADDRESS: USDA AMHS 4700 RIVER RD, UNIT 124 RIVERDALE, MO, 20737								
Generator's Phone: (301)438-3114											
6. Transporter 1 Company Name <i>Dirt, Inc. 55</i>			U.S. EPA ID Number								
7. Transporter 2 Company Name			U.S. EPA ID Number								
8. Designated Facility Name and Site Address PECAN GROVE LF 9885 FIRETOWER RD PASS CHRISTIAN MS 38571			U.S. EPA ID Number								
Facility's Phone: (228)255-5553											
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.					
		No.	Type								
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS										
2.											
3.											
4.											
14. Special Handling Instructions and Additional Information											
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.											
Generator's/Offoror's Printed/Typed Name <i>Daniel Weissman</i>							Signature <i>Dan Weissman</i>		Month 12	Day 2	Year 14
Transporter Acknowledgement of Receipt of Materials											
16. Transporter 1 Printed/Typed Name <i>ROBERT MONROE</i>							Signature <i>Robert Monroe</i>		Month 12	Day 2	Year 14
17. Transporter 2 Printed/Typed Name							Signature		Month	Day	Year
18. Discrepancy Comments											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number:											
19. Management Method Codes											
1.	2.	3.	4.								
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name <i>Colleen 1136824</i>							Signature <i>Colleen</i>		Month 12	Day 2	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20005501				
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 38501		Generator's Site Address (If different than mailing address) <i>Mailing Address: USDA APHIS 4700 RIVER RD UNIT 124 RIVERDALE, MD 20737</i>							
Generator's Phone: (301)438-3114		6. Transporter 1 Company Name <i>Dirt, Inc.</i>			U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number			U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LP 8685 FIRE TOWER RD PASS CHRISTIAN MS 38571		Facility's Phone: (228)255-5553					U.S. EPA ID Number		
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.			
	1. NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS	No.	Type						
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information									
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.									
Generator's/Offor's Printed/Typed Name <i>Dan Weissman</i>					Signature <i>Dan Weissman</i>		Month Day Year <i>12 2 14</i>		
16. Transporter 1 Printed/Typed Name <i>GUY COBERN</i>									
Signature <i>Guy Cobern</i>					Month Day Year				
17. Transporter 2 Printed/Typed Name									
Signature					Month Day Year				
18. Discrepancy Comments									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number:									
19. Management Method Codes									
1.	2.	3.	4.						
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <i>D. A. Wood</i>					Signature <i>[Signature]</i>		Month Day Year <i>1/22/14</i>		

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20003596			
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3005 25TH AVENUE GULFPORT MISSISSIPPI 39501				Generator's Site Address (If different than mailing address) MAILING ADDRESS: USDA APHIS 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737				
Generator's Phone: (301)436-3114								
6. Transporter 1 Company Name DIET, INC.				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LF 9685 FIRETOWER RD PASS CHRISTIAN MS 39571				U.S. EPA ID Number				
Facility's Phone: (228)255-0553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offeror's Printed/Typed Name <i>Dan Weissman</i>				Signature <i>Dan Weissman</i>		Month 12	Day 2	Year 14
16. Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name <i>DIET INC</i>				Signature <i>Dan Weissman</i>		Month 12	Day 2	Year 14
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
19. Management Method Codes Manifest Reference Number:								
1. Management Method Codes		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>G. Caldwell</i>				Signature <i>G. Caldwell</i>		Month 12	Day 2	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CVA

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. WM - 20003598		
				1	(800)424-8300		
5. Generator's Name and Mailing Address		Generator's Site Address (If different than mailing address)					
USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 39501		MAILING ADDRESS: USDA APHIS 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737					
Generator's Phone: (301)438-3114							
6. Transporter 1 Company Name		Dirt, Inc JJ				U.S. EPA ID Number	
7. Transporter 2 Company Name						U.S. EPA ID Number	
8. Designated Facility Name and Site Address		PECAN GROVE LF 8885 FIRETOWER RD PASS CHRISTIAN MS 39571				U.S. EPA ID Number	
Facility's Phone: (228)268-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offor's Printed/Typed Name		Signature			Month	Day	Year
Dan Weissman		Dan Weissman			12	2	14
Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name		Signature			Month	Day	Year
Chad Hall		Chad Hall			12	2	14
17. Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
18. Discrepancy Comments							
18a. Discrepancy Indication Space							
		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection	
Manifest Reference Number:							
19. Management Method Codes							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature			Month	Day	Year
G. C. [Signature] 1136805		[Signature]			12	2	14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CMS

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20003595			
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) MAILING ADDRESS: 4700 RIVER RD UNIT 124 RIVERDALE, MD 20737				
Generator's Phone: (301)438-3114		6. Transporter 1 Company Name DIRT, INC.			U.S. EPA ID Number			
7. Transporter 2 Company Name		U.S. EPA ID Number			U.S. EPA ID Number			
8. Designated Facility Name and Site Address PELAN GROVE LP 8605 FIRETOWER RD PASS CHRISTIAN MS 39571		Facility's Phone: (228)265-5553			U.S. EPA ID Number			
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
			No.	Type				
		1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
		2.						
		3.						
	4.							
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offoror's Printed/Typed Name Dan Weissman					Signature <i>[Signature]</i>		Month Day Year 12 2 14	
TRANSPORTER	Transporter Acknowledgement of Receipt of Materials							
	16. Transporter 1 Printed/Typed Name GUY SOBORN					Signature <i>[Signature]</i>		Month Day Year
	17. Transporter 2 Printed/Typed Name					Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy Comments							
	18a. Discrepancy Indication Space							
	<input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
19. Management Method Codes								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name G. Colwell 1136779					Signature <i>[Signature]</i>		Month Day Year 12 2 14	

Please print or type.

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number 1	2. Page 1 of	3. Emergency Response Phone (800)424-0300	4. WM - 20005518	
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address) USDA APHIS MAILING ADDRESS: 4700 RIVER RD, UNIT 114 RIVERDALE MA 20737			
Generator's Phone: (601)436-3114			6. Transporter 1 Company Name 22		U.S. EPA ID Number	
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address PECAN GROVE LF 6585 FIRETOWER RD PASS CHRISTIAN MS 39571			U.S. EPA ID Number			
Facility's Phone: (228)255-5553						
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.
		No.	Type			
	1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS					
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information						
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.						
Generator's/Offeror's Printed/Typed Name Dan Weissman				Signature <i>Dan Weissman</i>		Month Day Year 12 2 14
TRANSPORTER						
Transporter Acknowledgement of Receipt of Materials						
16. Transporter 1 Printed/Typed Name Chad Hall				Signature <i>Chad Hall</i>		Month Day Year
17. Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY						
18. Discrepancy Comments						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
19. Management Method Codes						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name G. C. Wells				Signature <i>G. C. Wells</i>		Month Day Year 12 3 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY



NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No. _____ Manifest Document No. _____		2. Page 1 of _____	
3. Generator's Name and Mailing Address <i>USDA APHIS 3505 26th Ave Gulfport, MS 39501</i>		MAILING ADDRESS: <i>USDA APHIS 4700 RIVER RD, UN. 7124 RIVERDALE, MS 39377</i>		A. Manifest Number WMNA 19574	
4. Generator's Phone _____		6. US EPA ID Number _____		B. State Generator's ID _____	
5. Transporter 1 Company Name <i>Dirt, Inc.</i>		7. Transporter 2 Company Name _____		C. State Transporter's ID _____	
9. Designated Facility Name and Site Address _____		8. US EPA ID Number _____		D. Transporter's Phone _____	
		10. US EPA ID Number _____		E. State Transporter's ID _____	
				F. Transporter's Phone _____	
				G. State Facility's ID _____	
				H. Facility's Phone _____	
11. Description of Waste Materials <i>NON-HAZ SOIL IMPACTED BY OC PESTICIDES - 401877MS</i>		12. Containers	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. _____		No. _____	Type _____	_____	_____
b. _____		_____	_____	_____	_____
c. _____		_____	_____	_____	_____
d. _____		_____	_____	_____	_____
J. Additional Descriptions for Materials Listed Above Landfill _____ Solidification _____ Bio Remediation _____		K. Disposal Location Coll _____ Level _____ Grid _____			
15. Special Handling Instructions and Additional Information Purchase Order # _____ EMERGENCY CONTACT: _____					
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.					
Printed/Typed Name <i>Kenneth R Peterman</i>		Signature "On behalf of" <i>Kenneth R Peterman</i>		Month Day Year <i>1 15 14</i>	
TRANSPORTER					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name _____		Signature _____		Month Day Year 	
FACILITY					
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					
Printed/Typed Name <i>Michael</i>		Signature <i>[Signature]</i>		Month Day Year <i>1 15 14</i>	



NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of			
3. Generator's Name and Mailing Address <i>USDA APHIS 3505 25TH AVE GULFBURT MS 39501</i>				MAILING ADDRESS: <i>USDA APHIS 4700 RIVER RD. UNIT 124 RIVERDALE, MD 20737</i>				A. Manifest Number WMNA 19573	
4. Generator's Phone				6. US EPA ID Number				B. State Generator's ID	
5. Transporter 1 Company Name <i>Dirt, Inc.</i>				7. Transporter 2 Company Name				C. State Transporter's ID	
9. Designated Facility Name and Site Address				10. US EPA ID Number				D. Transporter's Phone	
								E. State Transporter's ID	
								F. Transporter's Phone	
								G. State Facility's ID	
								H. Facility's Phone	
11. Description of Waste Materials <i>Non-Haz Soil Impacted by OC Pesticides - 401877 MS</i>						12. Containers	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #						No.	Type		
b. WM Profile #									
c. WM Profile #									
d. WM Profile #									
J. Additional Descriptions for Materials Listed Above Landfill _____ Solidification _____ Bio Remediation _____						K. Disposal Location Coll _____ Level _____ Grid _____			
15. Special Handling Instructions and Additional Information Purchase Order # _____ EMERGENCY CONTACT: _____									
16. GENERATOR'S CERTIFICATION: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.									
Printed/Typed Name <i>Kenneth R Peterson</i>				Signature "On behalf of" <i>Kenneth R Peterson</i>				Month Day Year <i>12 15 14</i>	
TRANSPORTER									
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name <i>Matthew Fexters</i>				Signature <i>Matthew Fexters</i>				Month Day Year 	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year 	
FACILITY									
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.									
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.									
Printed/Typed Name <i>D. Carlock</i>				Signature <i>[Signature]</i>				Month Day Year <i>12 15 14</i>	

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005513		
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) MAILING ADD: USDA APHIS 4700 RIVER RD. UNIT 124 RIVERDALE, MS 39277					
Generator's Phone: (301)438-3114		6. Transporter 1 Company Name Dirt, Inc.			U.S. EPA ID Number		
7. Transporter 2 Company Name					U.S. EPA ID Number		
8. Designated Facility Name and Site Address PECAN GROVE LF 3685 FIRE TOWER RD PASS CHRISTIAN MS 39571		U.S. EPA ID Number					
Facility's Phone: (228)255-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offoror's Printed/Typed Name Don Weissman		Signature <i>Don Weissman</i>			Month 12	Day 2	Year 14
16. Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name Brad Hall		Signature <i>Brad Hall</i>			Month	Day	Year
17. Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
19. Management Method Codes Manifest Reference Number:							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name D. Caldwell		Signature <i>D. Caldwell</i>			Month 12	Day 5	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20005512		
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 39601		Generator's Site Address (If different than mailing address) <i>MAILING ADDR: USDA ADHS</i> 5700 RICE RD, UNIT 7 124 RIVERDALE MS, 39737			
Generator's Phone: (301)438-3114		6. Transporter 1 Company Name <i>Dirt, Inc.</i>		U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address PECAN GROVE LF 9885 FIRETOWER RD PASS CHRISTIAN MS 39571				U.S. EPA ID Number			
Facility's Phone: (228)255-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offeror's Printed/Typed Name <i>Don Weissman</i>		Signature <i>Don Weissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>	
Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>		Signature <i>Chad Hall</i>		Month	Day	Year	
17. Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
19. Management Method Codes Manifest Reference Number:							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <i>D. Carmon</i>		Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>5</i>	Year <i>14</i>	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20005510							
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address): <i>MANURE ADDRESS: USA APTIS 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737</i>									
Generator's Phone: (301)436-3114												
6. Transporter 1 Company Name <i>Dirt, Inc.</i>			U.S. EPA ID Number									
7. Transporter 2 Company Name			U.S. EPA ID Number									
8. Designated Facility Name and Site Address PECAN GROVE LP 9885 FIRETOWER RD PASS CHRISTIAN MS 39571			U.S. EPA ID Number									
Facility's Phone: (228)255-5553												
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.						
		No.	Type									
	1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401977MS											
	2											
	3											
	4											
14. Special Handling Instructions and Additional Information												
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.												
Generator's/Offoror's Printed/Typed Name <i>Dan Weissman</i>								Signature <i>Dan Weissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>												
Signature <i>Chad Hall</i>								Month	Day	Year		
17. Transporter 2 Printed/Typed Name												
Signature								Month	Day	Year		
18. Discrepancy Comments												
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection												
Manifest Reference Number:												
19. Management Method Codes												
1.	2.	3.	4.									
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name <i>G. Cowell 11/37/22</i>								Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>14</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

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CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number 1	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005508							
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3905 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address) USDA APHIS MAILING ADDRESS: 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737									
Generator's Phone: (301)436-3114												
6. Transporter 1 Company Name Dirt, Inc.			U.S. EPA ID Number									
7. Transporter 2 Company Name			U.S. EPA ID Number									
8. Designated Facility Name and Site Address PECAN GROVE LP 9685 FIRETOWER RD PASS CHRISTIAN MS 39571			U.S. EPA ID Number									
Facility's Phone: (228)255-6553												
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.						
		No.	Type									
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES #01877MS											
2.												
3.												
4.												
14. Special Handling Instructions and Additional Information												
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.												
Generator's/Offoror's Printed/Typed Name Dan Woissman								Signature <i>Dan Woissman</i>		Month 12	Day 2	Year 14
Transporter Acknowledgement of Receipt of Materials												
16. Transporter 1 Printed/Typed Name Chad Hall								Signature <i>Chad Hall</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name								Signature		Month	Day	Year
18. Discrepancy Comments												
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection												
Manifest Reference Number:												
19. Management Method Codes												
1.	2.	3.	4.									
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name Calwey/137078								Signature <i>Calwey</i>		Month 12	Day 4	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005507		
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) <i>USDA APPLIS MAILING ADDRESS: 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737</i>					
Generator's Phone: (301)436-3114							
6. Transporter 1 Company Name <i>Dirt, Inc.</i>		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address PECAN GROVE LP 9885 FIRETOWER RD PASS CHRISTIAN MS 39571		U.S. EPA ID Number					
Facility's Phone: (228)255-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
	1. NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offeror's Printed/Typed Name <i>Don Weissman</i>		Signature <i>Don Weissman</i>			Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name		Signature <i>Travis J. [unclear]</i>			Month	Day	Year
17. Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
19. Management Method Codes							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>			Month <i>12</i>	Day <i>4</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

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CWA

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone (800)424-9300	4. WM - 20005506			
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) <i>USDA ARTIS MAILING ADDRESS: 4700 RIVER RD, UNIT 124 RIVERDALE, MO 20737</i>				
Generator's Phone: (301)436-3114		6. Transporter 1 Company Name <i>Dirt, Inc.</i>		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address PECAN GROVE LF 0085 FIRE TOWER RD PASS CHRISTIAN MS 39571		U.S. EPA ID Number						
Facility's Phone: (228)255-5553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offoror's Printed/Typed Name <i>Dan Woissman</i>				Signature <i>Dan Woissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>19</i>
16. Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>				Signature <i>Chad Hall</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
19. Management Method Codes Manifest Reference Number:								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>G. Caldwell</i>				Signature <i>G. Caldwell</i>		Month <i>12</i>	Day <i>14</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

