3M Company
St. Paul, Minnesota

Construction Completion Report (RA Implementation Report)

Oakdale Site

Oakdale, Minnesota

December 2011

Revised February 2012

c-pfc3-16

11P-1200-1

CONSTRUCTION COMPLETION REPORT
(RA IMPLEMENTATION REPORT)

OAKDALE SITE
OAKDALE, MINNESOTA

DECEMBER 2011
Revised February 2012

Prepared for

3M Company
St. Paul, Minnesota 55144

Prepared by
Weston Solutions, Inc.
West Chester, Pennsylvania 19380

W.O. No. 02181.202.024

OAKDALE, MINNESOTA
CONSTRUCTION COMPLETION CERTIFICATIONS

Soil Alternative S-3

- Construction mobilization commenced the week of December 2, 2010. Excavation activities were completed on May 3, 2011, with the hauling of excavated material completed on June 1, 2011. The final site survey was conducted on July 19, 2011.

- The limits of soil removal, as specified in the February 2009 Remedial Design/Response Action (RD/RA) Plan for the Oakdale Site, were all met or surpassed.

- 2,211 truckloads, equaling 27,951 cubic yards (51,367 tons) of material, were hauled to the SKB Landfill in Rosemount, Minnesota. All excavated material was acceptable for disposal at the SKB Landfill.

- The work was performed with no lost time, injuries, or near misses.

- Notification to MPCA of project completion of Soil Alternative S-3, Groundwater Alternative GW-1, and Sitewide Alternative SW-2 (as noted below) on October 3, 2011.

Groundwater Alternative GW-1

Upon completion of soil excavation activities, the final components of Groundwater Alternative GW-1 were installed on the north side of Highway 5 in accordance with the RD/RA Plan and included:

- Replacement of monitoring wells W-21 and W-26 with monitoring wells W-21R and W-26R the week of August 29, 2011.

- Installation of extraction well PW-26 the week of August 29, 2011, with operation of the well commencing on October 3, 2011.

- Site decommissioning activities, including removal of drummed cuttings generated during well installation and silt fencing, were completed on October 25, 2011.

Sitewide Alternative SW-2

- 3M is working with the MPCA to finalize the required deed restriction/environmental covenant for the Site.

- The construction fence around the remediation area was installed in 2007 to control access during project activities and was maintained throughout construction activities. It was removed by November 2, 2011.

- In accordance with the RD/RA Plan, the Groundwater and Surface Water Sampling Plan for the Former Oakdale Disposal Site has been prepared and addresses MPCA's comments received on January 13, 2011. MPCA has agreed that the first monitoring event will be conducted during the first quarter 2012.

J. R. Kotsmith	Manager, Environmental Projects 3M Corporate Environmental Programs	11/23/11
James R. Kotsmith, P.E., QEP 3M Company	(Title)	(Date)
	Technical Director Weston Solutions, Inc.	11/29/11
Michael H. Corbin, P.E., DEE Weston Solutions, Inc.	(Title)	(Date)
	Principal Project Manager Weston Solutions, Inc.	11/29/11
Jaisimha Kesari, P.E., DEE Weston Solutions, Inc.	(Title)	(Date)

TABLE OF CONTENTS

TABLE OF CONTENTS (CONTINUED)

LIST OF APPENDICES

LIST OF TABLES

Title

LIST OF FIGURES

Title

LIST OF FIGURES (CONTINUED)

LIST OF ACRONYMS

3M	3M Company
acfm	actual cubic feet per minute
amsl	above mean sea level
AOC	area of contamination
bgs	below ground surface
Bolander	Carl Bolander & Sons Co.
BTEX	benzene, toluene, ethylbenzene, xylene
CCR	Construction Completion Report
CRZ	Contaminant Reduction Zone
CSP	Construction Sampling Plan
DNR	Minnesota Department of Natural Resources
dBA	decibel
DPT	direct push technology
EPA	U.S. Environmental Protection Agency
FC	fluorochemical
FS	feasibility study
ft bgs	feet below ground surface
GAC	granular activated carbon
GPS	global positioning system
HAP	hazardous air pollutant
HASP	Health and Safety Plan
HDPE	high density polyethylene
ISO/IEC	Industrial Operating Standards/International Electrotechnical Commission
LKD	lime kiln dust
MCES	Metropolitan Council of Environmental Services
MDD	Minnesota Decision Document
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic meter
MPCA	Minnesota Pollution Control Agency
NPDES	National Pollutant Discharge Elimination System
PCB	polychlorinated biphenyl
pDR	personal DataRam
PFBA	perfluorobutanoic acid
PFBS	perfluorobutane sulfonate
PFC	perfluorochemical

LIST OF ACRONYMS (CONTINUED)

PFDA	perfluorodecanoic acid
PFD_OA	perfluorododecanoic acid
PFH_PA	perfluoroheptanoic acid
PFH_XA	perfluorohexanoic acid
PFHxS	perfluorohexanesulfonate
PFNA	perfluorononanoic acid
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
PFOSA	perfluorooctane sulfonamine
PFP_eA	perfluoropentanoic acid
PFU_nA	perfluoroundecanoic acid
PID	photoionization detector
PLC	Programmable Logic Controller
POTW	publicly owned treatment works
PPE	personal protective equipment
ppm	parts per million
psi	pounds per square inch
QAPP	Quality Assurance Project Plan
RA	response action
RCRA	Resource Conservation and Recovery Act
RD/RA	remedial design/response action
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
SDR	Standard Dimension Ratio
SKB Landfill	SKB Environmental Industrial Landfill
SP	sampling point
SRV	soil reference value
SVE	soil vapor extraction
SVOC	semivolatile organic compound
TCLP	toxicity characteristic leaching procedure
VBWD	Valley Branch Watershed District
VOC	volatile organic compound
WESTON®	Weston Solutions, Inc.
WWTP	wastewater treatment plant

1. INTRODUCTION

On behalf of the 3M Company (3M), Weston Solutions, Inc. (WESTON®) has prepared this Construction Completion Report (CCR) for the 3M Oakdale Site in Oakdale, MN. 3M is submitting this document to the Minnesota Pollution Control Agency (MPCA) in accordance with the following:

1. The May 2007 Settlement Agreement and Consent Order (Agreement) between 3M and the MPCA, and
2. The requirements of the approved *Remedial Design/Response Action Plan: Oakdale Site* (RD/RA Plan) (WESTON, 2009a).

Construction activities were completed in accordance with the RD/RA Plan submitted to the MPCA in February 2009.

This document (and the associated reference documents) meet the requirement in the Agreement for submission of a Response Action (RA) Implementation Report for all RD/RA activities at the Oakdale Site.

1.1 BACKGROUND

1.1.1 Site History

Since 1980, 3M has cooperated with the MPCA in the investigation and remediation of the Oakdale Site. The site consisted of three former waste disposal areas, identified as the Abresch, Brockman and Eberle areas. The sites had received wastes from the 3M St. Paul area facilities, the 3M Cottage Grove, Minnesota facility, and other companies/entities from the 1940s to 1960. Investigations and any follow-up actions have been previously completed for the Brockman and Eberle areas. The subject of this CCR is the Abresch area (Figure 1-1).

In July 1983, 3M entered into a Consent Order with the MPCA and the United States Environmental Protection Agency (EPA) to perform remedial actions at the site. Subsequently, 3M removed waste materials and affected soils from the site and, in 1985, installed a groundwater recovery system to contain/remove shallow groundwater affected by volatile

organic compounds (VOCs) and other constituents at, and adjacent to, suspected source areas. 3M has operated the groundwater recovery system continuously since 1985 to contain/remove the shallow groundwater affected by the VOCs. 3M conducts routine groundwater monitoring to track remediation progress. Monitoring data and hydraulic gradient evaluations have demonstrated effective capture of VOCs.

1.1.2 Perfluorochemical Program

Since 2004, 3M has been working with the MPCA to assess the presence and extent of perfluorochemicals (PFCs) at the Site. 3M conducted an initial screening level sampling of the Site in August 2004, and PFCs were detected in the discharge from the existing groundwater recovery system. Subsequently, in March 2005 and from November 2005 to March 2006, after receiving MPCA approval, 3M implemented enhanced sampling activities at the Site.

Following discussion regarding the results of the enhanced sampling with MPCA, additional field work was performed by WESTON at the Site in December 2006. The objectives of the field work were as follows:

- Refine the understanding of the site hydrogeology and evaluate the effectiveness of the existing groundwater extraction wells, and
- Collect additional soil samples from the area north of Highway 5 for PFC analysis and evaluate possible response actions for this area.

In discussions with the MPCA, it was agreed that two reports would be prepared. The first report would address the effectiveness of the groundwater recovery system. Accordingly, the *Assessment of the Effectiveness of the Existing Groundwater Recovery System* report was submitted to the MPCA on April 9, 2007 (WESTON, 2007a). The second report would present the findings of the remaining assessment activities along with the proposed response actions for the Site. The second report, the *Remedial Investigation Report [Soil Supplemental FC Data Assessment – Addendum I*] (RI Report), was submitted to the MPCA on June 15, 2007 (WESTON, 2007b).

During this timeframe, 3M entered into a Settlement Agreement and Consent Order (Agreement) with one of the purposes being the provision of remedial investigations and response actions to

address PFCs at the Site. The Agreement became effective on May 22, 2007. It outlined that 3M would conduct a Remedial Investigation/Feasibility Study (RI/FS) and prepare an RD/RA Plan with respect to the release or threatened release of PFCs at and from the Site.

In the Agreement, MPCA recognized that 3M had already completed a significant amount of work at the Site in partial fulfillment of the RI/FS requirements. Accordingly, the RI program for the Site consisted of the following documents, and provided the basis for the Feasibility Study (FS); collectively, the documents were referenced as the RI program:

- *Groundwater Data Assessment Report Fluorochemical (FC) Investigation: Oakdale Site* (WESTON, 2005).
- *Supplemental Fluorochemical Data Assessment Report; Oakdale Site* (WESTON, 2006).
- *Assessment of the Effectiveness of the Existing Groundwater Recovery System: Former 3M Oakdale Disposal Site* (WESTON, 2007a).
- *Remedial Investigation Report [Soil Supplemental FC Data Assessment – Addendum I*] (WESTON, 2007b).

Submission of the Remedial Investigation (RI) Report in June 2007 completed 3M's RI obligation. A summary of the field activities performed in July/August 2007 and of the data generated was provided in the *Feasibility Study: Oakdale Site* (FS Report), which was submitted to the MPCA in January 2008 (WESTON, 2008a).

In accordance with the Agreement, the FS provided an evaluation of various response action alternatives, which address PFCs in soil and groundwater at the Site, and a recommendation for implementation. In a letter to 3M dated March 13, 2008, the MPCA approved the Oakdale FS Report, with modifications. Specifically, the MPCA requested that additional information be provided concerning the final disposal location and handling of non-hazardous PFC-containing soil. Accordingly, in April 2008, 3M submitted an addendum to the FS Report entitled *Addendum to the Feasibility Studies for the Oakdale, Woodbury and Cottage Grove Sites, Minnesota* (Addendum 1) (WESTON, 2008b), which provided a description of the off-site disposal locations reviewed and considered, along with the recommended facility. The recommended facility was the SKB Environmental Industrial Landfill (SKB Landfill) in

Rosemount, MN, where a separate engineered cell would be constructed to contain the excavated PFC-containing materials from the 3M Minnesota Sites (i.e., Oakdale, Woodbury and Cottage Grove Sites).

In May 2008, the MPCA issued the *Proposed Cleanup Plan for PFCs* (Proposed Plan) for the Oakdale Site, issued a public notice in the Oakdale/Lake Elmo Review, and held a public meeting on May 22 to present its recommended alternatives as follows:

- Sitewide Alternative SW-2: Institutional controls, access restriction and groundwater monitoring.
- Groundwater Alternative GW-1: Enhanced groundwater recovery; GAC pretreatment prior to discharge to the Metropolitan Council Environmental Services (MCES) wastewater treatment plant (WWTP).
- Soil Alternative S-3: Excavation from 0 to 4 feet, enhanced soil removal from 4 feet to the water table, and disposal at an existing off-site landfill.

The MPCA also indicated in the Proposed Plan that the SKB Landfill facility met the requirement of the Agreement for an isolated, engineered permitted facility to contain the excavated PFC-containing material. The public was given the opportunity to provide written and oral comments on the proposed remedy.

One of the comments discussed during the public meeting and in written comments concerned the potential generation of odors during excavation activities since the area to be excavated does contain some VOCs and is in close proximity to residential areas. To address this issue, 3M proposed in a letter to the MPCA dated July 2, 2008, to install a temporary soil vapor extraction (SVE) system in a portion of the planned excavation area to reduce the levels of VOCs, and thus, reduce potential odor problems when excavation commenced. The MPCA approved this proposal in a letter to 3M dated July 23, 2008, with requests for additional information. 3M provided to MPCA the requested information in a letter dated August 5, 2008. Final approval for SVE installation was received on August 20, 2008. The installation and performance of the SVE system operation are described in Section 2 of this CCR.

On November 4, 2008, the MPCA indicated its selection of final response actions in the *Minnesota Decision Document for the Oakdale Site* (MDD) (MPCA, 2008b). The selected final

response actions were consistent with those presented in the Proposed Plan, including Sitewide Alternative SW-2, Groundwater Alternative GW-1, and Soil Alternative S-3, as described above. The MPCA transmitted the signed MDD to 3M in its letter dated November 19, 2008.

In February 2009, 3M submitted to the MPCA the *Remedial Design/Response Action Plan for the Oakdale Site, Oakdale, Minnesot*a (RD/RA Plan) (WESTON, 2009). The RD/RA Plan contained the design and plan for implementing the selected response actions presented in the MDD. In a letter to 3M dated April 24, 2009, the MPCA provided approval of the RD/RA Plan, with comments.

As presented in the RD/RA Plan, the major elements of the response actions at the Oakdale Site consist of the following:

- Excavation of soil from 0 to 4 feet, enhanced soil removal in areas with greater than 6 parts per million (ppm) perfluorooctane sulfonate (PFOS) from 4 feet to the water table, and disposal at an existing off-site landfill in accordance with Soil Alternative S-3.
- Enhanced groundwater recovery, with pretreatment of groundwater prior to discharge to the sanitary sewer in accordance with Groundwater Alternative GW-1.
- Implementation of institutional controls, access restriction and groundwater monitoring in Sitewide Alternative SW-2.

Due to the length of time required for implementation and completion of the entire RD/RA Plan program, it was agreed between 3M and MPCA that Construction Completion Reports (CCRs) would be prepared for each major response action element when completed. Thus, two CCRs would be submitted to the MPCA for the Oakdale Site, one for the groundwater response actions and a second for the site soil excavation and sitewide response actions. The partial completion of the groundwater response actions at the Oakdale Site was documented in the *Construction Completion Report (RA Implementation Report) Groundwater Extraction and Treatment System: Oakdale Site* (WESTON, 2010a) (Groundwater CCR), which was submitted to the MPCA on August 9, 2010 and approved by MPCA in a letter to 3M dated October 5, 2010. The remaining response actions are documented in this CCR.