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CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number 1	2. Page 1 of	3. Emergency Response Phone (800)424-9300	4. WM - 20003597			
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address) USDA APHIS MAILING ADDRESS: 4700 RIVER ROAD, UNIT 124 RIVERDALE, MD 20737					
Generator's Phone: (301)436-3114								
6. Transporter 1 Company Name Divt, Inc.				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LP 9685 FIRETOWER RD PASS CHRISTIAN MS 39571				U.S. EPA ID Number				
Facility's Phone: (228)255-8583								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
	1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offeor's Printed/Typed Name Dan Weissman				Signature <i>Dan Weissman</i>		Month 12	Day 2	Year 14
Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name				Signature <i>Mark H...</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name G. C. Cole				Signature <i>G. C. Cole</i>		Month 12	Day 2	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-9300	4. WM - 20005504									
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3506 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address) <i>MAILING ADDRESS: USDA ADHS</i> <i>4700 RIVER RD, UNIT 124</i> <i>RIVERDALE MS 39237</i>											
Generator's Phone: (501)436-3114			U.S. EPA ID Number											
6. Transporter Company Name <i>Dirt, Inc.</i>			U.S. EPA ID Number											
7. Transporter 2 Company Name			U.S. EPA ID Number											
8. Designated Facility Name and Site Address PECAN GROVE LF 9885 FIRE TOWER RD PASS CHRISTIAN MS 39571			U.S. EPA ID Number											
Facility's Phone: (228)255-5553			U.S. EPA ID Number											
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.							
			No.	Type										
		1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS												
		2.												
		3.												
	4.													
14. Special Handling Instructions and Additional Information														
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.														
Generator's/Offoror's Printed/Typed Name <i>Don Weissman</i>						Signature <i>Don Weissman</i>		Month 12	Day 2	Year 14				
Transporter Acknowledgement of Receipt of Materials														
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>						Signature <i>Chad Hall</i>		Month	Day	Year				
17. Transporter 2 Printed/Typed Name						Signature		Month	Day	Year				
18. Discrepancy Comments														
18a. Discrepancy Indication Space														
<input type="checkbox"/> Quantity			<input type="checkbox"/> Type			<input type="checkbox"/> Residue			<input type="checkbox"/> Partial Rejection			<input type="checkbox"/> Full Rejection		
Manifest Reference Number:														
19. Management Method Codes														
1.			2.			3.			4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a														
Printed/Typed Name <i>G. Colwell</i>						Signature <i>G. Colwell</i>		Month 12	Day 19	Year 14				

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone (800)424-9300	4. WM - 20005502			
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 39501			Generator's Site Address (If different than mailing address) <i>MAILING ADDRESS: USDA APHIS 4700 RIVER RD, UNIT 124 RIVERDALE, MD</i>					
Generator's Phone: (301)436-3114								
6. Transporter 1 Company Name <i>DIKT, INC.</i>			U.S. EPA ID Number					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address PECAN GROVE LF 6685 FIRETOWER RD PASS CHRISTIAN MS 39571			U.S. EPA ID Number					
Facility's Phone: (228)255-5553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offoror's Printed/Typed Name <i>Don Weissman</i>				Signature <i>Don Weissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name				Signature <i>Matthew Flury</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>G. Sewell</i>				Signature <i>G. Sewell</i>		Month <i>12</i>	Day <i>4</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005509			
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) USDA APHIS MAILING ADDRESS - 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737				
Generator's Phone: (301)436-3114		6. Transporter 1 Company Name Dirt, Inc.			U.S. EPA ID Number			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address PECAN GROVE LP 9685 FIRETOWER RD PASS CHRISTIAN MS 39571					U.S. EPA ID Number			
Facility's Phone: (228)255-5553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offor's Printed/Typed Name Don Weissman				Signature <i>Don Weissman</i>		Month 12	Day 2	Year 14
Transporter Acknowledgement of Receipt of Materials								
16. Transporter 1 Printed/Typed Name				Signature <i>Matthew Flaherty</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space								
<input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name G. C. Qu...				Signature <i>G. C. Qu...</i>		Month 12	Day 11	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWN

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005503		
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3805 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) <i>MAILING ADDRESS: 4700 RIVER ROAD UNIT 124 RIVERDING MD 20737</i>					
Generator's Phone: (301)438-3114							
6. Transporter 1 Company Name <i>DINT, INC.</i>		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address PECAN GROVE LP 0605 FIRETOWER RD PASS CHRISTIAN MS 39571		U.S. EPA ID Number					
Facility's Phone: (228)255-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
	1. NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS	No.	Type				
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offoror's Printed/Typed Name <i>Don Dan Weissman</i>				Signature <i>Don Dan</i>	Month 12	Day 2	Year 19
Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>				Signature <i>Chad Hall</i>	Month	Day	Year
17. Transporter 2 Printed/Typed Name				Signature	Month	Day	Year
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
19. Management Method Codes Manifest Reference Number:							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <i>G. C. Dell</i>				Signature <i>G. C. Dell</i>	Month 12	Day 2	Year 19

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CVN

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (301)424-8300	4. WM - 20005516		
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) <i>USDA ADAMS MAILING ADDRESS 4700 RIVER RD, UNIT 124 RIVERJADE, MS 20737</i>					
Generator's Phone: (301)438-3114							
6. Transporter 1 Company Name <i>Dirt, Inc. 22</i>		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address PECAN GROVE LF 9085 FIRETOWER RD PASS CHRISTIAN MS 39571		U.S. EPA ID Number					
Facility's Phone: (228)255-8553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS						
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offoror's Printed/Typed Name <i>Don Weissman</i>		Signature <i>Don Weissman</i>			Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
Transporter Acknowledgement of Receipt of Materials							
16. Transporter 1 Printed/Typed Name <i>Chad Hall</i>		Signature <i>Chad Hall</i>			Month	Day	Year
17. Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
19. Management Method Codes							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 18a							
Printed/Typed Name <i>G. Caldwell</i>		Signature <i>G. Caldwell</i>			Month <i>12</i>	Day <i>2</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CWM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number 1	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005517			
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3505 25TH AVENUE GULFPORT MISSISSIPPI 38501				Generator's Site Address (If different than mailing address) USDA ADHS MAILING ADDRESS: 4700 AVER RD, UNIT 124 RIVERSIDE, MD 20737				
Generator's Phone: (301)438-3114								
6. Transporter 1 Company Name Dirt, Inc. 14				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LP 9685 FIRETOWER RD PASS CHRISTIAN MS 38571				U.S. EPA ID Number				
Facility's Phone: (228)255-5553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offeror's Printed/Typed Name Dan Weissman				Signature <i>Dan Weissman</i>		Month 12	Day 2	Year 14
TRANSPORTER								
16. Transporter 1 Printed/Typed Name								
				Signature <i>Matthew Fl...</i>		Month	Day	Year
17. Transporter 2 Printed/Typed Name								
				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.	2.	3.	4.					
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name G. Cal...				Signature <i>G. Cal...</i>		Month 12	Day 2	Year 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)424-8300	4. WM - 20005515			
5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 38601				Generator's Site Address (If different than mailing address) <i>MAILING ADDRESS: 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737</i>				
Generator's Phone: (301)436-3114								
6. Transporter 1 Company Name <i>Dirt, Inc. 14</i>				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address PECAN GROVE LP 9885 FIRETOWER RD PASS CHRISTIAN MS 38571				U.S. EPA ID Number				
Facility's Phone: (228)255-5553								
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.		
		No.	Type					
	1 NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401877MS							
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information								
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.								
Generator's/Offoror's Printed/Typed Name <i>Don Weissman</i>				Signature <i>Don Weissman</i>		Month <i>12</i>	Day <i>2</i>	Year <i>14</i>
16. Transporter 1 Printed/Typed Name <i>Matthew Fowler</i>								
17. Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
18. Discrepancy Comments								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
19. Management Method Codes								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>G. C. [unclear] 1136930</i>				Signature <i>[Signature]</i>		Month <i>12</i>	Day <i>3</i>	Year <i>14</i>

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

Please print or type.