The excavation and off-site disposal of soils from the Oakdale Site were performed in winter/spring 2011. Final grading and revegetation of backfilled and disturbed areas were

completed in summer 2011. Thus, this CCR provides documentation of the completion of the response action activities under Soil Alternative S-3 (see Section 3). This CCR also provides a summary of the completion of the required activities under Groundwater Alternative GW-1 (see Section 4) and Sitewide Alternative SW-2 (see Section 5). Accordingly, this document completes the 2007 Agreement requirement for submission of an RA Implementation Report for the Oakdale Site.

1.2 SOIL ALTERNATIVE S-3

The following is a description of Soil Alternative S-3 as presented in the RD/RA Plan for the Oakdale Site. The horizontal and vertical limits of excavation were defined in the FS, and the area was based on the results of the analytical sampling that was completed during the RI. The horizontal limit of excavation was delineated by locations where RI soil samples contained greater than 1 ppm PFOS. The FS defined the vertical limits of excavation to be the groundwater table (between 8 feet and 12 feet below ground surface [ft bgs]) in the eastern portion of the delineated area of the Site where RI soil samples contained greater than 6 ppm PFOS. The area of deeper excavation in the eastern portion of the delineated area of the Site is referred to as the area of enhanced soil removal. In the remaining area (western portion of the delineated area), the excavation extended to 4 ft bgs.

Since groundwater fluctuation was expected to occur in response to seasonal effects and precipitation events, final excavation depth in the eastern excavation area would be determined based on field conditions at the time of excavation. The vertical limits of excavation are discussed in further detail in Section 3.6.

To reduce the mass of PFCs at the Oakdale Site, accessible and potentially accessible soil would be removed for off-site disposal, as shown in Figure 1-2. The MPCA defines accessible soils as soils from 0 to 4 ft bgs and potentially accessible soils as soils from 0 to 12 ft bgs (MPCA, 1998). The RD/RA specifically stated that the final excavation depths would not extend into groundwater and noted that an approximate 1-foot buffer would be maintained between the bottom of the excavation and the field-identified groundwater table.

It is important to note that Soil Reference Values (SRVs) for perfluorooctanoic acid (PFOA) and PFOS were revised on June 22, 2009 after the RD/RA Plan was submitted to MPCA. The Industrial SRV for PFOA was revised from 23 to 13 milligrams per kilogram (mg/kg) (or parts per million [ppm]). The Industrial SRV for PFOS was revised from 12 to 14 ppm. As a result of the SRV revisions, the soil analytical data for the Oakdale Site were reviewed. This review indicated that there were no additional areas where PFC concentrations were greater than the revised SRVs beyond the limits of the excavation, which were already presented in the RD/RA Plan.

Based on this information, Soil Alternative S-3 included the following components at the Oakdale Site:

- Excavation of soils in the delineated area to 4 ft bgs.
- Enhanced (deeper) excavation in the eastern portion of the delineated area to 1 foot above the water table.
- Backfilling the excavation with clean fill and topsoil, and grading the area to facilitate stormwater drainage.
- Transporting the excavated soil to an existing permitted landfill to provide engineered isolation and containment of PFCs for these materials.

Excavated soils would be transported to the SKB Landfill in Rosemount, MN, subject to the landfill's acceptance criteria. Soil not meeting SKB's permit criteria would be segregated and disposed at a separate and appropriate off-site facility.

Section 3 of this report documents the completion of all elements of Soil Alternative S-3.

1.3 GROUNDWATER ALTERNATIVE GW-1

The following is a description of Groundwater Alternative GW-1 as presented in the RD/RA Plan for the Oakdale Site. Based on groundwater modeling, which is discussed in detail in the FS Report, it was anticipated that 14 new extraction wells would need to be installed at the Site to provide hydraulic containment of PFCs in groundwater. One of these wells would be installed on the north side of Highway 5 and the remaining 13 extraction wells would be installed on the south side. The new extraction wells would be completed in coarser (higher yielding) materials

at depth to recover groundwater containing PFCs more rapidly while acting as a "drain" to remove water from the lower yielding shallow alluvium.

It was estimated that a total flow of approximately 50 to 55 gpm would be extracted from the 14 new extraction wells. The groundwater extraction system would need to be operated such that the adjoining wetlands and water in the drainageway are maintained to the extent possible. The extraction wells would be routed to the area of the existing groundwater discharge building.

Groundwater from the existing and the proposed wells would be connected to a new system to treat PFCs. Treated groundwater would be discharged to the publicly owned treatment works (POTW), in accordance with a modified discharge permit.

As stated previously, the components of GW-1 implemented south of Highway 5 were documented in the Groundwater CCR submitted to MPCA on August 9, 2010. Elements of GW-1 required to be implemented north of Highway 5 could not be completed until after excavation and backfill activities were completed (specifically, installation of extraction well PW-26 and re-installation of monitor wells W-21 and W-26). Section 4 of this report documents the completion of the remaining elements of Groundwater Alternative GW-1.

1.4 SITEWIDE ALTERNATIVE SW-2

The following is a summary of the Sitewide Alternative SW-2 presented in the RD/RA Plan for the Oakdale Site:

- The Site has been used for commercial/industrial purposes and will need to retain this use. Institutional controls such as a deed restriction/environmental covenant can be used as an instrument to ensure that the Site retains commercial/industrial future use and to prevent activities that may lead to an exposure to PFCs or affect the functioning of the selected remedy. The Site has multiple zoning classifications, and this may need to be addressed as part of the deed restriction process. 3M will complete an evaluation of existing deed restrictions and/or environmental covenants and ensure that measures are in place to comply with the Minnesota Uniform Environmental Covenants Act, Minn. Stat. Ch. 114E.

- The existing fence at the Site restricts access during remediation activities.

- Long-term groundwater monitoring, surface water monitoring of Raleigh Creek, and pretreated water discharge monitoring will occur.

Section 5 of this report documents the completion of the elements of Sitewide Alternative SW-2.

1.5 PURPOSE OF THE CONSTRUCTION COMPLETION REPORT

The purpose of this CCR is to document the response actions that have been completed at the Oakdale Site. This CCR is the second of two CCRs for the Oakdale Site. The Groundwater CCR documented the partial completion of groundwater response actions at the Oakdale Site, and was submitted to the MPCA in August 2010. It was approved by MPCA on October 5, 2010. The remaining components of the response actions at the Oakdale Site are addressed in this document with the exception of the finalized deed restrictions/environmental covenants for the Site, which are being prepared and will be completed for submission to the MPCA. Together, these two CCR documents complete the 2007 Agreement requirements for submission of an RA Implementation Report for the Oakdale Site, and no further RA Implementation Report submissions are anticipated.

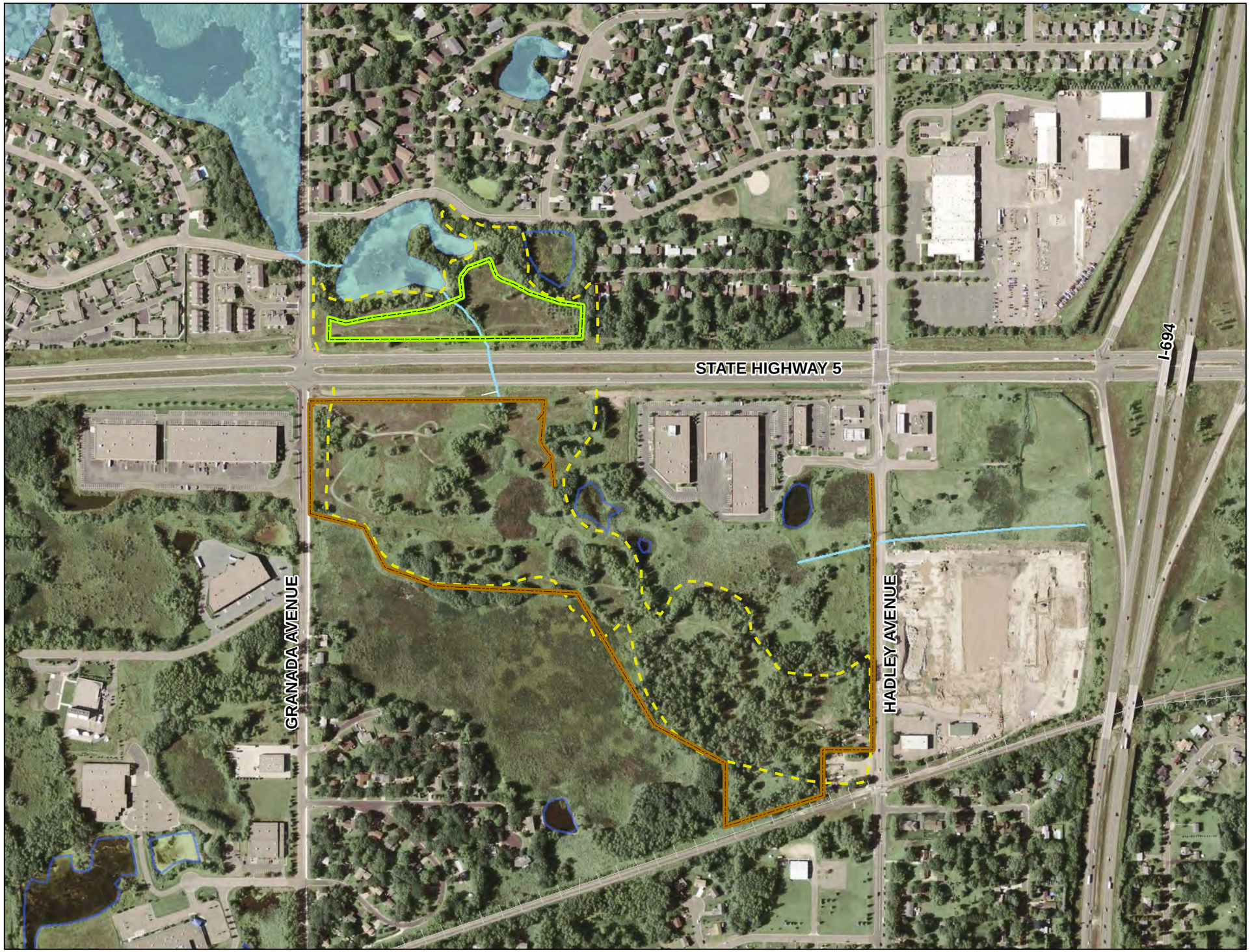
1.6 RESPONSE ACTION OBJECTIVES

In accordance with the Minnesota Decision Document (MDD), the objectives of the response actions at the Oakdale Site were:

- To eliminate unacceptable exposures to PFCs in soil.
- To reduce unacceptable exposures to PFCs in groundwater.
- To reduce PFC concentrations in the surface water.
- To re-establish an open space as a natural asset to the community.

Once the deed restrictions/environmental covenants are completed for the Site, all response action objectives for the Oakdale Site will be completed. At that time, and in accordance with Section IV of Exhibit D of the 2007 Agreement, it is anticipated that the MPCA will issue a notification that all site-specific response action objectives and cleanup levels have been met.

SECTION 1
FIGURES



Legend

- Fenceline
- Drainageway
- Railroad
- Inferred Limits of the Abresch Area
- North Area and Construction Fence
- Ponds and Water

Map Source:
ESRI, Bing Mapping Service

N
W E
S

0 225 450 900
Feet

Figure 1-1
Site Features Map
Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\basemap_tabloid.mxd, 11/9/2011 9:30:27 AM, ricksc

Legend

- Water Table Monitoring Well
- Fenceline
- Excavate to 4 Feet Below Grade
- Excavation to 1 Foot Above Groundwater Table
- Inferred Limits of the Abresch Area

Map Source:
ESRI, Bing Mapping Service

N
W E
S

0 100 200
Feet

Figure 1-2
Soil Alternative S-3

Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\impacted_soil_alt3_v2.mxd, 11/9/2011 2:48:02 PM, ricksc

2. INTERIM RESPONSE ACTION – SOIL VAPOR EXTRACTION (SVE)

2.1 BACKGROUND

As discussed in the RD/RA, 3M received final approval from the MPCA on August 20, 2008 to install and operate a temporary SVE system as an Interim Response Action at the Oakdale Site. This action was granted by the MPCA in part to address the anticipated generation of odors from the VOCs in the soils expected to be encountered during excavation activities. The operation of the temporary SVE system prior to excavation, combined with field techniques during construction (i.e., controlled excavation, placement of daily cover [i.e., soil, plastic, etc.], application of a mist or spray, dust control, etc.) was successful in suppressing odors in the vicinity of the Site. It should be noted that based on known physical/chemical properties, the volatilization of PFCs would not be expected.

SVE is a proven technology for removing VOCs from vadose zone soils. Removal and control of VOCs would reduce the source of VOC odors that could be produced during excavation at the Site. Figure 2-1 depicts the basic components of SVE. As shown in Figure 2-1, vents are installed into the unsaturated zone soils within the treatment area, and these vents are connected via manifolds to the suction (inlet) side of the blower. The subsurface portion of the vents is screened so that the induced vacuum draws in vapor from the surrounding soil and the area around the top of the vents is sealed. Soil vapor containing VOCs is drawn by the suction blower through a knockout pot to remove entrained moisture and subsequent treatment in a control device prior to releasing the vapors to the atmosphere.

2.1.1 Temporary SVE System Installation

During the week of August 25 to August 27, 2008, 22 SVE vents were installed in the eastern portion of the planned excavation area at locations shown in Figure 2-2 (the initial locations). The SVE vent depths, ranging from 7.9 to 8.8 ft bgs, were adjusted in the field based on the visual observations and the potential for encountering groundwater at each location. The design installation objective was to install the screened portion of the vents above the water table in the vadose zone. Soil cuttings were visually inspected during construction for signs of discoloration

and waste material. The cuttings were containerized and placed in the staging area south of Highway 5 for future disposal profiling and off-site disposal during the soil excavation activities. Table 2-1 is a summary of the SVE vent construction data.

Following completion of the vents, Schedule 40 PVC piping was installed aboveground to connect individual vents to the trailer-mounted SVE treatment system. The SVE treatment system consisted of a moisture knockout pot inside the trailer to remove moisture from the extracted soil vapor, two 1,500-lb vapor phase granular activated carbon (GAC) units connected in series (lead and lag configuration) outside the trailer to treat the extracted soil vapor for removal of VOCs, and a suction blower inside the trailer enclosure to draw the air from the vents and through the piping and SVE equipment. The GAC units were installed prior to the blower to remove potentially flammable compounds and minimize their associated potential explosion hazard during the initial startup period when the concentrations would be the highest. Once the vapor concentrations decreased, the GAC units were repositioned to the discharge side of the blower so the blower could operate at higher vacuum conditions. Installation of the SVE system was completed on October 21, 2008 followed by startup. Figure 2-2 shows the layout of the SVE vent system and the location of the trailer enclosure containing the blower and associated equipment. Photographs 1 and 2, provided in Appendix A, show components of the SVE system.

In June 2009, WESTON completed the initial soil disposal profiling sampling within the excavation footprint at the Oakdale Site, in accordance with the RD/RA. 3M summarized the results of the June 2009 sampling data and requested approval to expand the SVE system in a letter to the MPCA dated September 25, 2009. MPCA approved the request for expansion on October 13, 2009. As a result, WESTON expanded the SVE system, and an additional 43 vents were installed in October 2009. The additional SVE vents were installed to depths ranging from 8 to 12 ft bgs with approximately 5 feet of screen at the base of each vent. These vents were constructed in the same manner as the previously installed vents and were connected to the existing system manifold piping in October 2009. The locations of these vents are shown on Figure 2-2.

Following the installation of the additional SVE vents, the SVE system trailer was replaced with a more powerful trailer-mounted blower system (previously used as part of the former Woodbury Site SVE system) and a thermal oxidizer system was installed to treat the off-gas. This thermal oxidizer system began operation on December 21, 2009 and remained in operation until the SVE system was decommissioned.

The second round of soil disposal profiling was completed in July 2010. Data from this event confirmed VOC removal; however, the data indicated that the system should continue operation to remove additional VOCs. In November 2010, WESTON completed the third and final round of soil disposal profile sampling. The confirmatory soil sampling results were used to measure the effectiveness of the SVE system in reducing soil VOC concentrations and to refine disposal parameters. The corresponding soil disposal profile block diagram and analytical results (see Section 2.2) were included in a waste determination request letter submitted by 3M on December 9, 2010 for MPCA approval. MPCA approved 3M's waste determination request in a December 17, 2010 response.

2.1.2 Temporary SVE System Operation

Startup and shakedown of the SVE system was conducted from October 21 to 31, 2008. After startup and shakedown, except for periodic maintenance, automatic shutdown, GAC changeout and other downtime, the SVE system was in operation 24 hours/day, 7 days/week. The only extended shutdown of the system occurred between December 3 and 21, 2009, when the system was shut down, expanded and re-started. On November 22, 2010, the SVE system was shut down permanently in preparation for excavation activities. The following is a summary of the key SVE operational parameters for the period of operation:

- The first two weeks of operation after shakedown (until November 14, 2008), the system operated only on weekdays (Monday – Friday) so that operational conditions could be confirmed.
- The SVE system operated approximately 14,800 hours: approximately 7,200 hours in the initial configuration (i.e., with 22 vents), and an additional 7,600 hours in the expanded configuration (i.e., with 65 vents).

- The average total air flow rate was generally between 185 and 350 actual cubic feet per minute (acfm) in the initial configuration, and between 300 and 700 acfm in the final expanded configuration.

- The approximate mass of VOCs removed was 26,900 lb.

- The SVE emissions prior to treatment by the GAC or thermal oxidizer were well below the MPCA Hazardous Air Pollutant (HAP) or VOC emission thresholds.

- The initial system configuration required 35 GAC changeouts, averaging a carbon changeout event approximately every week and a half. The GAC system was removed when the thermal oxidizer was installed in December 2009.

During SVE operation, operational parameters, including flow and VOC measurements, were measured to track system performance. The VOC measurements were obtained with a photoionization detector (PID) and Summa canister air samples. These VOC measurements and flow measurements were collected on a regular basis in accordance with the MPCA-approved SVE design.

Soil vapor total VOC concentrations were obtained at the individual vents using a PID. PID and flow rate measurements were also collected from the main pipe at the system inlet, between the lead and lag GAC units and at the discharge of the lag GAC vessel. The PID measurements were used to determine the need for GAC vessel change-out, generally scheduled when the measurement between the vessels was 50 to 75% of the inlet measurement. PID outlet measurements were also recorded.

Summa canister air samples were collected at the SVE system's discharge. In addition, during the first month of operation, at least one air sample was collected per week using a Summa canister, at the inlet of the GAC units. This was done to track VOC removal and to quantify specific organic compound concentrations. Throughout the SVE system operation, Summa canister samples continued to be collected at the inlet of the system at a frequency of 1 to 2 air samples per month. All samples were submitted to either Pace Analytical Services, Inc. or Test America Laboratories, Inc. for VOC analysis by EPA Method TO-15. The air sampling results were used to track the cumulative mass of VOCs removed and to quantify the specific organic compound concentrations, which included benzene, toluene, ethylbenzene, xylene (cumulatively known as BTEX), chlorinated VOCs, cyclohexane and heptane, and to verify that system

operation met the HAP requirements. Field notes and HAP calculations for the SVE system are provided in Appendix B.

Over time, VOC concentrations decreased in the soil vapor extracted. On November 15, 2010, the SVE system was shut down, and decommissioning of the aboveground portion of the system commenced in preparation for soil removal activities. The below ground portions of the system (i.e., vents) were removed with the excavated soils.

2.2 SOIL DISPOSAL PROFILE SAMPLING

In preparation for excavation activities, soil disposal profile sampling was conducted in June 2009, July 2010 and November 2010 for non-PFC parameters.

It is important to note that the SVE system continued to operate until November 22, 2010 within a portion of the excavation area to reduce the VOC concentrations in the soil. Therefore, for soil that was treated by SVE, only the more recent VOC results (July and November 2010) were considered representative for disposal profiling. All other parameter results that should not have been affected by the SVE system; e.g., semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals, were included from previous sampling events and were considered for disposal profiling. For soil in portions of the excavation area not treated by SVE, all previous VOC results were included and considered for disposal profiling. A tabular summary of the soil boring data (in situ data) used for disposal profiling is provided in Appendix C.

In June 2009, the initial soil disposal profile sampling was conducted consistent with the Construction Sampling Plan (CSP) (provided as Attachment 2 to the MPCA-approved RD/RA Plan for the Oakdale Site), which contains a description of the in situ soil sampling to be performed prior to excavation. The sampling locations are shown in Figure 2-3.

A total of 32 soil borings (SPA-1 through SPA-9 in Area A and SPB-1 through SPB-23 in Area B) were installed throughout the excavation area by direct push technology (DPT). In accordance with the CSP, at each soil boring, samples were collected in the 0 to 4 ft below ground surface (bgs) and 4 to 8 ft bgs, and below 9 ft bgs (where applicable) intervals.

Four of these borings were drilled during the installation of piezometers in the Area B (SPB-20 through SPB-23). The analytical results from these samples were applied to the soil grid they represented. In one instance, boring SPB-22 fell directly on the border between adjacent soil grids, and the analytical results from this soil boring were therefore applied to both soil grid locations (see Figure 2-3).

After a year of SVE operation and following the initial round of soil sampling, a second round (July 2010) of soil sampling was conducted at 15 locations (SB B-1, SB B-3, SB B-4, SB B-6, SB B-7, SB B-9 through SB B-15, and SB B-17 through SB B-19) to confirm the reduced VOC concentrations and to update the disposal profile VOC data for the SVE treated soil blocks. Soil sampling was conducted in soil blocks where the 2009 results indicated that soil concentrations exceeded the MPCA Industrial Tier 2 SRVs for VOCs or did not meet the toxicity characteristic leaching procedure (TCLP) VOC criteria.

After an additional four months of SVE operation, a final round (November 2010) of soil disposal profile sampling was conducted at 19 locations (A05RC, B01RC through B06RC, and B08RC through B19RC) where the July 2009 results indicated soil concentrations exceeded the Industrial Tier 2 SRVs for VOCs or did not meet the TCLP VOC criteria.

The only non-VOC related analytical result from the June 2009 sampling event that exceeded a regulatory standard was in the second layer (i.e., 4 to 9 ft bgs) of soil grid B11 (i.e., soil block B2-11 as shown in Figure 2-4). In this location, one sample (SPB-23) had a PCB result above 50 ppm (55.8 ppm); however, the PCB result from a second sample from the same soil block (SPB-11) was 11.8 ppm. The average of these PCB concentrations is 33.8 ppm. To verify the 2009 analytical results, three additional samples (two samples and a duplicate) were collected from adjacent soil block B2-12 during the July 2010 sampling event; these samples confirmed that the PCB concentration in this soil block was below 50 ppm.

Based on the in situ sampling results, soil blocks were classified as requiring additional ex situ sampling or as a solid waste. In accordance with the MPCA letter to Dakota County, dated August 19, 2009, “MPCA policy states that if contaminant concentrations in soils are below the Industrial Tier 2 Soil Reference value, that the soil does not contain a listed waste and thus can

be managed as a soil waste as long as the soil is not characteristically hazardous." Also, the SKB Landfill is not permitted to accept soils with a PCB concentration greater than 50 mg/kg (ppm) as a solid waste.

Based on the in situ sampling results, soil blocks were classified as solid waste or requiring ex situ sampling for final waste disposal profiling. In each soil block classified as requiring additional ex situ sampling (shown in purple in Figure 2-4), at least one constituent concentration was greater than the TCLP limit, contained a PCB concentration greater than 50 ppm, or contained certain waste constituents at concentrations greater than their Industrial Tier 2 SRVs. As discussed in the CSP, these soil blocks were placed in approximately 100 cubic yard stockpiles and sampled (ex situ) for further disposal profiling.

The soil blocks shown in yellow in Figure 2-4 were classified as solid waste because none of the soil samples collected within the blocks met or exceeded the TCLP limit, none contained a PCB concentration greater than 50 ppm, and none contained waste constituent concentrations greater than the Tier 2 Industrial SRVs.

In a letter dated December 9, 2010, 3M requested from the MPCA a determination whether the SKB Landfill would be able to accept soil classified as solid waste as well as stockpiled soil subjected to additional ex situ sampling that demonstrated it met solid waste criteria. MPCA responded to 3M in a letter dated December 17, 2010 with the following comments:

- "The assumption here is that the analytical results presented for each grid is representative of the soil in that grid. If there are indications that it is not, additional samples should be collected."
- "Soils identified by the in-situ sampling as being below Industrial SRVs for VOCs (except for petroleum related compounds, e.g. BTEX), below 50 ppm PCB, and showing no characteristics of a hazardous waste can be managed as a non-hazardous waste if disposed at the SKB landfill as approved by SKB."
- "Soil to be stockpiled should be stockpiled in the area of contamination (AOC) prior to ex-situ sampling and managed in a way to prevent further release."
- "Stockpiled soil may be treated in the AOC to lower VOC concentrations below Industrial SRV or to remove the hazardous waste characteristic. 3M should inform the MPCA how they intend to treat the soil if necessary prior to treatment. It is likely

that excavation and stockpiling of soil will decrease VOC levels in most cases. If ex-situ sampling results indicate that VOC levels in the stockpiled soil is below the industrial SRV, the soil no longer exhibits a characteristic, and contains less than 50 ppm PCB, the soil may be managed as a non-hazardous waste if disposed at the SKB landfill as approved by SKB."

Based on MPCA comments, the soil block figure for Oakdale did not need to be revised. In accordance with MPCA's December 17, 2010 waste determination letter, all of the soils excavated from the Site met solid waste criteria and were disposed at the SKB Landfill. This is discussed in detail in Section 3.5.

SECTION 2
TABLES

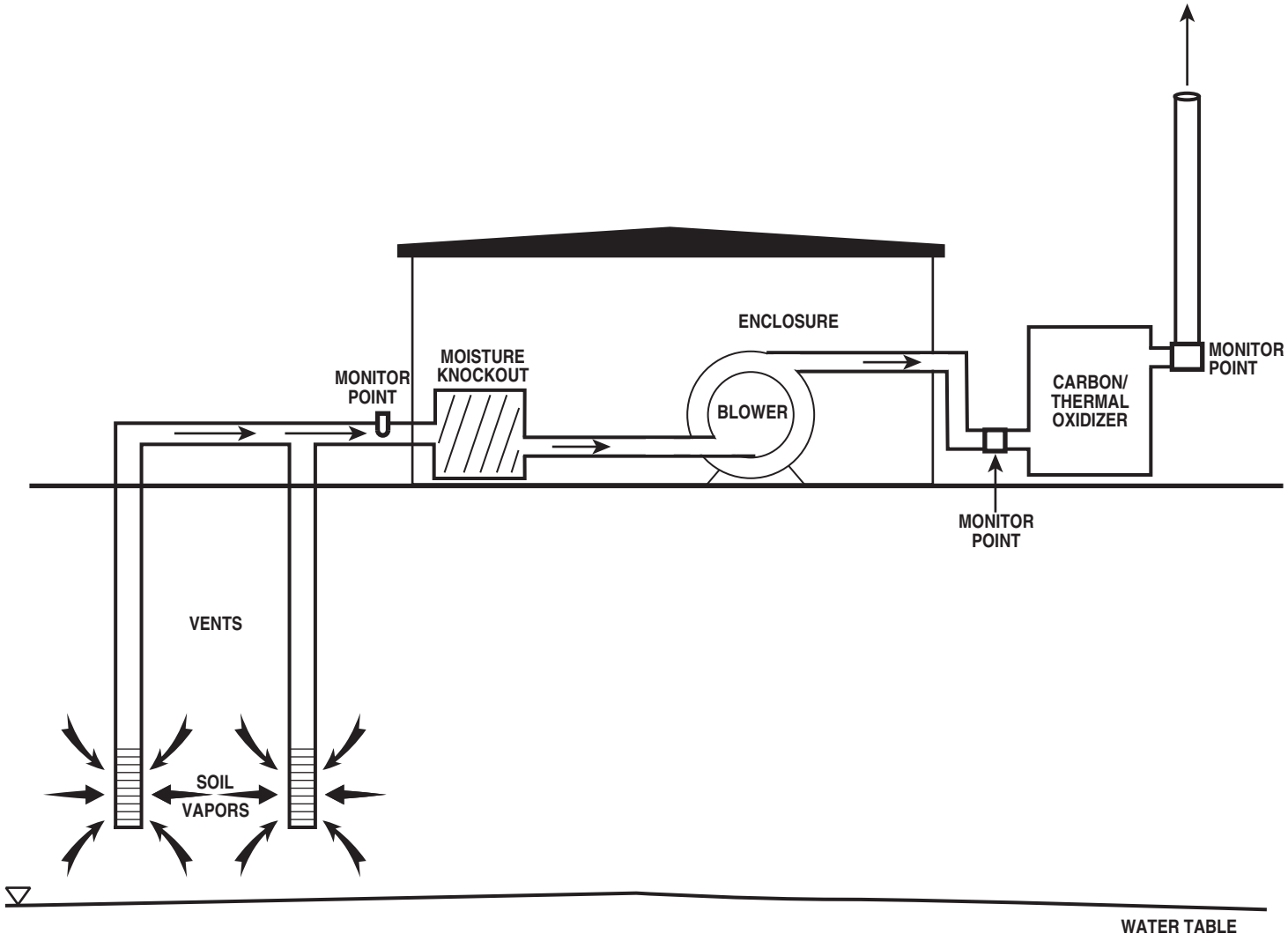
Table 2-1 SVE Vent Installation – Screened Intervals
Oakdale, MN