CYRM

NON HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone (800)424-8300	4. WM - 20005519		
		5. Generator's Name and Mailing Address USDA ANIMAL AND PLANT HEALTH INSPECTION SVCS 3605 25TH AVENUE GULFPORT MISSISSIPPI 39501		Generator's Site Address (If different than mailing address) <i>Mailing Address: USDA ADAMS 4700 RIVER RD, UNIT 124 RIVERDALE, MD 20737</i>			
6. Transporter 1 Company Name 14		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address PECAN GROVE LP 6685 FIRETOWER RD PASS CHRISTIAN MS 38571		U.S. EPA ID Number					
Facility's Phone: (228)255-5553							
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste No.	
		No.	Type				
1	NON HAZ SOIL IMPACTED BY ORGANIC CHLORINE PESTICIDES 401677MS						
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. 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 and national governmental regulations and is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law.							
Generator's/Offoror's Printed/Typed Name Don Weissman					Signature <i>Don Weissman</i>		Month Day Year 12 2 14
16. Transporter 1 Printed/Typed Name							
17. Transporter 2 Printed/Typed Name					Signature <i>Matthew...</i>		Month Day Year 12 3 14
18. Discrepancy Comments							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
19. Management Method Codes							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name G. Green 1136874					Signature <i>G. Green</i>		Month Day Year 12 3 14

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

APPENDIX C

Non-Hazardous Waste Profile and Manifests for Liquid Investigation Derived Waste

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WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH474260

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION #
 GENERATOR CODE (Assigned by Clean Harbors)
 ADDRESS **3505 25th Avenue**

MS9123430598
US2898

GENERATOR NAME: **USDA**
 CITY **Gulfport**

STATE/PROVINCE **MS** ZIP/POSTAL CODE **39501**

CUSTOMER CODE (Assigned by Clean Harbors) **DE3392**
 ADDRESS **2120 Washington Boulevard Suite 200**

CUSTOMER NAME:
 CITY **Arlington**

PHONE: **(703) 920-7070 x 213**
Designers and Planners
 STATE/PROVINCE **VA** ZIP/POSTAL CODE **22204**

B. WASTE DESCRIPTION

WASTE DESCRIPTION: **Groundwater**

PROCESS GENERATING WASTE: **Groundwater Sampling Event**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	NUMBER OF PHASES/LAYERS <input checked="" type="checkbox"/> 1 2 3 TOP 0.00 % BY VOLUME (Approx.) MIDDLE 0.00 BOTTOM 0.00		VISCOSITY (If liquid present) <input checked="" type="checkbox"/> 1 - 100 (e.g. Water) 101 - 500 (e.g. Motor Oil) 501 - 10,000 (e.g. Molasses) > 10,000		COLOR Brown
	ODOR <input checked="" type="checkbox"/> NONE MILD STRONG Describe:	BOILING POINT °F (°C) <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)	MELTING POINT °F (°C) < 140 (<60) 140-200 (60-93) > 200 (>93)	TOTAL ORGANIC CARBON <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
FLASH POINT °F (°C) < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)	pH <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5	SPECIFIC GRAVITY < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	ASH < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0 <input checked="" type="checkbox"/> Unknown > 20	BTU/LB (MJ/kg) <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:	

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	MAX	UOM
CHLOROFORM	1.0000000	1.0000000	PPB
DIELDRIN	1.0000000	1.0000000	PPB
IRON	26900.000000	26900.000000	PPB
MANGANESE	730.0000000	730.0000000	PPB
WATER	100.0000000	100.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? **YES** **NO**

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? **YES** **NO**

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING: ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? **YES** **NO**

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. **YES** **NO**

Chemical disinfection or some other form of sterilization has been applied to the waste. **YES** **NO**

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. **YES** **NO**

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. **YES** **NO**

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. **G09**

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. **W113**



E. CONSTITUENTS

Are these values based on testing or knowledge?

Knowledge Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE	
D004	ARSENIC	5.0				<input checked="" type="checkbox"/>	
D005	BARIUM	100.0				<input checked="" type="checkbox"/>	
D006	CADMIUM	1.0				<input checked="" type="checkbox"/>	
D007	CHROMIUM	5.0				<input checked="" type="checkbox"/>	
D008	LEAD	5.0				<input checked="" type="checkbox"/>	
D009	MERCURY	0.2				<input checked="" type="checkbox"/>	
D010	SELENIUM	1.0				<input checked="" type="checkbox"/>	
D011	SILVER	5.0				<input checked="" type="checkbox"/>	
VOLATILE COMPOUNDS				OTHER CONSTITUENTS		MAX UOM	NOT APPLICABLE
D018	BENZENE	0.5					<input checked="" type="checkbox"/>
D019	CARBON TETRACHLORIDE	0.5					<input checked="" type="checkbox"/>
D021	CHLOROBENZENE	100.0					<input checked="" type="checkbox"/>
D022	CHLOROFORM	6.0					<input checked="" type="checkbox"/>
D028	1,2-DICHLOROETHANE	0.5					<input checked="" type="checkbox"/>
D029	1,1-DICHLOROETHYLENE	0.7					<input checked="" type="checkbox"/>
D035	METHYL ETHYL KETONE	200.0					<input checked="" type="checkbox"/>
D039	TETRACHLOROETHYLENE	0.7					<input checked="" type="checkbox"/>
D040	TRICHLOROETHYLENE	0.5					<input checked="" type="checkbox"/>
D043	VINYL CHLORIDE	0.2					<input checked="" type="checkbox"/>
SEMI-VOLATILE COMPOUNDS				HOCS		PCBS	
D023	o-CRESOL	200.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE	
D024	m-CRESOL	200.0			< 1000 PPM	< 50 PPM	
D025	p-CRESOL	200.0			>= 1000 PPM	>= 50 PPM	
D026	CRESOL (TOTAL)	200.0					
D027	1,4-DICHLOROBENZENE	7.5					
D030	2,4-DINITROTOLUENE	0.13					
D032	HEXACHLOROBENZENE	0.13					
D033	HEXACHLOROBUTADIENE	0.5					
D034	HEXACHLOROETHANE	3.0					
D036	NITROBENZENE	2.0					
D037	PENTACHLOROPHENOL	100.0					
D038	PYRIDINE	5.0					
D041	2,4,5-TRICHLOROPHENOL	400.0					
D042	2,4,6-TRICHLOROPHENOL	2.0					
PESTICIDES AND HERBICIDES						IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?	
D012	ENDRIN	0.02				YES	<input checked="" type="checkbox"/> NO
D013	LINDANE	0.4					
D014	METHOXYCHLOR	10.0					
D015	TOXAPHENE	0.5					
D016	2,4-D	10.0					
D017	2,4,5-TP (SILVEX)	1.0					
D020	CHLORDANE	0.03					
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008					

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES NO (If yes, explain)

CHOOSE ALL THAT APPLY

- DEA REGULATED SUBSTANCE
- EXPLOSIVE
- FUMING
- OSHA REGULATED CARCINOGENS
- POLYMERIZABLE
- RADIOACTIVE
- REACTIVE MATERIAL
- NONE OF THE ABOVE



F. REGULATORY STATUS

YES NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code _____

YES NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: **This is subject to LDR.**
VARIANCE INFO: _____

YES NO IS THIS A UNIVERSAL WASTE?

YES NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?

YES NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?
What is the TAB quantity for your facility? _____ Megagram/year (1 Mg = 2,200 lbs)
The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing
Describe the knowledge: _____

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
N/A, NON D.O.T. REGULATED, N/A

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY: ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

<input checked="" type="checkbox"/> CONTAINERIZED 1-5 CONTAINERS/SHIPMENT STORAGE CAPACITY: 10 CONTAINER TYPE: CUBIC YARD BOX PALLET TOTE TANK <input checked="" type="checkbox"/> DRUM OTHER: DRUM SIZE: 55	BULK LIQUID GALLONS/SHIPMENT: 0 Min - 0 Max GAL.		BULK SOLID SHIPMENT UOM: TON YARD TONS/YARDS/SHIPMENT: 0 Min - 0 Max	

I. SPECIAL REQUEST

COMMENTS OR REQUESTS

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
	Thomas E. Franklin	Env. Program Mgr	12/06/10
	Daniel Weissman	Env. Program Mgr	12/23/14

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MS9123430598	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 008157221 FLE		
5. Generator's Name and Mailing Address USDA 3505 25th Avenue Gulfport, MS 39501 Generator's Phone: (703) 820-7070				Generator's Site Address (if different than mailing address) SAME			
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MAD039322250			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors Chattanooga LLC 3300 Cummings Road Chattanooga, TN 37419 Facility's Phone: (423) 821-6926				U.S. EPA ID Number TND982141392			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	NON D.O.T. REGULATED, (GROUNDWATER)	1	DM	50	P		
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information 1. CH474260							
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Kenneth R Peterman				Signature Kenneth R. Peterman		Month Day Year 1 27 15	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Alton Williams				Signature Alton Wick		Month Day Year 1 27 15	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2.		3.		4.	
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