Vent ID	Installation Date	Screened Interval (ft bgs)
A-1	August 2008	3.0 - 8.0
A-2	August 2008	2.9 - 7.9
A-3	August 2008	3.4 - 8.4
A-4	August 2008	3.5 - 8.5
A-5	August 2008	3.5 - 8.5
A-6	August 2008	3.4 - 8.4
A-7	August 2008	3.5 - 8.5
A-8	August 2008	3.3 - 8.3
A-9	August 2008	3.4 - 8.4
A-10	August 2008	3.4 - 8.4
A-11	August 2008	3.4 - 8.4
A-12	October 2009	3.0 - 8.0
A-13	October 2009	5.0 - 10.0
A-14	October 2009	5.0 - 10.0
A-15	October 2009	4.0 - 9.0
A-16	October 2009	5.0 - 10.0
A-17	October 2009	7.0 - 12.0
A-18	October 2009	7.0 - 12.0
A-19	October 2009	7.0 - 12.0
A-20	October 2009	7.0 - 12.0
A-21	October 2009	7.0 - 12.0
A-22	October 2009	7.0 - 12.0
A-23	October 2009	7.0 - 12.0
B-1	August 2008	3.2 - 8.2
B-2	August 2008	3.2 - 8.2
B-3	August 2008	2.9 - 7.9
B-4	August 2008	3.0 - 8.0
B-5	August 2008	3.3 - 8.3
B-6	August 2008	3.5 - 8.5
B-7	August 2008	3.3 - 8.3
B-8	August 2008	3.5 - 8.5
B-9	August 2008	3.3 - 8.3
B-10	August 2008	3.1 - 8.1

Table 2-1 SVE Vent Installation – Screened Intervals Oakdale, MN (Continued)

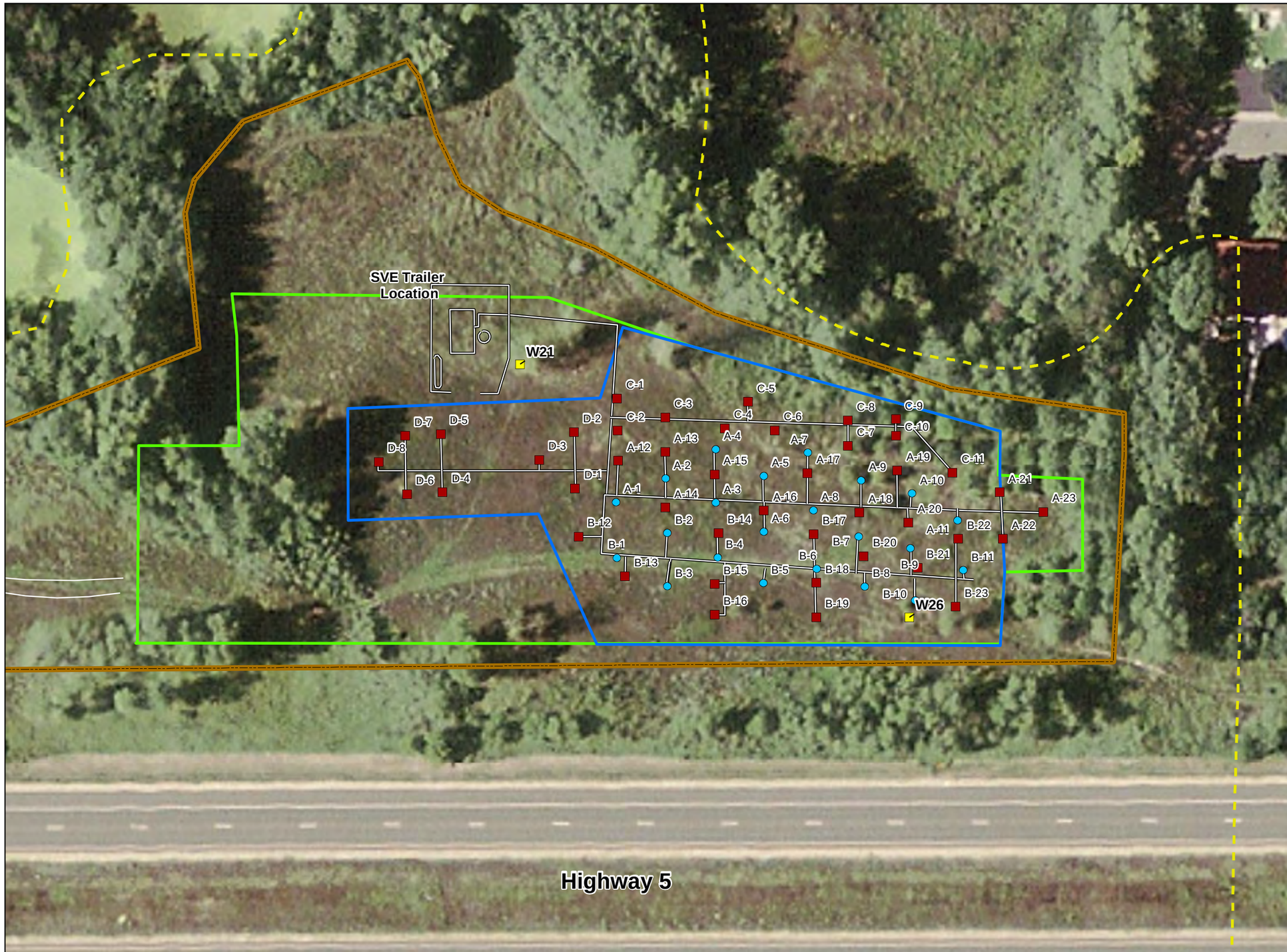
Vent ID	Installation Date	Screened Interval (ft bgs)
B-11	August 2008	3.4 - 8.4
B-12	October 2009	5.0 - 10.0
B-13	October 2009	5.0 - 10.0
B-14	October 2009	5.0 - 10.0
B-15	October 2009	5.0 - 10.0
B-16	October 2009	5.0 - 10.0
B-17	October 2009	7.0 - 12.0
B-18	October 2009	5.0 - 10.0
B-19	October 2009	5.0 - 10.0
B-20	October 2009	7.0 - 12.0
B-21	October 2009	7.0 - 12.0
B-22	October 2009	7.0 - 12.0
B-23	October 2009	5.0 - 10.0
C-1	October 2009	3.0 - 8.0
C-2	October 2009	3.0 - 8.0
C-3	October 2009	3.0 - 8.0
C-4	October 2009	5.0 - 10.0
C-5	October 2009	5.0 - 10.0
C-6	October 2009	5.0 - 10.0
C-7	October 2009	7.0 - 12.0
C-8	October 2009	7.0 - 12.0
C-9	October 2009	7.0 - 12.0
C-10	October 2009	7.0 - 12.0
C-11	October 2009	7.0 - 12.0
D-1	October 2009	3.0 - 8.0
D-2	October 2009	3.0 - 8.0
D-3	October 2009	3.0 - 8.0
D-4	October 2009	3.0 - 8.0
D-5	October 2009	3.0 - 8.0
D-6	October 2009	3.0 - 8.0
D-7	October 2009	3.0 - 8.0
D-8	October 2009	3.0 - 8.0

SECTION 2
FIGURES



08P-0097-8

FIGURE 2-1 SOIL VAPOR EXTRACTION SCHEMATIC



Legend

- Initial 2008 SVE Vent Location
- Additional 2009 SVE Vent Location
- Water Table Monitoring Well
- Fenceline
- SVE Header Pipe Route
- Inferred Limits of the Former Abresch Disposal Site Area
- Excavate to 4 Feet Below Grade
- Excavation to Groundwater Table

Map Source:
ESRI, Bing Mapping Service

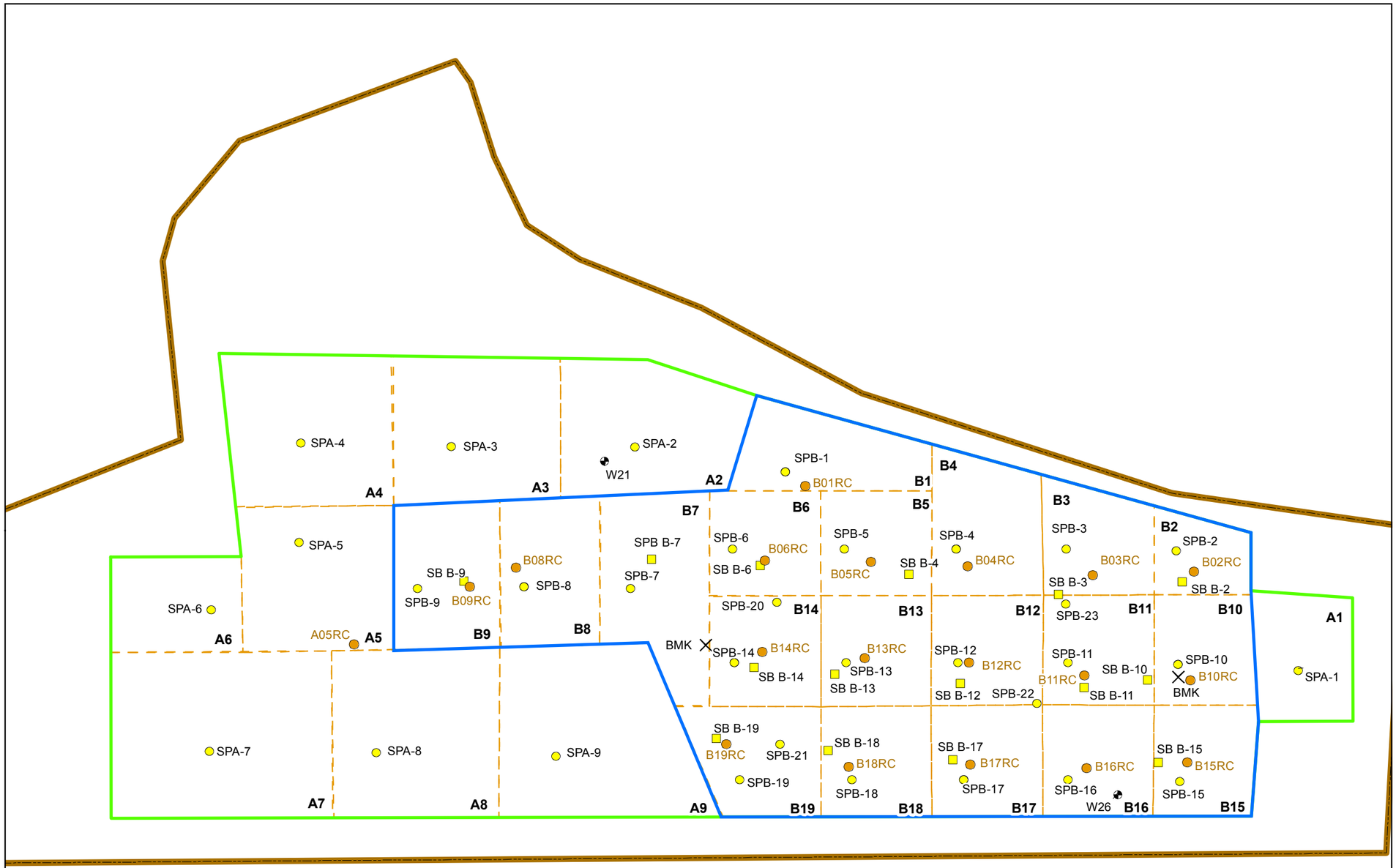
N
W E
S

0 30 60 120
Feet

Figure 2-2

SVE Treatment Area
Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\sve_layout_jan2010_label.mxd, 11/9/2011 9:30:03 AM, ricksc



Legend

- Water Table Monitoring Well (Abandoned)
- June 2009 Sampling Location
- July 2010 Sampling Location
- November 2010 Sampling Location
- Benchmark (BMK)
- Fenceline
- Excavation Soil Grid Lines
- Excavate to 4 Feet Below Grade
- Excavation to 1 Foot Above Groundwater Table

N W E S

0 50 100
Feet

Figure 2-3
In Situ Soil Profile
Sampling Locations

Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\insitu_soil_profile_samp_locs.mxd, 11/9/2011 9:32:28 AM, ricksc

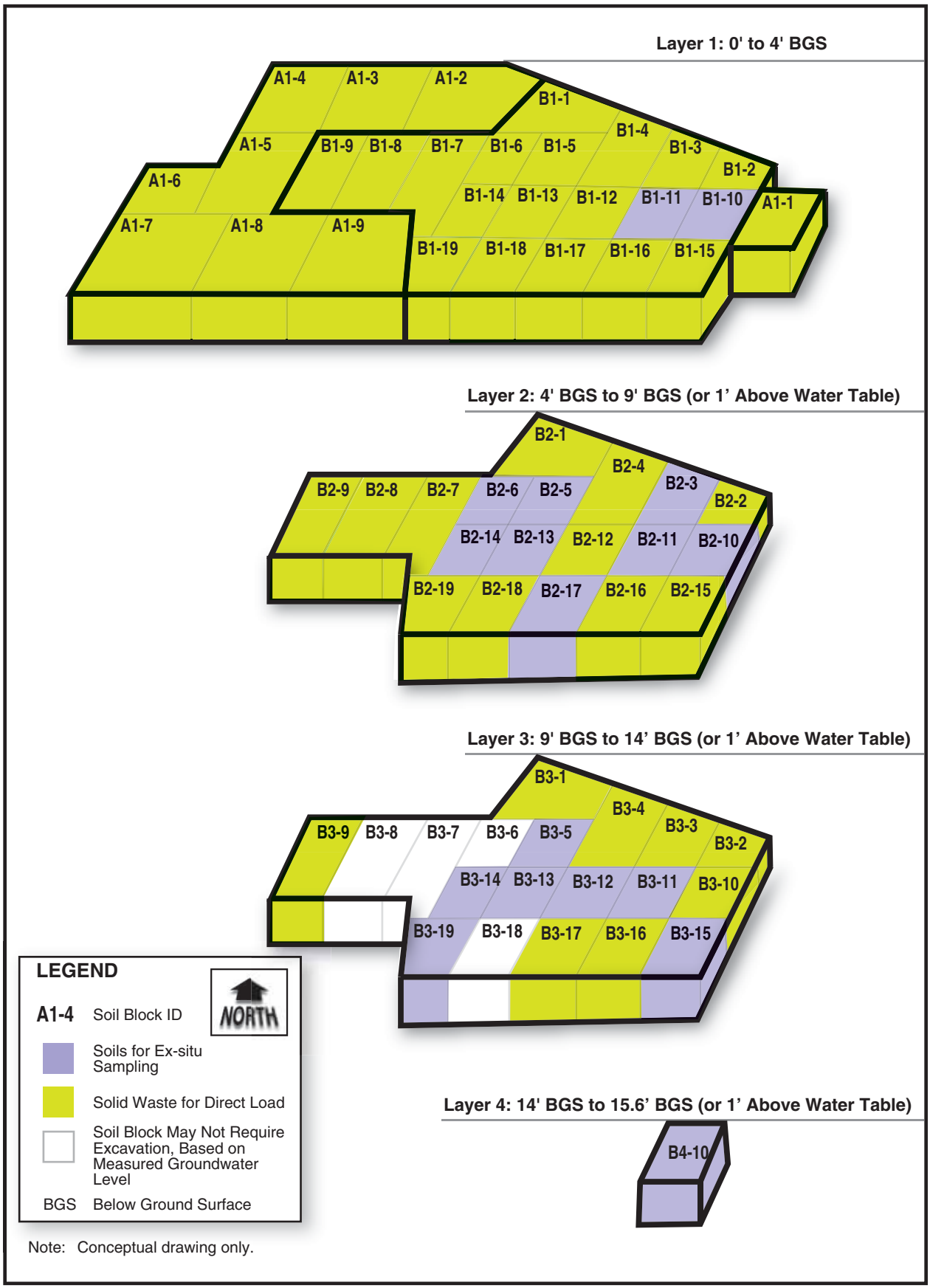


FIGURE 2-4 SOIL DISPOSAL PROFILE
OAKDALE SITE
OAKDALE, MN

3. CONSTRUCTION COMPLETION – SOIL ALTERNATIVE S-3

The following sections include a summary of the activities that were conducted to implement the components of Soil Alternative S-3 for removal of soils north of Highway 5 as presented in the MDD and the MPCA-approved RD/RA Plan. The numbered photographs referenced throughout the text of this CCR are presented in the photograph log provided in Appendix A.

3.1 CONSTRUCTION CHRONOLOGY

Excavation activities at the Oakdale Site commenced in January 2011. A timeline of preconstruction and construction activities is as follows:

- October 21, 2008 – Temporary SVE system startup.
- April 24, 2009 – Approval of the RD/RA Plan by MPCA.
- December 3 – 10, 2009 – Temporary SVE system expansion.
- November 15, 2010 – Shutdown of temporary SVE system.
- December 2, 2010 – Soil excavation contractor mobilization.
- January 12, 2011 – Excavation activities begin (Soil Block A1-2).
- May 3, 2011 – Excavation activities complete (Soil Block B3-6).
- June 1, 2011 – Completion of hauling and decommissioning of the exclusion zone.
- June 6, 2011 – Topsoil and seeding activities begin.
- July 19, 2011 – Final site survey.
- October 25, 2011 – Removal of silt fencing and project completion.
- November 2, 2011 – Removal of construction fence.

The MPCA provided approval of the RD/RA Plan with comments on April 24, 2009. In November 2010, 3M conducted procurement activities and selected a contractor, Carl Bolander & Sons Co. (Bolander), to conduct soil excavation and hauling followed by backfill and restoration. As indicated in the RD/RA Plan, WESTON performed construction and

environmental oversight, sampling, survey control and verification, perimeter monitoring activities and documentation.

The temporary SVE system was shut down on November 15, 2010. The SVE system was decommissioned by disconnecting the system from the power source, removing the SVE equipment and suction blower trailer from the site, and removing the aboveground piping connecting the vents. The SVE subsurface vents located within the area of excavation were removed as part of the soil excavation. All SVE piping, including the aboveground piping, was disposed at the SKB Landfill in Rosemount, MN. Additional details on the operation and design of the SVE system are provided in Section 2.

Site preparation activities were conducted by Bolander in December 2010 and January 2011. These preparation activities consisted of cutting the curb on Granada Avenue for the construction access road, improvement of the existing access road, clearing the excavation areas, placement of the construction trailers and sanitary facilities, set up of exclusion zones, installation of sediment and erosion controls, installation of stockpile staging and load-out zones, and replacement of the stormwater flow diversion pipes under the improved access road. Photographs 3 and 4, provided in Appendix A, depict the construction access road at Granada Avenue and the construction trailer.

WESTON and its contractor TKDA, a Minnesota-licensed surveyor, set up survey control and delineated the areas of excavation. Additionally, WESTON and TKDA performed the verification and certification surveying for delineation of areas and limits of excavation throughout construction activities. Bolander performed operational surveying for its crews and operators. The meteorological monitoring station was installed on-site by WESTON personnel in January 2011. For more information on the meteorological monitoring station, refer to Section 3.7.2.

3.1.1 Summary of Construction Activities

The construction contractor (Bolander) continued construction of support facilities on-site during the week of January 2, 2011. Bolander constructed stockpile staging areas within the exclusion

zone as shown in Figure 3-1. Staging areas were built in accordance with the project specifications as described in Section 3.3.

Preparation for hauling began in January 2011 with installation of a load-out zone by Bolander. On January 12, 2011, after TKDA surveyed and delineated the limits of excavation, excavation and hauling commenced with the removal of PFC-containing material from Soil Block A1-2. As-built survey verification shots were recorded by TKDA for WESTON after each soil block was excavated. Removal of PFC-containing materials was completed with the excavation of Soil Block B3-6 and verified by TKDA on May 6, 2011 with the final as-built survey of the excavation limits. All material excavated from the Site was disposed at the SKB Landfill.

During excavation activities, all potentially impacted material was stockpiled in a designated staging area. The potentially impacted material included the side slope material on the perimeter of the excavation that was beyond the removal limits defined in the RD/RA Plan. The side slope material was excavated for slope stability.

Backfilling of the excavation generally occurred in two stages:

(1) After the excavation of Soil Blocks A1-2 through A1-9 in February 2011; and

(2) At the conclusion of the excavation activities from May through June 2011.

3.2 APPROVAL AND PERMITS

The RD/RA Plan was submitted to the MCPA in February 2009, and the MPCA provided approval of the plan with comments in a letter to 3M dated April 24, 2009. The following permits also were filed and obtained:

- U.S. Army Corps of Engineers (USACE) Application for No-Loss Determination – On May 6, 2009, 3M submitted an application, with supporting documentation, to the USACE. USACE confirmed the No-Loss Determination on May 15, 2009. This application and approval were applicable to both the groundwater treatment plant construction and the excavation activities. Documentation is provided in Appendix D.

- Minnesota Department of Natural Resources (DNR) Public Water Works Permit Exemption – On May 6, 2009, 3M applied to the DNR for an exemption from the Public Water Works Permit. DNR approved the exemption on May 28, 2011. This

application and approval were applicable to both the groundwater treatment plant construction and the excavation activities. Documentation is provided in Appendix D.

- City of Oakdale Site Plan Application – 3M submitted a site plan application to the City of Oakdale on May 6, 2009. The City approved the application on June 23, 2009. This application and approval were applicable to both the groundwater treatment plant construction and the excavation activities. Documentation is provided in Appendix D.

- Valley Branch Watershed District (VBWD) Permit Application – On May 6, 2009, 3M submitted the VBWD permit application. VBWD approved the application on July 6, 2009. This application and approval were applicable to both the groundwater treatment plant construction and the excavation activities. Documentation is provided in Appendix D.

- City of Oakdale Grading and Filling Permit – Bolander, on behalf of 3M, submitted to the City of Oakdale a Grading and Filling Permit for planned excavation activities. Permit No. 2010-02217 became effective on December 12, 2010. A copy of the permit is provided in Appendix D.

- NPDES Construction Stormwater Permit - On December 2, 2010, 3M submitted to the MPCA a Permit Modification Form for the existing National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit (ID # C00027460). The purpose of this modification was to add the site excavations and the contractor (Bolander) onto the existing 3M NPDES permit. A copy of the completed Permit Modification Form is provided in Appendix D. MPCA acknowledged this permit transfer/modification on December 20, 2010 in a written letter to 3M. Upon completion of site activities and establishment of sufficient vegetation, a Notice of Termination of NPDES Stormwater Permit No. C00027460 dated November 21, 2011 as submitted to MPCA.

- Department of Transportation Utility Permit – On September 30, 2010, the Department of Transportation issued a permit for 3M to place, construct and maintain a buried electrical power line with conduit. This permit enabled boring underneath Highway 5 to supply power to the northern side of the property for the operation of the groundwater recovery pump in extraction well PW26 when re-installed.

3.3 SITE PREPARATION

Prior to construction activities, Bolander submitted to 3M a Site Operation and Excavation Plan, a Health and Safety Plan (HASP), Decontamination Plan, and Transportation Plan for review and comment. 3M and WESTON reviewed the plans and provided comments, which were then addressed by Bolander. A security fence was installed in 2007 to control access to the area during interim (e.g., SVE installation and operation) and excavation response activities. The fence remained in place throughout excavation activities. Bolander's site preparation consisted

of the installation of erosion and sediment controls, installation of the construction access road form the site to Granada Avenue, completing additional vegetation/tree clearing, establishing the exclusion zone around the excavation area, installation of diversion piping, construction of a load-out zone, and construction of the stockpile staging areas. These features, as well as the excavation limits and soil block grids, were surveyed as shown in Figure 3-1.

A stormwater swale crossed the western portion of the excavation footprint and needed to be relocated to avoid interference with the construction access road and excavation activities. This swale drained the overflow from the western pond and conveyed it south to a culvert under Highway 5. Bolander constructed a temporary relocation of the swale to the west so it was outside the excavation footprint, and water flow was piped underground through two temporary 15-inch corrugated steel pipes. These remained in place throughout the excavation and backfill activities. Photograph 5 depicts backfilling over the two corrugated steel pipes, and Photograph 6 depicts the corrugated steel pipe outlets with the temporary erosion control measures in place. Upon completion of excavation and backfilling, the two temporary 15-inch corrugated steel pipes were removed and the swale was re-established in its original location through two 18-inch corrugated steel pipes.

The exclusion zone was delineated with black silt fencing and identifying signs. Photographs 7 and 8, provided in Appendix A, show the established exclusion zone fencing and signage. The exclusion zone encompassed the limits of the excavation and marked the boundary for movement of excavation equipment. This ensured that excavation equipment coming into contact with the PFC-containing soil remained in the exclusion zone at all times unless it was decontaminated. Areas enclosed within the exclusion zone included the footprint of the excavation, soil stockpile areas for ex situ disposal profile sampling, stockpile areas for the potentially impacted material, and the load-out zone. Additionally, the exclusion zone marked the boundary to which non-excavation equipment could approach the excavation limits. This prevented the haul trucks and other equipment from coming into contact with PFC-containing soil.

Personnel entering the exclusion zone were required to wear the appropriate personal protective equipment (PPE) in accordance with the site HASP. The PPE requirements of the HASP for the work site area outside the exclusion zone included Level D PPE, consisting of long pants, safety

shoes, safety glasses, a hard hat, hand protection (as necessary), hearing protection (as necessary) and a Class 2 safety vest. Level C PPE was required within the exclusion zone and the Contaminant Reduction Zone (CRZ). The additional PPE requirements for Level C included chemical-resistant coveralls, chemical-resistant outer boots or boot shoe covers, chemical-resistant gloves and an air purifying respirator. WESTON and Bolander employees remained in Level C as specified in the site HASP within the exclusion zone during excavation activities.

For personnel exiting the exclusion zone, the proper decontamination procedures were required. The CRZ consisted of the areas surrounding and inside the decontamination trailer (Figure 3-1). Detailed decontamination procedures were outlined in the Decontamination Plan submitted by Bolander to 3M along with their Work Plan.

A load-out zone was constructed along the exclusion zone fencing next to the haul road. The load-out zone consisted of a ramp within the exclusion zone and a tarp curtain at the edge of the exclusion zone. This design allowed trucks, located outside of the exclusion zone, to be loaded using equipment inside the exclusion zone. The tarp curtain was stretched across the width of the load-out zone ramp to make a barrier approximately the height of a truck bed. The curtain was installed to prevent impacted material from falling out of the exclusion zone during haul truck loading activities.

As shown in Figure 3-1, the truck weigh scale was located outside of the exclusion zone and load-out zone. The scale was installed to ensure that long-haul trucks were within their legal limit for hauling. This weigh scale was not used during this excavation project for long-haul trucks because none of the excavated soils required disposal at the EQ hazardous waste landfill in Michigan.

The stockpile staging areas, used for staging and ex situ sampling of soils for disposal profiling, were constructed by placing a 10-mil poly liner on the prepared ground surface and covering the liner with a minimum of 6 inches of clean sand. In accordance with the project specifications, the liner was placed under the complete footprint of the stockpiled material with the liner edges overlapping by at least 12 inches. The purpose of the liner was to prevent contact between the excavated PFC-containing soils and the underlying ground surface. Photographs 9 and 10, provided in Appendix A, show construction of a stockpile stacking area and stockpiles staged in the soil stockpile staging areas.

Also as part of site preparation activities, a meteorological station (met station) was installed by WESTON southwest of the excavation area. The location of the met station is included in Figure 3-1, and a more detailed discussion of the met station is provided in Section 3.7.2.

3.4 SURVEY CONTROL

TKDA performed survey verification for the excavation activities. TKDA acted as an independent surveyor contracted to WESTON. Prior to the start of excavation activities, TKDA staked the excavation boundaries as well as the boundaries of the sloped excavation sidewalls. Throughout the project, surveying was performed by TKDA on an as-needed basis to check the excavation and to confirm when the delineated limits of each soil block were reached. Bolander performed surveying to guide their construction activities, and TKDA performed the verifications. Photographs 11 and 12, provided in Appendix A, depict the survey activity.

Copies of the survey documentation produced by TKDA throughout construction activities are provided in Appendix E. Additionally, the site operations map (Figure 3-1) show the locations of the on-site benchmark and survey control points that were used.

3.5 EXCAVATION ACTIVITIES

Bolander excavated individual soil blocks one at a time within each layer of the delineated excavation area. Photographs 13 through 17, provided in Appendix A, show various excavation activities. As shown in Figure 3-2, the planned excavation had four layers:

- Layer 1 from 0 to 4 ft bgs (Soil Blocks A1-1 through A 1-9 and B1-1 through B1-19);
- Layer 2 from 4 to 9 ft bgs (Soil Blocks B2-1 through B2-19);
- Layer 3 from 9 to 14 ft bgs (Soil Blocks B3-1 to B3-5, B 3-9 to B3-17 and B3-19); and
- Layer 4 from 14 to 15.6 ft bgs (Soil Block B4-10).

The corners of each individual soil block were surveyed by TKDA and identified with a lathe survey stake. Bolander excavated each block relying upon the survey markers and a portable global positioning system (GPS) unit.

A small quantity of soil material (less than 100 cubic yards) was removed during the temporary diversion piping installation. This material was outside the limits of removal specified in the RD/RA Plan and did not have to be transported off-site for disposal. This material was managed in the base of the excavation as backfill.

Non-soil debris that was encountered during the excavation activities consisted of tape/plastic debris, drum fragments, metal scraps and miscellaneous debris. Further detail relating to the non-soil debris is provided in Section 3.5.4.