APPENDIX D

Complete Post Excavation Soil Sample Analytical Results

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Table D-1. CPHST ANPCL Post Excavation Soil Sampling Analytical Results

Parameter	TRG-R	B14/15-FL-01	B14/15-FL-02	B14/15-FL-03	B14/15-FL-04	B14/15-FL-05	B14/15-FL-06
4,4'-DDD	23,800	3.3U-D	40-D	16-D	1.3U-D	4U-D	4.3J-RD
4,4'-DDE	16,800	32-D	110-D	1.3U-D	6-D	4U-D	68-D
4,4'-DDT	16,800	12-D	190-D	1.3U-D	8.3-D	4U-D	10-D
ALDRIN	337	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
ALPHA-BHC	908	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
ALPHA-CHLORDANE	NA	3.3U-D	180-JD	3.9-RD	1.3U-D	4U-D	4.7J-D
BETA-BHC	3,180	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-UJD
DELTA-BHC	NA	4.8U-D	5.8U-D	1.9U-D	1.9U-D	5.8U-D	2.8U-UJD
DIELDRIN	358	100-D	820-D	32-D	28-D	190-D	39-JD
ENDOSULFAN I	NA	6.5U-D	7.9U-D	2.6U-D	2.6U-D	7.9U-D	3.8U-D
ENDOSULFAN II	NA	4.9U-D	6U-D	2U-D	2U-D	5.9U-D	2.9U-D
ENDOSULFAN SULFATE	NA	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
ENDRIN	61,300	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	2.6U-D
ENDRIN ALDEHYDE	NA	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
ENDRIN KETONE	NA	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
GAMMA-BHC (LINDANE)	4,400	3.3U-D	4U-D	1.3U-D	1.3U-D	4U-D	1.9U-D
GAMMA-CHLORDANE	NA	3.3U-D	380-D	5.8-D	2J-D	4U-D	19-JD
HEPTACHLOR	195	3.3U-D	16-D	1.3U-D	1.3U-D	4U-D	1.9U-D
HEPTACHLOR EPOXIDE	629	3.3U-D	710-D	5.6-D	1.3U-D	4U-D	3.8J-D
METHOXYCHLOR	1,020,000	22U-D	26U-D	8.7U-D	8.7U-D	26U-D	13U-D
TOXAPHENE	5,200	140U-D	170U-D	55U-D	54U-D	170U-D	80U-D

Notes

All results reported in ug/kg
 Detections in bold.
 TRG exceedances in shaded cells.

Definitions

TRG -R - Target Remediation Goal for Restricted Use

Lab Qualifiers (Before Dash)

U - Analyte not detected
 J - Estimated value. Analyte detected below the RL, but above the MDL

Data Validation Qualifiers (After Dash)

D - Result detected in sample with laboratory dilution
 J - Estimated Value
 R - Analyte may not be present. The positive analytical results reported by the laboratory is considered to be unreliable and unusable.
 U - Analyte not detected

Table D-1. CPHST ANPCL Post Excavation Soil Sampling Analytical Results

Parameter	TRG-R	B14/15-FL-06 DUP	B14/15-SW-01	B14/15-SW-02	B14/15-SW-03	B14/15-SW-03 DUP
4,4'-DDD	23,800	2.6U-D	1.3U-D	100-D	3.9U-D	3.9U-D
4,4'-DDE	16,800	59-D	6.3-D	310-D	3.9U-D	3.9U-D
4,4'-DDT	16,800	5.9J-D	2.4J-D	440-D	3.9U-D	3.9U-D
ALDRIN	337	2.6U-D	1.3U-D	6.5U-D	3.9U-D	3.9U-D
ALPHA-BHC	908	2.6U-D	1.3U-D	6.5U-D	3.9U-D	3.9U-D
ALPHA-CHLORDANE	NA	5.2J-D	2.4J-D	320-JD	19-JD	22-JD
BETA-BHC	3,180	2.6U-UJD	1.3U-D	6.5U-D	13-D	15-D
DELTA-BHC	NA	3.7U-UJD	1.9U-D	9.5U-D	5.8U-D	5.8U-D
DIELDRIN	358	34-JD	35-D	730-D	140-D	160-D
ENDOSULFAN I	NA	5.1U-D	2.6U-D	13U-D	7.9U-D	7.9U-D
ENDOSULFAN II	NA	3.8U-D	2U-D	9.7U-D	5.9U-D	5.9U-D
ENDOSULFAN SULFATE	NA	2.6U-D	1.3U-D	6.5U-D	3.9U-D	8.5J-D
ENDRIN	61,300	2.6U-D	1.3U-D	6.5U-D	3.9U-D	3.9U-D
ENDRIN ALDEHYDE	NA	2.6U-D	1.3U-D	11J-D	3.9U-D	3.9U-D
ENDRIN KETONE	NA	2.6U-D	1.3U-D	6.5U-D	3.9U-D	3.9U-D
GAMMA-BHC (LINDANE)	4,400	2.6U-D	1.3U-D	6.5U-D	3.9U-D	3.9U-D
GAMMA-CHLORDANE	NA	22-JD	8.6-D	1000-D	77-D	88-D
HEPTACHLOR	195	2.6U-D	1.3U-D	48-D	3.9U-D	3.9U-D
HEPTACHLOR EPOXIDE	629	3.4J-D	6.3-D	200-D	89-D	100-D
METHOXYCHLOR	1,020,000	17U-D	8.8U-D	43U-D	26U-D	26U-D
TOXAPHENE	5,200	110U-D	55U-D	270U-D	160U-D	160U-D

Notes

All results reported in ug/kg

Detections in bold.

TRG exceedances in shaded cells.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

J - Estimated value. Analyte detected below the RL, but above the MDL

Data Validation Qualifiers

D - Result detected in sample with laboratory dilution

R - Analyte may not be present. The positive analytical results reported by the laboratory is considered to be unreliable and unusable.

UJ - Analyte not detected. Estimated Value

Table D-1. CPHST ANPCL Post Excavation Soil Sampling Analytical Results

Parameter	TRG-R	B14/15-SW-04	B14/15-SW-05	B14/15-SW-06	ESI4-19-FL-01	ESI4-19-FL-02	ESI4-19-FL-03
4,4'-DDD	23,800	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
4,4'-DDE	16,800	19-D	3.8U-D	3.8-D	48-D	0.66U	0.83J
4,4'-DDT	16,800	19-D	3.8U-D	8.3-D	15-D	2.5	1.4J
ALDRIN	337	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
ALPHA-BHC	908	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
ALPHA-CHLORDANE	NA	17-JD	3.8U-D	1.3U-D	3J-D	0.66U	0.65U
BETA-BHC	3,180	4U-D	3.8U-D	1.3U-UJD	2.6U-D	0.66U	0.65U
DELTA-BHC	NA	5.8U-D	5.6U-D	2U-UJD	3.8U-D	0.97U	0.96U
DIELDRIN	358	140-D	310-D	2.9J-JD	100-D	1.4J	0.88J
ENDOSULFAN I	NA	7.9U-D	7.6U-D	2.7U-D	5.2U-D	1.3U	1.3U
ENDOSULFAN II	NA	5.9U-D	5.7U-D	2U-D	3.9U-D	1U	0.98U
ENDOSULFAN SULFATE	NA	9.4J-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
ENDRIN	61,300	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
ENDRIN ALDEHYDE	NA	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
ENDRIN KETONE	NA	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
GAMMA-BHC (LINDANE)	4,400	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
GAMMA-CHLORDANE	NA	20-D	3.8U-D	1.3U-UJD	2.6U-D	0.66U	0.65U
HEPTACHLOR	195	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
HEPTACHLOR EPOXIDE	629	4U-D	3.8U-D	1.3U-D	2.6U-D	0.66U	0.65U
METHOXYCHLOR	1,020,000	26U-D	25U-D	8.9U-D	17U-D	4.4U	4.4U
TOXAPHENE	5,200	160U-D	160U-D	56U-D	110U-D	28U	27U

Notes

All results reported in ug/kg

Detections in bold.