The soil block figure (Figure 3-2) was referenced to determine the depth for each soil block excavation and whether, based on soil boring sampling results (i.e., in situ) and the requirements of MPCA's December 17, 2010 waste determination letter, the soil block could be direct-loaded for off-site disposal (direct load soils) at the SKB Landfill or whether it was required to be stockpiled for ex situ sampling (stockpile soils) in smaller piles for disposal profiling. This methodology was described in detail in the Construction Sampling Plan (CSP), which was included as an attachment in the approved RD/RA Plan. Excavation depths were set according to 3M's December 9, 2010 request for waste determination letter to MPCA and subsequent MPCA approval on December 17, 2010. The off-site disposal locations were identified in the RD/RA Plan.

The purpose of the excavation was to remove PFC-impacted soil and waste within the delineated limits specified in the RD/RA Plan. The approved RD/RA Plan and requirements for the contractor (i.e., Bolander) specified that excavation limits were set at approximately 1 foot above groundwater. On December 9, 2010, 3M submitted a request for determination on disposal of excavation soils to MPCA. That letter identified the final excavation depth, based on depth to groundwater measurements collected in November 2010. The letter also stated that during excavation activities, the groundwater level would be monitored and the excavation depth would be raised if groundwater was encountered before the projected limit of excavation. During construction, field indicators were used to check on the presence or location of the water table. These indicators included some test pits, the presence of water in the floor of an excavated grid, and probing and piezometers remaining in the area of excavation. These field checks resulted in

the excavation extending to the projected depth as shown in the December 9, 2010 letter. Photograph 18, provided in Appendix A, shows a groundwater monitoring piezometer.

3.5.1 Direct Load Soils

"Direct load" refers to those soils that are classified as "solid waste" as approved by MPCA in its December 17, 2010 waste determination letter to 3M. These soils were excavated and directly loaded out for transport to the SKB Landfill without the need for additional ex situ disposal profile sampling, i.e., stockpile sampling. Photographs 19 and 20, provided in Appendix A, depict direct load operations.

On the soil block figure (Figure 3-2), yellow colored blocks indicate soil that could be directly loaded onto haul trucks for disposal at the SKB nonhazardous industrial waste landfill in Rosemount, Minnesota. The disposal profile soil boring sample results for soils represented by a yellow colored block indicated that none of the soil boring samples within the block met the Resource Conservation and Recovery Act (RCRA) hazardous characteristic criteria, none contained a PCB concentration greater than 50 ppm, and none contained a VOC concentration greater than its Industrial SRV in accordance with the MPCA's waste determination letter dated December 17, 2010.

To reduce the movement of equipment into and out of the excavation limits, Bolander placed each "direct load" soil block into a single stockpile for load-out. This temporary staging stockpile was constructed within approved stockpile staging areas within the exclusion zone. From this temporary staging stockpile, the soil was loaded into haul trucks. A description of the soil loading/unloading activities is provided in Section 3.5.3.

As shown in Figure 3-2, the direct load soil blocks from the Oakdale Site included A1-1, A1-2, A1-3, A1-4, A1-5, A1-6, A1-7, A1-8, A1-9, B1-1, B1-2, B1-3, B1-4, B1-5, B1-6, B1-7, B1-8, B1-9, B1-12, B1-13, B1-14, B1-15, B1-16, B1-17, B1-18, B1-19, B2-1, B2-2, B2-4, B2-7, B2-8, B2-9, B2-12, B2-15, B2-16, B2-18, B2-19, B3-1, B3-2, B3-3, B3-4, B3-9, B3-10, B3-16 and B3-17. These soil blocks were approved by MPCA for disposal at the SKB Landfill based on the soil boring sampling results. Additionally, Soil Blocks B3-7, B3-8 and B3-18 were hauled as direct load material to the SKB landfill. It was indicated in Figure 3-3 that these soil blocks may

not require excavation based on the measured groundwater level. When it was determined that a small amount of material would need to be excavated from these soil blocks to achieve an elevation at 1 foot above the water table, the soil boring (i.e., in situ) analytical data were forwarded to SKB and the material was approved by SKB for direct load. A tabular summary of these disposal profile results for the direct load soil blocks is provided in Appendix C.

Documentation was maintained for each truckload of soil leaving the site to track it to its final disposal location. A manifest and a haul truck inspection sheet were prepared by WESTON for every truck prior to the departure of the truck from the Site. For direct load soils, an SKB shipping manifest and a haul truck inspection sheet were used. All shipping manifests were developed and printed by the landfill (assisted by WESTON), filled out on-site by WESTON personnel, signed by a 3M representative (as the waste generator), and signed by the transporter. Each manifest consisted of four carbon copies, each to be maintained in the respective files of the waste generator (two copies), transporter, and landfill, creating a documentation trail for all excavated wastes from the point of generation through disposal at the landfill. The haul truck inspection form was developed and completed by WESTON personnel. The haul truck inspection sheet was a pre- and post-loading checklist that documented the adherence to hauling procedures as presented in the Soil Transportation Plan and included in the project specifications. For example, items that were checked included the tarp covering the load, the presence of the bed liner and the cleanliness of the truck undercarriage.

A typical SKB shipping manifest (generator copy) and a typical truck inspection sheet for direct load soils are provided in Figures 3-3 and 3-4, respectively. All SKB shipping manifests (generator's copy) are provided in Appendix F (on CD). The haul truck inspection sheets are maintained by 3M and WESTON in the project files.

Each SKB shipping manifest has a unique ID number, and the shipping manifest is the primary document used for tracking each truck load of soil. The soil block from which the material originated is recorded on the manifest. For example, as shown in Figure 3-3, "B1-8" was recorded on SKB shipping manifest 765679 to indicate that the manifest represented the direct load material from excavated Soil Block B1-8.

Additionally, a unique "container ID," soil block source, and load number were recorded on the truck inspection sheet for each load. The unique container ID is a combination of the trailer number and the manifest number. For example, as shown in Figure 3-4, the unique container ID was recorded as "114-765679" to indicate that trailer #114 contained the load associated with SKB shipping manifest 765679. Soils that were shipped to the SKB Landfill, such as the direct load soils, were not weighed on-site, but were weighed at the SKB facility. When the weigh ticket for each load was received by Bolander from SKB, a copy of the landfill-provided load ticket was obtained by WESTON for the project files, and the weights for each load were recorded on the respective haul truck inspection sheets.

The SKB-accepted load summary list provided in Appendix F-1 contains the manifest number for each load accepted at the landfill, as well as the net weight in tons. This list was provided by the SKB Landfill at the conclusion of all daily trucking activities. All loads that were recorded and documented as leaving the Oakdale Site for the SKB Landfill were received at the SKB Landfill.

3.5.2 Stockpiled Soils

On the soil block figure (Figure 3-2), purple colored blocks indicate that certain soil blocks, based on sampling results from soil borings and MPCA's waste determination letter, were required to be stockpiled for ex situ sampling for disposal profiling. These soils were excavated in accordance with the CSP and placed in approximately 100 cubic yard stockpiles in the lined stockpile staging areas. Each stockpile was split into two sub-piles, approximately 50 cubic yards each. Photographs 10, 21 and 22, provided in Appendix A, depict stockpiling procedures.

Stockpiles were named by the soil block from which the material originated, and then each 100 cubic yard stockpile was numbered in ascending numerical order. Each half of the 100 cubic yard stockpile was denoted with either a "-1" or a "-2". For example, stockpile "B1-10 001-1" (as shown in Photograph 21 in Appendix A) refers to material that originated in Soil Block B1-10 and is the first half of the first 100 cubic yard stockpile removed from that soil block.

The stockpiles were sampled in accordance with the CSP to determine the disposal destination for the particular stockpile or sub-pile. The analyses selected for the ex situ sampling of the

stockpile depended on the parameters that exceeded the nonhazardous criteria during the soil boring sampling. For example, because all samples from soil borings that were tested for ignitability and reactivity were found to be negative for these RCRA characteristics, none of the ex situ samples required ignitability or reactivity analyses.

Sampling procedures were conducted in accordance with the CSP and Quality Assurance Project Plan (QAPP). Copies of the field sampling sheets for the soil stockpiles are provided in Appendix G. Laboratory analytical data packages are quite voluminous and are maintained in WESTON project files. Consistent with the other completed perfluorochemical (PFC) projects, i.e., the Woodbury Former Main Disposal Area and Former Northeast Disposal Area CCRs and the Cottage Grove D1/D2 and D9 Areas CCRs, the laboratory data packages are not provided in this CCR.

As shown in Figure 3-2, the following soil blocks were planned for excavation and stockpiling for ex situ sampling: B1-10, B1-11, B2-3, B2-5, B2-6, B2-10, B2-11, B2-13, B2-14, B2-17, B3-5, B3-11, B3-12, B3-13, B3-14, B3-15, B3-19 and B4-10. Also, it was indicated in Figure 3-2 that Soil Block B3-6 might not require excavation based on the measured groundwater level. During excavation activities, it was determined that a small amount of material would need to be excavated from Soil Block B3-6 to achieve an elevation at 1 foot above the water table. The soil boring (i.e., in situ) analytical data associated with Soil Block B3-6 indicated that it would require ex situ sampling. Therefore, Soil Block B3-6 was excavated and stockpiled for ex situ sampling. Soil Block B4-10 was not excavated because this material was below the excavation limits (i.e., within 1 foot or less of the groundwater table).

Sampling parameters for stockpiles from each soil block, with the exception of Soil Block B3-6, are indicated in Figure 3-2 and were based on the sampling results for soil borings from the soil block as discussed above. Soil Block B3-6 required ex situ sampling for 1,2-dichloroethane. Soil Block B2-11 required ex situ sampling for 1,2-dichloroethane, but was also sampled for PCBs to verify that the PCB concentration in this soil block was below 50 ppm as indicated in 3M's request for waste determination letter to MPCA dated December 17, 2010. A tabular summary of the ex situ sampling results for each stockpile and sub-pile is provided in

Appendix C. The analytical results for each stockpile and sub-pile were forwarded to the SKB disposal facility for review and approval prior to shipping the materials.

Stockpiles or sub-piles with ex situ analyses that met the nonhazardous solid waste criteria in accordance with MPCA's waste determination letter (i.e., soil leachate concentrations less than the toxicity characteristic leaching procedure (TCLP) limits, soil concentrations less than the referenced Industrial SRVs, and soil PCB concentrations less than 50 ppm) were managed as solid waste (nonhazardous) and sent to SKB Landfill.

All of the ex situ samples that were analyzed for PCBs exhibited concentrations less than 50 ppm. Stockpiles or sub-piles with ex situ analyses that contained soil concentrations greater than the referenced Industrial SRVs, and/or greater than the VOC TCLP limits were conditioned by aeration and stockpile reshaping to reduce the soil VOC concentrations. Additionally, in some instances, the aeration was supplemented by the addition of lime kiln dust (LKD) to the stockpiles.

For the Oakdale project, 26 stockpiles required conditioning to reduce VOC concentrations to less than the Industrial SRVs and/or the VOC TCLP limits. The 26 stockpiles were B2-5 004-1 to B2-5 004-2, B2-6 002-1, B2-11 002-1 to B2-11 003-2, B2-13 001-1 to B2-13 004-2, B2-14 001-1, B2-14 002-1 to B 2-14 005, B3-11 001-2, B3-15 003-2 and B3-19 001-2. Of these 26 stockpiles, LKD was added to 14 stockpiles for further conditioning. The 14 stockpiles with LKD addition were B2-5 004-1, B2-5 004-2, B2-13 002-1 to B2-13 004-2, B2-14 001-1, B2-14 002-1, B2-14 003-2 to B2-14 004-1, B2-14 005 and B3-19 001-2. Conditioning of stockpiles with LKD occurred from May 4, 2011 through May 13, 2011.

The conditioned stockpiles were then resampled for the VOC parameter(s) that exceeded the Industrial SRV. Because the final sampling results were less than the Industrial SRVs, the stockpiles or sub-piles were managed as solid waste (i.e., nonhazardous) and hauled to the SKB Landfill. Photograph 23, provided in Appendix A, depicts stockpile conditioning activities.

3.5.2.1 Stockpile Management

Stockpiles were identified and managed in the exclusion zone using wooden survey stakes and a colored flagging system. A lathe survey stake was placed into the side of the stockpile for identification. The soil block and stockpile number were written on each stake. After the stockpile was sampled, a red flag was tied to the stake. The red flag signified that the pile was sampled and analytical results were pending. Additionally, the red flagging served as a visual sign that the stockpile was not approved for hauling.

After the analytical results were obtained for each stockpile, the flag was changed. If, based on the stockpile sampling results, the stockpile was approved for disposal at the SKB Landfill, the red flag was removed and replaced with a blue flag. The blue flag indicated that the disposal destination for the stockpile was SKB Landfill. A green flag was tied to the stockpile stakes after the stockpiles were surveyed for volume determination. Photograph 22, provided in Appendix A, depicts the stockpile flagging system.

As the stockpiles were marked for load-out, WESTON personnel monitored the operation to ensure that the stockpiles were being manifested and handled according to the flagging system. Once a stockpile had both green (survey) and blue (SKB approval) flagging, the stockpile was shipped to SKB Landfill for final disposal.

3.5.2.2 Disposal at SKB Nonhazardous Landfill

After receiving SKB approval for disposal acceptance, stockpiles or sub-piles were shipped to the SKB Landfill via the highway route described in the RD/RA Plan. The final ex situ analyses on all stockpiles met solid waste (i.e., nonhazardous) criteria; therefore, all stockpiles were disposed at the SKB Landfill.

As with the direct load soils, an SKB shipping manifest and a haul truck inspection sheet were completed by WESTON for each load before the load left the site. On both documents, the load's source soil block and stockpile number were noted. For example, "B2-14 001-2" indicates that the load was from Soil Block B2-14, Stockpile 001-2. A typical SKB shipping manifest and a typical SKB haul truck inspection sheet are provided in Figures 3-3 and 3-4, respectively.

The soil boring cuttings from previous sampling events and the temporary SVE system vent installation were contained in 122 drums and stored on wooden pallets at the site. These drums were emptied into one stockpile (approximately 40 cubic yards), and the stockpile was sampled for disposal profiling. A summary of the analytical results is provided in Appendix C. The results indicated that the soils met the nonhazardous criteria as solid waste and could be shipped to SKB. After review of the results by SKB and receipt of approval to send, the soils, along with the crushed and emptied drums and the wooden pallets, were hauled to SKB on February 3, 2011. Photograph 24, provided in Appendix A, shows staging of the 122 drums within the exclusion zone.

As discussed in Section 4, following the completion of excavation activities, three new wells were installed within the footprint of the former excavation (W-21R, W-26R and PW-26). Drill cuttings generated during installation were containerized in six drums, and sampled for disposal characterization. The results, which are included in Appendix C, confirmed that drill cuttings were nonhazardous. After review of the results by SKB and receipt of approval to send, the soils (along with removed silt fence) were hauled to SKB on October 25, 2011.

All SKB shipping manifests (generator's copy) are provided in Appendix F (on CD). Manifests and haul truck inspection sheets are also maintained by 3M and WESTON in the project files. All loads that were recorded and documented as leaving the Oakdale Site for the SKB Landfill were received at the SKB Landfill.