TRG exceedances in shaded cells.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

J - Estimated value. Analyte detected below the RL, but above the MDL

Data Validation Qualifiers

D - Result detected in sample with laboratory dilution

R - Analyte may not be present. The positive analytical results reported by the laboratory is considered to be unreliable and unusable.

UJ - Analyte not detected. Estimated Value

Table D-1. CPHST ANPCL Post Excavation Soil Sampling Analytical Results

Parameter	TRG-R	ESI4-19-FL-04	ESI4-19-FL-05	ESI4-19-SW-02	ESI4-19-SW-03	ESI4-19-SW-03	ESI4-19-SW-04
4,4'-DDD	23,800	1.1J-R	2.3J-D	18-JD	69-D	0.66U	2.7U-D
4,4'-DDE	16,800	12	13-D	250-D	170-D	2.3	59-D
4,4'-DDT	16,800	8.4	10-D	260-D	510-D	2.3	44-D
ALDRIN	337	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
ALPHA-BHC	908	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
ALPHA-CHLORDANE	NA	1.4J-R	1.3U-D	110-JD	4U-D	0.66U	5J-RD
BETA-BHC	3,180	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
DELTA-BHC	NA	0.97U	1.9U-D	5.8U-D	5.8U-D	0.96U	4U-D
DIELDRIN	358	14	30-D	700-D	68-D	2.7	67-D
ENDOSULFAN I	NA	1.3U	2.6U-D	7.9U-D	7.9U-D	1.3U	5.4U-D
ENDOSULFAN II	NA	0.99U	2U-D	5.9U-D	5.9U-D	0.99U	4.1U-D
ENDOSULFAN SULFATE	NA	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
ENDRIN	61,300	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
ENDRIN ALDEHYDE	NA	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
ENDRIN KETONE	NA	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
GAMMA-BHC (LINDANE)	4,400	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
GAMMA-CHLORDANE	NA	1J	1.3U-D	82-D	7.7J-D	0.66U	3.2J-D
HEPTACHLOR	195	0.66U	1.3U-D	4U-D	4U-D	0.66U	2.7U-D
HEPTACHLOR EPOXIDE	629	0.66U	1.3U-D	10J-D	4U-D	0.66U	2.7U-D
METHOXYCHLOR	1,020,000	4.4U	8.7U-D	26U-D	26U-D	4.4U	18U-D
TOXAPHENE	5,200	28U	55U-D	170U-D	170U-D	27U	110U-D

Notes

All results reported in ug/kg

Detections in bold.

TRG exceedances in shaded cells.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

J - Estimated value. Analyte detected below the RL, but above the MDL

Data Validation Qualifiers

D - Result detected in sample with laboratory dilution

R - Analyte may not be present. The positive analytical results reported by the laboratory is considered to be unreliable and unusable.

UJ - Analyte not detected. Estimated Value

APPENDIX E

Complete Groundwater Analytical Results

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Table E-1. CPHST ANPCL Monitoring Wells VOC Analytical Results Summary: December 2014

Parameter	Tier 1 TRG	MW01-GW@9'	MW02-GW@9.5'	MW03-GW@9'	MW04-GW@11'
1,1,1,2-TETRACHLOROETHANE	406	0.3U	0.3U	0.3U	0.3U
1,1,1-TRICHLOROETHANE	200	0.3U	0.3U	0.3U	0.3U
1,1,2,2-TETRACHLOROETHANE	527	0.3U	0.3U	0.3U	0.3U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	N/A	0.3U	0.3U	0.3U	0.3U
1,1,2-TRICHLOROETHANE	5	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROETHANE	798	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROETHENE	7	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROPROPENE	N/A	0.3U	0.3U	0.3U	0.3U
1,2,3-TRICHLOROBENZENE	30.4	0.3U	0.3U	0.3U	0.3U
1,2,3-TRICHLOROPROPANE	70	0.3U	0.3U	0.3U	0.3U
1,2,4-TRICHLOROBENZENE	123	0.3U	0.3U	0.3U	0.3U
1,2,4-TRIMETHYLBENZENE	0.2	0.3U	0.3U	0.3U	0.3U
1,2-DIBROMO-3-CHLOROPROPANE	0.05	0.6U	0.6U	0.6U	0.6U
1,2-DIBROMOETHANE	600	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROBENZENE	5	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROETHANE	5	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROPROPANE	12.3	0.3U	0.3U	0.3U	0.3U
1,3,5-TRIMETHYLBENZENE	5.48	0.3U	0.3U	0.3U	0.3U
1,3-DICHLOROBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
1,3-DICHLOROPROPANE	75	0.3U	0.3U	0.3U	0.3U
1,4-DICHLOROBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
1-CHLOROHEXANE	N/A	0.3U	0.3U	0.3U	0.3U
2,2-DICHLOROPROPANE	N/A	0.3U	0.3U	0.3U	0.3U
2-BUTANONE	1910	3U	3U	3U	3U
2-CHLOROTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
2-HEXANONE	N/A	3U	3U	3U	3U
4-CHLOROTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
4-METHYL-2-PENTANONE	N/A	3U	3U	3U	3U
ACETONE	608	3U	3U	3U	3U
BENZENE	5	0.3U	0.3U	0.3U	0.3U
BROMOBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
BROMOCHLOROMETHANE	N/A	0.3U	0.3U	0.3U	0.3U
BROMODICHLOROMETHANE	16.8	0.3U	0.3U	0.3U	0.3U
BROMOFORM	8.48	0.3U	0.3U	0.3U	0.3U
BROMOMETHANE	8.52	0.3U	0.3U	0.3U	0.3U
CARBON DISULFIDE	1040	0.3U	0.3U	0.3U	0.3U
CARBON TETRACHLORIDE	5	0.3U	0.3U	0.3U	0.3U
CHLOROBENZENE	100	0.3U	0.3U	0.3U	0.3U
CHLOROETHANE	5.64	0.3U	0.3U	0.3U	0.3U
CHLOROFORM	0.155	0.3U	0.3U	0.3U	0.3U
CHLOROMETHANE	1.43	0.3U	0.3U	0.3U	0.3U
CIS-1,2-DICHLOROETHENE	70	0.3U	0.3U	0.3U	0.3U
CIS-1,3-DICHLOROPROPENE	0.0842	0.3U	0.3U	0.3U	0.3U
DIBROMOCHLOROMETHANE	0.126	0.3U	0.3U	0.3U	0.3U
DIBROMOMETHANE	6.08	0.3U	0.3U	0.3U	0.3U
DICHLORODIFLUOROMETHANE	348	0.3U	0.3U	0.3U	0.3U
ETHYLBENZENE	700	0.3U	0.3U	0.3U	0.3U
HEXACHLOROBUTADIENE	0.859	0.3U	0.3U	0.3U	0.3U
IODOMETHANE	N/A	0.3U	0.3U	0.3U	0.3U
ISOPROPYLBENZENE	679	0.3U	0.3U	0.3U	0.3U
M+P-XYLENE	12240	0.3U	0.3U	0.3U	0.3U
METHYL TERTIARY BUTYL ETHER	40	0.3U	0.3U	0.3U	0.3U
METHYLENE CHLORIDE	N/A	0.43U	0.43U	0.43U	0.43U
NAPHTHALENE	6.2	0.3U	0.3U	0.3U	0.3U
N-BUTYLBENZENE	243	0.3U	0.3U	0.3U	0.3U
N-PROPYLBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
O-XYLENE	12240	0.3U	0.3U	0.3U	0.3U
P-ISOPROPYLTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
SEC-BUTYLBENZENE	24.3	0.3U	0.3U	0.3U	0.3U
STYRENE	100	0.3U	0.3U	0.3U	0.3U
TERT-BUTYLBENZENE	24.3	0.3U	0.3U	0.3U	0.3U
TETRACHLOROETHENE	5	0.2U	0.2U	0.2U	0.2U
TOLUENE	1000	0.3U	0.3U	0.3U	0.3U
TRANS-1,2-DICHLOROETHENE	100	0.3U	0.3U	0.3U	0.3U
TRANS-1,3-DICHLOROPROPENE	0.0842	0.3U	0.3U	0.3U	0.3U
TRICHLOROETHENE	5	0.3U	0.3U	0.3U	0.3U
TRICHLOROFLUOROMETHANE	1290	0.3U	0.3U	0.3U	0.3U
VINYL ACETATE	4.2	0.68U	0.68U	0.68U	0.68U
VINYL CHLORIDE	2	0.3U	0.3U	0.3U	0.3U