3.5.3 Truck Loading/Unloading Operations

The haul trucks consisted of an 18-wheel tractor trailer with an aluminum dump trailer, with the occasional use of a straight truck and a steel trailer. All haul trucks were inspected by WESTON upon arrival and departure from the Site to ensure that trucks were properly prepared to haul soils and that excavated materials were loaded properly and secured. The inspections were documented on the Haul Truck Inspection Forms (Figure 3-4). Photographs 25 through 28, provided in Appendix A, depict truck loading/unloading operations.

Some trucks hauled clean sand from SKB for use as backfill for the excavations (Photograph 29). Upon arrival at the Site, trucks hauling sand proceeded to a drop area to unload, whereas trucks

arriving empty proceeded to the lining station. At the lining station, the trucks pulled up to a scaffold (Photograph 25) and were visibly inspected by WESTON to ensure that there was no waste material in the truck bed. The truck bed was then lined with disposable, 6-mil poly sheeting to prevent the truck bed from coming into contact with the excavated soil and to ensure that free liquids (if present) could not leak out of the tailgate. The poly sheeting was tied to the rails of the truck bed to keep it in place during loading and shipment (Photograph 26). On several occasions, WESTON followed trucks hauling soils to the SKB Landfill to ensure load integrity throughout the hauling process and use of the proper haul route. Based on WESTON's observations during the loading and hauling operation, there was no evidence of ripping or tearing problems with the bed liner and the 6-mil thick poly sheeting was satisfactory.

A truck preparing to be loaded with materials to be hauled to the SKB Landfill proceeded from the lining station to the load-out zone. For stockpiled material, trucks were loaded at a specified load-out zone constructed for truck loading purposes. This load-out zone consisted of a ramp within the exclusion zone and a tarp curtain at the edge of the exclusion zone (Photograph 19, provided in Appendix A). This allowed trucks, located outside of the exclusion zone, to be loaded using equipment inside the exclusion zone. The tarp curtain was stretched across the width of the load-out zone ramp to make a barrier approximately the height of a truck bed. It was installed to prevent any impacted material from falling out of the exclusion zone during haul truck load-out.

After loading, the truck returned to the lining station for inspection. The trucks were inspected by WESTON to ensure the bed liner was in good condition. WESTON also inspected the trucks to make sure that the liner remained in place in the bed of the truck and that the height of the loaded soil was lower than the sides of the truck. After inspection, a tarp was secured over the top of the trailer, and the driver signed the associated manifest before the truck departed from the Site. Trucks transporting material to SKB were weighed upon arrival at the SKB Landfill using a certified weigh scale. Photographs 26 and 27, provided in Appendix A, demonstrate truck lining procedures.

3.5.4 Non-Soil Debris

During the Oakdale excavation, some non-soil debris was encountered. This debris consisted of tape/plastic debris, crushed drum fragments and metal scraps. The debris encountered was disposed with the surrounding soils at the SKB Landfill. Photographs 30 and 31, provided in Appendix A, show the non-soil debris.

Six bags of nonhazardous construction debris were hauled off-site for disposal at the SKB Landfill. These six bags were fiberglass insulation generated from decommissioning activities at the 3M Cottage Grove facility. The handling of this material is documented in Photographs 32 and 33, provided in Appendix A.

3.5.5 Water Management

The groundwater table elevation at the Oakdale Site was an important factor throughout excavation activities. As discussed in Section 3.6, in accordance with the approved RD/RA, the final excavation depth was set at a minimum of 1 foot above the groundwater table. The final minimum elevations (maximum depth) were set at the groundwater table elevations recorded in the last round of on-site sampling at the Site conducted in November 2010. This water table information was compiled and documented in 3M's request for waste determination letter to MPCA on December 9, 2010. Minimal construction water (i.e., precipitation) was encountered, and all construction water was collected within the boundaries of the Oakdale excavation and was allowed to percolate into the ground.

Near the conclusion of the project and prior to the backfilling with SKB sand, the excavation equipment (that was operated within the exclusion zone) was decontaminated using a 300 pounds per square inch (psi) heated pressure washer. Three passes were completed with the pressure washer after the visible debris was removed. The procedure was performed within the boundaries of the Oakdale excavation, and the decontamination water was allowed to percolate into the ground. In Photograph 34, provided in Appendix A, the equipment decontamination procedure is shown.

3.6 SURVEY VERIFICATION OF EXCAVATION LIMITS

Verification surveying was performed by TKDA as a contractor to WESTON. This arrangement provided the third-party verification that the extent of removal requirements specified in the RD/RA Plan were being met. Surveying was conducted regularly during the excavation activities to confirm that the required horizontal and vertical excavation limits had been reached for each soil block. After the final excavation limits were verified to the lateral and vertical limits specified in the approved RD/RA Plan, backfilling commenced.

Soil block quantities for direct load and stockpiled soil blocks were surveyed differently in accordance with project specifications. The direct load soil block quantities were in-place volumes calculated from the pre-excavation surface topography compared to the "as-built" survey shots after excavation. For the "as-built" survey of these soil blocks, four corner survey shots were collected at the bottom of the excavation along with multiple interior ground check shots for each soil block.

To quantify the amount of soil excavated from the ex situ sampling soil blocks, the excavated stockpiles were surveyed. Stockpile quantities were surveyed by collecting several survey shots around the base of the stockpile, as well as one or two shots at the top of the stockpile. As-built survey shots were taken at the four corners of each of the ex situ sampling soil blocks, but the corner shots were used only to confirm that the excavation met the required horizontal and vertical limits.

Because the final excavation limits of each soil block were set in 3M's request for waste determination letter, the resulting excavation bottom consisted of a unique elevation at each soil block. As a result, verification survey points were collected in the corners of each individual block.

Figures 3-5 through 3-16 provide the plan views and cross-section views of final verification surveys for the base of each layer (i.e., base of Layer 1, 0 to 4 ft bgs; base of Layer 2, 4 to 9 ft bgs; and base of Layer 3, 9 to 14 ft bgs). The cross sections indicate that the RD/RA Plan specified excavation limits and the actual final excavation limits were achieved. Additionally, the actual excavation limits met or extended slightly beyond the RD/RA Plan design limits.

Photograph 35, Appendix A, depicts the completed excavation limits in Soil Blocks B3-9, B3-8, and B3-7 as a typical example.

It is important to note that field verification survey shots during excavation were the primary method used to verify the excavation met or exceeded the specified limits of removal. The construction drawings (Figures 3-5 through 3-16) rely upon computer interpolation between field verification shots to develop topographic contours and this interpolation tends to flatten the presented surface in areas of steep grade changes (i.e., swale). Field Verification indicated that all removal depths were met or exceeded. Furthermore, all base limits of excavation were covered with a minimum of four feet of backfill material (refer to section 3.9 for more information).

Table 3-1 provides a tabular summary of the Oakdale soil excavation volumes. Because all of the final data for the excavated soil stockpiles met the nonhazardous criteria, all of the soil excavated, 27,951 cubic yards (51,367 tons), was disposed at the SKB Landfill.

3.7 OPERATIONAL RECORDS

In addition to haul truck inspection sheets (Figure 3-4), additional operational records are maintained by WESTON to document the excavation activities and ambient conditions during site activities. Such records include daily reports, meteorological station data, and perimeter monitoring as discussed in the following sections.

3.7.1 Daily Reports

The Daily Site Operations Log Form was completed for each day of site activity. The log form contains a summary of key site daily information, such as activities performed, personnel on-site, soil blocks that were excavated, stockpiles that were generated, hauling information, monitoring information and communications. All of the daily reports are maintained in WESTON's project files as part of the construction record.

Additionally, weekly construction meetings were held by 3M, typically on Monday, throughout the duration of site activities to review construction progress and plans for upcoming construction, and to resolve construction questions or issues. These meetings were led by the 3M project representative and were attended by 3M, Bolander, WESTON, and other parties such

as AECOM (MPCA's contractor) and MPCA. Meeting minutes were e-mailed weekly, and copies are maintained in 3M and WESTON project files as part of the construction record. Lastly, AECOM representatives periodically visited the site to observe and document excavation activities, on behalf of MPCA.

3.7.2 Meteorological Station Data

Daily weather conditions were recorded on the Daily Site Operations Log Form. In addition, continuous monitoring and documentation of on-site meteorological conditions were recorded by WESTON at an on-site met station. The met station was installed prior to the start of excavation activities on January 12, 2011 and was mounted outside of the exclusion zone on an approximate 18-foot tripod (see Photograph 36 in Appendix A). The met station was located southwest of the exclusion zone and west of the construction trailer (Figure 3-1). The meteorological data were recorded by a data logger and downloaded daily. The meteorological variables monitored included:

- Wind speed;
- Wind direction;
- Standard deviation of horizontal wind direction (sigma theta);
- Ambient air temperature; and
- Precipitation.

On January 12, 2011, it was observed that the met station was not operating properly. The problem was repaired by February 2, 2011. During the period that the on-site system was not operational, data were collected from the certified met station at Lake Elmo.

The meteorological data were also used during construction activities to help anticipate possible precipitation and construction water issues. Of the 29 recorded precipitation events, 25 were less than a half inch, four were between a half inch and an inch, and one precipitation event was greater than 1 inch (1.5 inches). All precipitation was managed on-site, and no water removal was necessary throughout the construction activities. The precipitation was managed within the excavation and was allowed to percolate into the ground.

Throughout the site activities, wind generally originated from a southerly or easterly direction. The average wind speed was 5.3 miles per hour. The wind speed was monitored with a three-

cup anemometer assembly mounted on a cross arm. Horizontal wind direction was monitored by a wind vane coupled to a precision low torque potentiometer. Precipitation was measured with a tipping bucket rain gauge. A table that provides a summary of the daily meteorological data is provided in Appendix H.

3.7.3 Perimeter Monitoring

During the excavation activities, perimeter monitoring for VOCs and particulates was performed approximately two times a day, and measurements were recorded on a Perimeter Monitoring Form, as outlined in the RD/RA Plan. Copies of the Perimeter Monitoring Forms are provided in Appendix I.

The following instruments were used for monitoring:

- Mini-RAE 2000 photoionization detector (PID) for VOC ambient air monitoring.
- MIE personal DataRam (pDR) for PM_{10} particulate ambient air monitoring.
- Simpson Model 884 Type S2A for noise monitoring.

As shown in Figure 3-17, there were four monitoring locations surrounding the excavation area in all directions. The monitoring locations were relocated slightly from those proposed in the RD/RA Plan due to access issues. The air monitoring locations were as follows:

- Station 1 – West of the Site (at the intersection of the haul road and Granada Avenue North);
- Station 2 – North of the Site (along Upper 35th Street North);
- Station 3 – East of the Site (at the cul-de-sac on 35th Street North); and
- Station 4 – South of the Site along the north shoulder of Minnesota Highway 5.

A total of 157 perimeter monitoring events were performed during excavation activities. The frequency of monitoring events was considered sufficient, and did not need to be increased, due to the very low readings that were recorded for the monitored parameters.

The ambient air monitoring VOC readings obtained at each of the perimeter monitoring locations for the duration of the project were well below the associated action levels. The VOC concentrations averaged 0.0 ppm at the perimeter monitoring locations as calculated over the

course of the excavation period. The maximum VOC concentrations recorded were 1.3 ppm, 1.9 ppm, 1.3 ppm and 2.0 ppm at Stations 1, 2, 3 and 4, respectively. The action level set in the RD/RA was a reading of 2.5 ppm above background as a 15-minute time weighted average. Background levels, determined from pre-construction perimeter monitoring events were 0.1, 0.1, 0.0 and 0.1 ppm for Stations 1, 2, 3 and 4, respectively.

The PM_{10} concentrations recorded at the perimeter monitoring locations ranged from 0.000 milligrams per cubic meter (mg/m^3) to 1.177 mg/m^3 with a project average of 0.018 mg/m^3. In general, the recorded PM_{10} concentrations remained below the action levels defined in the RD/RA of 0.1 mg/m^3 above background levels. Background levels, determined from pre-construction perimeter monitoring events were 0.045, 0.011, 0.022 and 0.021 mg/m^3 for Stations 1, 2, 3 and 4, respectively.

Six PM_{10} concentrations were recorded above action levels. Five of these concentrations were recorded on February 17, 2011 (Stations 1 through 4 in the morning round of perimeter monitoring and Station 2 in the afternoon round of perimeter monitoring). The perimeter monitoring logs for this day indicate that the elevated concentrations are believed to be due to dense fog (1 to 14 microns) and water vapor (2 to 5 microns) entering the optical chamber of the pDR. Additionally, the relative humidity on that day was 98%, which is near the upper limit of the specified operating environment for the unit. It is also important to note that no odors or VOCs were detected at any stations on that day. The remaining recorded PM_{10} concentration that exceeded the action level occurred on May 18, 2011 at Station 1. The PM_{10} concentrations recorded on May 18, 2011 at Station 2, Station 3 and Station 4 were well below the action levels (0.010 to 0.019 mg/m^3). The elevated concentration at Station 1 was believed to have occurred as haul trucks were entering and exiting the site (dry conditions, dirt road), as Station 1 is located at the intersection of the haul road and Granada Avenue North. As a result of this reading, Bolander was notified and a water truck was immediately called to the site for dust suppression. This action restored PM_{10} concentrations at Station 1 to background conditions. All subsequent PM_{10} readings were below the action levels.

The action level for sound monitoring, as defined in the RD/RA, was an average of 65 decibels (dBA) near households and an average of 80 dBA near highways and street rights-of-way. The

values measured for sound were consistently less than 65 dBA at Stations 1, 2, and 3 and consistently less than 80 dBA at Station 4 (located along the highway). Although the maximum dBA readings may have exceeded 65 dBA and 80 dBA, the average readings were generally well below these standards; therefore, the action level as defined in the RD/RA was not exceeded.

3.8 DECOMMISSIONING ACTIVITIES

At the conclusion of the construction activities, all stockpile staging areas, including the poly liner and cover sand, were removed and hauled to SKB Landfill. Approximately 1,467 tons of this material was hauled to SKB between May 11, 2011 and June 1, 2011.

Scraping of traffic areas inside of the exclusion zone to remove residues from tracking or spilling was not necessary because of several factors: (1) the increased size of stockpile staging areas minimized the need for separate traffic lanes, (2) the width and length of traffic lanes was minimized, and (3) the equipment used on-site was less prone to spillage. As a result, the contractor (i.e., Bolander) was not required to scrape and remove traffic lane soils at the conclusion of the project.

During stockpiling activities, Bolander maintained an excavator and an off-road haul truck in the exclusion zone and stockpile staging area. These two pieces of equipment were used for forming stockpiles, stockpile conditioning and load-out. Prior to load-out, Bolander moved stockpiles with the excavator and an off-road truck to the staging areas directly next to the load-out zone. Stockpiles on the staging areas next to the load-out zone could be accessed and loaded using the designated excavator. This method eliminated the need for material to travel between staging areas in the bucket of a front-end loader and thus prevented unnecessary tracking of material in the traffic lanes.