Notes

All results reported in ug/L.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

Table E-1. CPHST ANPCL Monitoring Wells VOC Analytical Results Summary: December 2014

Parameter	Tier 1 TRG	MW05-GW@27.5'	MW05S-GW@10'	MW05S-GW@10' DUP	MW06-GW@16.5'
1,1,1,2-TETRACHLOROETHANE	406	0.3U	0.3U	0.3U	0.3U
1,1,1-TRICHLOROETHANE	200	0.3U	0.3U	0.3U	0.3U
1,1,2,2-TETRACHLOROETHANE	527	0.3U	0.3U	0.3U	0.3U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	N/A	0.3U	0.3U	0.3U	0.3U
1,1,2-TRICHLOROETHANE	5	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROETHANE	798	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROETHENE	7	0.3U	0.3U	0.3U	0.3U
1,1-DICHLOROPROPENE	N/A	0.3U	0.3U	0.3U	0.3U
1,2,3-TRICHLOROBENZENE	30.4	0.3U	0.3U	0.3U	0.3U
1,2,3-TRICHLOROPROPANE	70	0.3U	0.3U	0.3U	0.3U
1,2,4-TRICHLOROBENZENE	123	0.3U	0.3U	0.3U	0.3U
1,2,4-TRIMETHYLBENZENE	0.2	0.3U	0.3U	0.3U	0.3U
1,2-DIBROMO-3-CHLOROPROPANE	0.05	0.6U	0.6U	0.6U	0.6U
1,2-DIBROMOETHANE	600	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROBENZENE	5	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROETHANE	5	0.3U	0.3U	0.3U	0.3U
1,2-DICHLOROPROPANE	12.3	0.3U	0.3U	0.3U	0.3U
1,3,5-TRIMETHYLBENZENE	5.48	0.3U	0.3U	0.3U	0.3U
1,3-DICHLOROBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
1,3-DICHLOROPROPANE	75	0.3U	0.3U	0.3U	0.3U
1,4-DICHLOROBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
1-CHLOROHEXANE	N/A	0.3U	0.3U	0.3U	0.3U
2,2-DICHLOROPROPANE	N/A	0.3U	0.3U	0.3U	0.3U
2-BUTANONE	1910	3U	3U	3U	3U
2-CHLOROTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
2-HEXANONE	N/A	3U	3U	3U	3U
4-CHLOROTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
4-METHYL-2-PENTANONE	N/A	3U	3U	3U	3U
ACETONE	608	3U	3U	3U	3U
BENZENE	5	0.3U	0.3U	0.3U	0.3U
BROMOBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
BROMOCHLOROMETHANE	N/A	0.3U	0.3U	0.3U	0.3U
BROMODICHLOROMETHANE	16.8	0.3U	0.3U	0.3U	0.3U
BROMOFORM	8.48	0.3U	0.3U	0.3U	0.3U
BROMOMETHANE	8.52	0.3U	0.3U	0.3U	0.3U
CARBON DISULFIDE	1040	0.3U	0.3U	0.3U	0.3U
CARBON TETRACHLORIDE	5	0.3U	0.3U	0.3U	0.3U
CHLOROBENZENE	100	0.3U	0.3U	0.3U	0.3U
CHLOROETHANE	5.64	0.3U	0.3U	0.3U	0.3U
CHLOROFORM	0.155	0.3U	0.3U	0.3U	0.3U
CHLOROMETHANE	1.43	0.3U	0.3U	0.3U	0.3U
CIS-1,2-DICHLOROETHENE	70	0.3U	0.3U	0.3U	0.3U
CIS-1,3-DICHLOROPROPENE	0.0842	0.3U	0.3U	0.3U	0.3U
DIBROMOCHLOROMETHANE	0.126	0.3U	0.3U	0.3U	0.3U
DIBROMOMETHANE	6.08	0.3U	0.3U	0.3U	0.3U
DICHLORODIFLUOROMETHANE	348	0.3U	0.3U	0.3U	0.3U
ETHYLBENZENE	700	0.3U	0.3U	0.3U	0.3U
HEXACHLOROBUTADIENE	0.859	0.3U	0.3U	0.3U	0.3U
IODOMETHANE	N/A	0.3U	0.3U	0.3U	0.3U
ISOPROPYLBENZENE	679	0.3U	0.3U	0.3U	0.3U
M+P-XYLENE	12240	0.3U	0.3U	0.3U	0.3U
METHYL TERTIARY BUTYL ETHER	40	0.3U	0.3U	0.3U	0.3U
METHYLENE CHLORIDE	N/A	0.43U	0.43U	0.43U	0.43U
NAPHTHALENE	6.2	0.3U	0.3U	0.3U	0.3U
N-BUTYLBENZENE	243	0.3U	0.3U	0.3U	0.3U
N-PROPYLBENZENE	N/A	0.3U	0.3U	0.3U	0.3U
O-XYLENE	12240	0.3U	0.3U	0.3U	0.3U
P-ISOPROPYLTOLUENE	N/A	0.3U	0.3U	0.3U	0.3U
SEC-BUTYLBENZENE	24.3	0.3U	0.3U	0.3U	0.3U
STYRENE	100	0.3U	0.3U	0.3U	0.3U
TERT-BUTYLBENZENE	24.3	0.3U	0.3U	0.3U	0.3U
TETRACHLOROETHENE	5	0.2U	0.2U	0.2U	0.2U
TOLUENE	1000	0.3U	0.3U	0.3U	0.3U
TRANS-1,2-DICHLOROETHENE	100	0.3U	0.3U	0.3U	0.3U
TRANS-1,3-DICHLOROPROPENE	0.0842	0.3U	0.3U	0.3U	0.3U
TRICHLOROETHENE	5	0.3U	0.3U	0.3U	0.3U
TRICHLOROFLUOROMETHANE	1290	0.3U	0.3U	0.3U	0.3U
VINYL ACETATE	4.2	0.68U	0.68U	0.68U	0.68U
VINYL CHLORIDE	2	0.3U	0.3U	0.3U	0.3U

Notes

All results reported in ug/L.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

Table E-2. CPHST ANPCL Monitoring Wells OC Pesticides Analytical Results Summary: December 2014

Parameter	Tier 1 TRG	MW01-GW@9'	MW02-GW@9.5'	MW03-GW@9'	MW04-GW@11'	MW05-GW@27.5'	MW05S-GW@10'	MW05S-GW@10' DUP	MW06-GW@16.5'
4,4'-DDD	0.279	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
4,4'-DDE	0.197	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
4,4'-DDT	0.197	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ALDRIN	0.00394	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ALPHA-BHC	0.0106	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ALPHA-CHLORDANE	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.15	0.19	0.03U
BETA-BHC	0.0372	0.03U	0.029U	0.17	0.03U	0.029U	0.029U	0.031U	0.03U
DELTA-BHC	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
DIELDRIN	0.00419	0.03U	0.058	0.52	0.03U	0.029U	0.17	0.21	0.03U
ENDOSULFAN I	NA	0.044U	0.042U	0.044U	0.044U	0.042U	0.043U	0.045U	0.044U
ENDOSULFAN II	NA	0.033U	0.032U	0.033U	0.033U	0.032U	0.032U	0.034U	0.033U
ENDOSULFAN SULFATE	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ENDRIN	2	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ENDRIN ALDEHYDE	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
ENDRIN KETONE	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
GAMMA-BHC (LINDANE)	0.20	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
GAMMA-CHLORDANE	NA	0.03U	0.029U	0.03U	0.03U	0.029U	0.2	0.25	0.03U
HEPTACHLOR	0.40	0.03U	0.029U	0.03U	0.03U	0.029U	0.029U	0.031U	0.03U
HEPTACHLOR EPOXIDE	0.20	0.03U	0.029U	0.075	0.03U	0.029U	0.029U	0.031U	0.03U
METHOXYCHLOR	40	0.074U	0.072U	0.075U	0.075U	0.072U	0.072U	0.077U	0.075U
TOXAPHENE	3	0.74U	0.72U	0.75U	0.75U	0.72U	0.72U	0.77U	0.75U

Notes

All results reported in ug/L.
Analyte Detections in Bolc
Tier 1 TRG Exceedances in shaded cells.

Definitions

TRG - Target Remediation Goal

Lab Qualifiers

U - Analyte not detected

Table E-3. CPHST ANPCL Monitoring Wells TAL Dissolved Metals Analytical Results Summary: December 2014

Parameter	Tier 1 TRG	MW01-GW@9'	MW02-GW@9.5'	MW03-GW@9'	MW04-GW@11'	MW05-GW@27.5'	MW05S-GW@10'	MW05S-GW@10' DUP	MW06-GW@16.5'
ALUMINUM	36,500	340	200B	27B-J	31B-J	18U-UJ	840	48B-J	50B-J
ANTIMONY	6	5.1B-J	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ
ARSENIC	50	3.9U	3.9U	3.9U	5.7B	3.9U	3.9U	3.9U	3.9U
BARIUM	2,000	12B,E-J	71B-J	17B-J	19B-J	0.85B-J	18B-J	17B-J	11B-J
BERYLLIUM	4	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U
CADMIUM	5	0.39U-UJ	0.39U-UJ	0.39U-UJ	0.39U-U	0.39U-UJ	0.39U-UJ	0.39U-UJ	0.39U-UJ
CALCIUM	NA	11,000	10,000	49,000	340B	22,000	22,000	22,000	9,000
CHROMIUM*	58,400	0.62U-UJ	0.62U-UJ	0.62U-UJ	0.62U-UJ	0.62U-UJ	1.7B-J	0.62U-UJ	0.62U-UJ
COBALT	2,190	0.57U-UJ	7.1B	0.57U-UJ	1.3B-J	0.57U-UJ	0.57U-UJ	0.57U-UJ	0.57U-UJ
COPPER	1,300	1.1U	1.1U	1.8B	1.1U	1.1U	1.1U	1.1U	1.1U
IRON	11,000	290E-J	13B-J	35B-J	510-J	6.3B-J	330-J	45B-J	26B-J
LEAD	15	1.9U-UJ	1.9U-UJ	1.9U-UJ	1.9U-UJ	1.9U-UJ	2.1B-J	1.9U-UJ	1.9U-UJ
MAGNESIUM	NA	1,100	930B	2,000	1,400	140B-B	950B	920B	920B
MANGANESE	730	35	130	3.5B-B	520	21	150	160	23
MERCURY	2	0.06U,N-UL	0.06U-UL	0.06U-UL	0.06U-UL	0.06U-UL	0.06U-UL	0.06U-UL	0.06U-UL
NICKEL	730	1.2U-UJ	1.5B-J	1.2U-UJ	1.2U-UJ	1.2U-UJ	1.9B-J	1.2U-UJ	1.2U-UJ
POTASSIUM	NA	590B	1,300	350B	1,500	540B	710B	710B	1,900
SELENIUM	50	4.2U	5.9	4.2U	4.2U	4.2U	4.2U	4.2U	4.2U
SILVER	183	1.3U-UJ	1.3U-UJ	1.3U-UJ	1.3U-UJ	1.3U-UJ	1.3U-UJ	1.3U-UJ	1.3U-UJ
SODIUM	NA	2,600	6,200	4,600	12,000	33,000	4,200	4,100	10,000
THALLIUM	2	5.8U-UJ	5.8U-UJ	5.8U-UJ	5.8U-UJ	5.8U-UJ	5.8U-UJ	5.8U-UJ	5.8U-UJ
VANADIUM	256	0.62U-UJ	0.62U-UJ	0.62U-UJ	0.62U-UJ	0.62U-UJ	1.7B-J	0.62U-UJ	0.62U-UJ
ZINC	11,000	10B	43	1.1U	3.1B	2.5B	7.4B	5.6B	2.5B

Notes

All results reported in ug/L.

Analyte Detections in Bold

*Tier 1 TRG for Chromium III

Definitions

TRG - Target Remediation Goal

Lab Qualifiers (Before Dash)

U - Analyte not detected

B - Estimated value. Analyte detected below the RL, but above the MDL

E - Value above upper calibration range.

Data Validation Qualifiers (After Dash)

B - The reported concentration is determined to be attributable to contamination introduced during field sampling or laboratory analysis

N - Tentative identification. Consider present. Special methods may be needed to confirm presence or absence.

J - Estimated value.

UJ - Not detected, however reporting limit (quantitation limit) may be inaccurate or imprecise and no bias can be determined

UL - Not detected; quantitation limit may be inaccurate or imprecise

Table E-4. CPHST ANPCL Monitoring Wells TAL Total Metals Analytical Results Summary: December 2014

Parameter	Tier 1 TRG	MW01-GW@9'	MW02-GW@9.5'	MW03-GW@9'	MW04-GW@11'	MW05-GW@27.5'	MW05S-GW@10'	MW05S-GW@10' DUP	MW06-GW@16.5'
ALUMINUM	36,500	10,000	31,000	6,600	51,000	3,200	160,000	200,000	1,100
ANTIMONY	6	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	3.6U-UJ	4B-J	3.6U-UJ
ARSENIC	50	13	19-B	33	160	6.6B-B	130	160	3.9U
BARIUM	2,000	31B,E-J	130-J	43B-J	78B-J	8.4B-B	280-J	340-J	12B-B
BERYLLIUM	4	0.18U-UJ	0.84B-J	0.18U-UJ	0.42B-J	0.18U-UJ	3.5B-J	4.3B-J	0.18U-UJ
CADMIUM	5	0.39U-UJ	0.39U-UJ	0.39U-UJ	0.39U-UJ	0.39U-UJ	0.95B-J	0.54B-J	0.39U-UJ
CALCIUM	NA	12,000	11,000	52,000	24,000	550B	29,000	31,000	8,500
CHROMIUM*	54,800	20	120	95	83	27	290	360	8B
COBALT	2,190	0.74B-J	25	1.8B-J	9.3B	0.57U-UJ	47	58	0.57U-UJ
COPPER	1,300	5.1B	32	20	23	5.3B	130	160	1.4B
IRON	11,000	14,000	18,000	78,000	110,000	9,300	100,000	130,000	720
LEAD	15	8.8	19	5	18-L	2.4B	93	120-L	1.9U
MAGNESIUM	NA	1,200	1,300	2,200	2,000	340B	2,400	2,700	880B
MANGANESE	730	39E-J	260-J	210-J	630-J	36-J	590-J	710-J	25-J
MERCURY	2	0.06U-UJ	0.21-J	0.072B-J	0.28-J	0.06U-UJ	1.1	1.3	0.06U-UJ
NICKEL	730	4.3B	40	20B	28	6.3B	82	100	1.2U-UJ
POTASSIUM	NA	720B	1,600	530B	2,200	880B	2,200	2,500	1,900
SELENIUM	50	4.2U-UJ	4.2U-UJ	34-B	4.2U-UJ	4.2U-UJ	9.9-B	12-B	4.2U-UJ
SILVER	183	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U	1.3U
SODIUM	NA	2,600	6,600	4,700	13,000	35,000	5,300	5,500	10,000
THALLIUM	2	5.8U	5.8U	9.6B-B	24-B	5.8U	7.9B-B	24-B	5.8U
VANADIUM	256	12	46	75	46-K	17	260	320-K	2B-J
ZINC	11,000	70E-J	190-J	27-J	40-J	2.4B-J	210-J	250-J	1.1U-UJ

Notes

All results reported in ug/L.
 Analyte Detections in Bold
 Tier 1 TRG Exceedances in shaded cells.
 *Tier 1 TRG for Chromium III

Definitions

TRG - Target Remediation Goal

Lab Qualifiers (Before Dash)

U - Analyte not detected
 B - Estimated value. Analyte detected below the RL, but above the MDL
 E - Value above upper calibration range.

Data Validation Qualifiers (After Dash)

J - Estimated value.
 K - Analyte present. Reported value may be biased high. Actual value is expected to be high
 UJ - Not detected, however reporting limit (quantitation limit) may be inaccurate or imprecise and no bias can be determined
 UL - Not detected; quantitation limit may be inaccurate or imprecise

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