Following excavation activities, Bolander decontaminated all equipment used in the exclusion zone. Decontamination activities were performed consistent with the Decontamination Plan submitted by Bolander to 3M prior to excavation activities at the Site.

3.9 BACKFILLING, FINAL GRADING, AND REVEGETATION

Backfill documentation, including the date of backfilling activities and the source of backfill material, was recorded in the daily reports. Backfill material was placed in 12-inch lifts and compacted.

The source of backfill material was the backhauled sand from SKB, the small quantity of soil material (less than 100 cubic yards) removed from the side slopes of the excavation and the small quantity of soil material (less than 100 cubic yards) removed during the temporary diversion piping installation. The material from the side slopes and temporary diversion piping installation was outside the limits of removal specified in the RD/RA Plan and did not have to be transported off-site for disposal. This material was placed at a depth greater than 4 ft bgs in accordance with the RD/RA Plan. SKB backhauled sands were used to fill the remainder of the excavation. Figures 3-18 through 3-20 depict the backfill materials. Photograph 37, provided in Appendix A, depicts backfilling activities.

Overall, the final topography may have slightly lower elevations when compared to preconstruction conditions. However, the overall direction of surface water flow and precipitation runoff pre- and post-construction is generally unaffected. The final site survey was conducted on July 19, 2011 after the completion of construction backfill and grading activities.

After placement and grading of backfill, a 4-inch minimum layer of top soil was placed over the backfilled footprint. The topsoil source was the Raleigh Pit at Raleigh M J Trucking, Inc. in Stillwater, MN. This material was sampled by Bolander for engineering parameters and by WESTON for analytical parameters prior to approval for use on-site. The analytical data are provided in Appendix C. Photographs 38 and 39 depict the placement of topsoil and the seeded areas.

The main swale that was temporarily diverted during pre-construction (see Section 3.3) through the two corrugated steel pipes was re-established as a swale to convey overflow from the western pond. The swale was constructed in its original location and the temporary corrugated steel pipes removed (see Photograph 40). Short lengths of two 18-inch corrugated steel pipes were

placed in the swale under the access road, and the discharge was stabilized with riprap (see Photograph 41).

An inspector from the Valley Branch Watershed District (VBWD) visited the site on September 2, 2011. The VBWD determined that the vegetation had been restored in accordance with the on-site permit (VBWD Permit #2009-16).

The silt fence was removed from the site on October 25, 2011 and hauled to SKB for disposal. A Notice of Termination for the Stormwater General Permit was filed by TKDA on November 21, 2011. The temporary chain link construction fence was removed on November 2, 2011.

SECTION 3 TABLE

Table 3-1 Summary of Oakdale Excavation
Oakdale, MN

Soil Block	Direct Load/Stockpile No. [1]	Destination SKB (cy)
A1-1	Direct Load	410.31
A1-2	Direct Load	695.27
A1-3	Direct Load	764.01
A 1-4	Direct Load	801.67
A1-5	Direct Load	720.40
A1-6	Direct Load	376.01
A1-7	Direct Load	1273.42
A1-8	Direct Load	844.71
A1-9	Direct Load	1039.42
B1-1	Direct Load	419.64
B1-2	Direct Load	237.29
B1-3	Direct Load	360.57
B1-4	Direct Load	476.47
B1-5	Direct Load	364.92
B1-6	Direct Load	363.44
B1-7	Direct Load	632.24
B1-8	Direct Load	474.89
B1-9	Direct Load	489.56
B1-10	001	107.63
	002	87.07
	003	87.39
	004	87.93
	005	40.31
B1-11	001	132.43
	002	141.01
	003	123.93
	004	86.10
B1-12	Direct Load	391.96
B1-13	Direct Load	383.58
B1-14	Direct Load	389.01
B1-15	Direct Load	367.78
B1-16	Direct Load	396.49
B1-17	Direct Load	403.71
B1-18	Direct Load	396.33
B1-19	Direct Load	436.02
B2-1	Direct Load	496.89
B2-2	Direct Load	253.37
B2-3	001	122.71
	002	115.11
	003	130.06
	004	64.61
B2-4	Direct Load	562.46
B2-5	001	135.94
	002	139.43
	003	129.05
	004	137.27

Table 3-1 Summary of Oakdale Excavation
Oakdale, MN

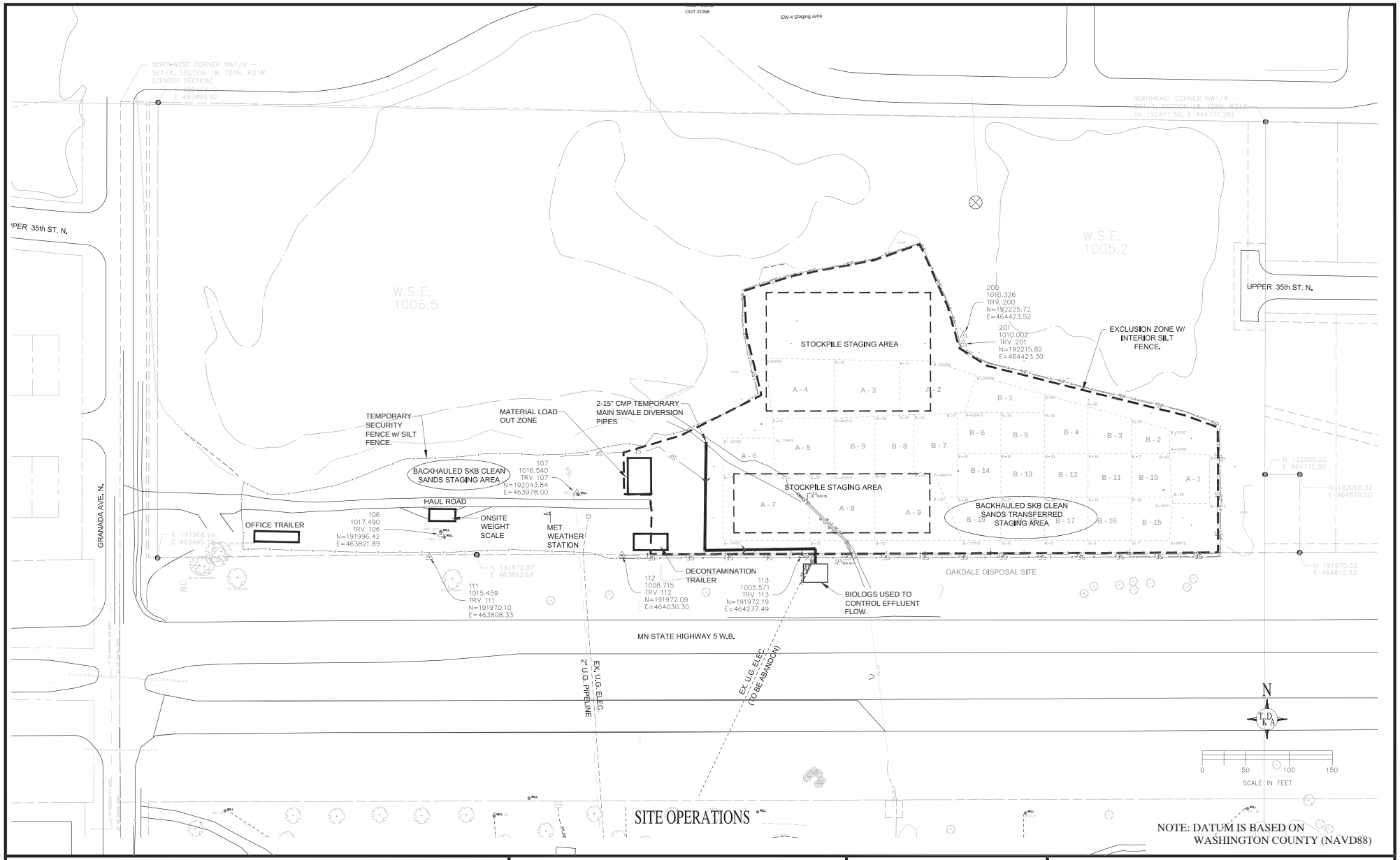
Soil Block	Direct Load/Stockpile No. [1]	Destination SKB (cy)
B2-6	001	104.13
	002	93.41
	003	106.24
	004	123.35
B2-7	Direct Load	716.35
B2-8	Direct Load	483.65
B2-9	Direct Load	556.92
B2-10	001	124.72
	002	119.73
	003	106.66
	004	122.80
B2-11	001	126.42
	002	115.39
	003	115.91
	004	120.15
	005	39.50
B2-12	Direct Load	401.71
B2-13	001	117.85
	002	106.39
	003	105.41
	004	111.45
	005	59.09
B2-14	001	132.14
	002	123.44
	003	142.28
	004	125.38
	005	70.98
B2-15	Direct Load	421.52
B2-16	Direct Load	441.32
B2-17	001	120.40
	002	120.24
	003	126.07
	004	110.42
B2-18	Direct Load	358.39
B2-19	Direct Load	456.90
B3-1	Direct Load	217.51
B3-2	Direct Load	106.18
B3-3	Direct Load	138.89
B3-4	Direct Load	226.85
B3-5	001	129.84
	002	116.21
	003	58.94
B3-6	001	134.09
	002	54.53

Table 3-1 Summary of Oakdale Excavation
Oakdale, MN

Soil Block	Direct Load/Stockpile No. [1]	Destination SKB (cy)
B3-7	Direct Load	27.14
B3-8	Direct Load	11.06
B3-9	Direct Load	216.66
B3-10	Direct Load	376.13
B3-11	001	119.34
	002	124.36
	003	135.47
	004	56.90
B3-12	001	116.55
	002	90.82
	003	123.33
B3-13	001	114.65
	002	110.57
	003	95.70
B3-14	001	108.39
	002	133.89
B3-15	001	128.84
	002	118.06
	003	93.60
B3-16	Direct Load	211.03
B3-17	Direct Load	178.57
B3-18	Direct Load	65.69
B3-19	001	94.57
OKMN Total Volume		**27,950.89**

[1] Each ~100 cy stockpile was staged in two separate sub-piles; i.e., 001-1 and 001-2 represent the two halves of stockpile 001. If no halves are listed, either the stockpile was less than ~50 cubic yards or both halves went to the same destination.

SECTION 3 FIGURES



TKDA
ENGINEERING • ARCHITECTURE • PLANNING

444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-1 Site Operations Oakdale Site

Plot Date: 11/28/2011
Drawing name: K:\Minn\vol\oakdale\Soil Removal Project\C3D\3-Oak_A_B\Source Drawings\CCPU2011-11-16-A_n_B-SiteOperation.dwg
Xrefs: _A_B-Elevation, 3M-Outlier Field Map

LEGEND

A1-4 Soil Block ID

Soils for Ex-situ Sampling (Note 2)

Solid Waste for Direct Load

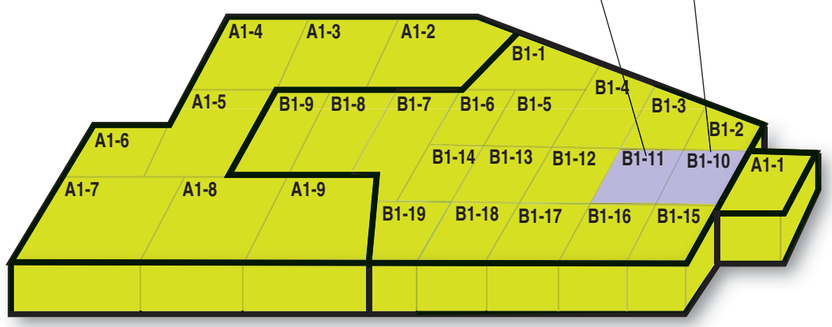
Soil Block May Not Require Excavation, Based on Measured Groundwater Level

BGS Below Ground Surface

NORTH

SAMPLE KEY		Limit (ppm) SRVs(1)	Limit (ppm) TCLP(3)
1,1,2 - TCA	1,1,2-Trichloroethane	14	NL
1,2 - DCA	1,2-Dichloroethane	6	0.5
TCE	Trichloroethene	46	0.5
P	PCBs	50(2)	NL

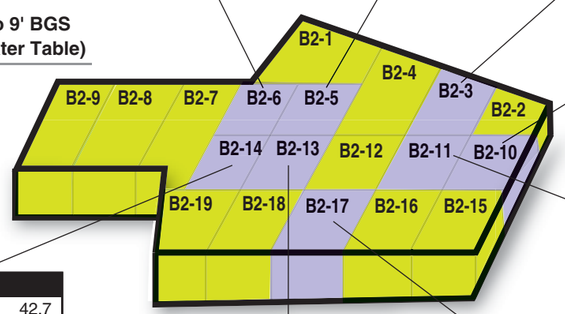
Layer 1: 0' to 4' BGS



B1-11	
1,2-DCA[a,c]	63.8

B1-10	
1,2-DCA[a]	9.56

Layer 2: 4' BGS to 9' BGS (or 1' Above Water Table)



B2-6	
1,2-DCA[a,c]	7.25

B2-5	
1,1,2-TCA[a]	7.40 (33.7)
1,2-DCA[a,b]	7.0 (35.2)
TCE[a,b]	23.9 (98.2)

B2-3	
1,2-DCA[a,c]	22.3 (24.7)

B2-10	
1,2-DCA[a,c]	209
TCE[a,c]	82.4

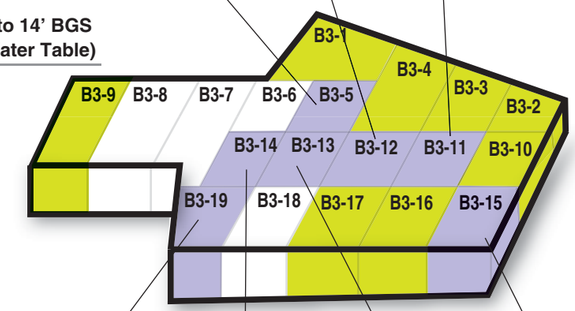
B2-11	
1,2-DCA[a,c]	44.5
P	55.8

B2-14	
1,1,2-TCA[a]	42.7
1,2-DCA[a,b]	89.5
TCE[a,b]	121

B2-13	
1,1,2-TCA[a]	19.1 (19.1)
1,2-DCA[a,c]	47.6 (47.9)
TCE[a,b]	93.1 (76.2)

B2-17	
1,2-DCA[a,c]	10.7

Layer 3: 9' BGS to 14' BGS (or 1' Above Water Table)



B3-5	
1,2-DCA[a,b]	6.45
TCE[b]	20.4

B3-12	
1,2-DCA[a,c]	35.5

B3-11	
1,2-DCA[a,c]	69.5

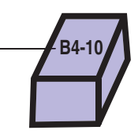
B3-19	
1,2-DCA[a,c]	144

B3-14	
1,2-DCA[a,c]	14.2

B3-13	
1,2-DCA[a,c]	13.3

B3-15	
1,2-DCA[a,c]	64.4

Layer 4: 14' BGS to 15.6' BGS (or 1' Above Water Table)



B4-10	
1,2-DCA[a,c]	1.15 (90.3)

WATER TABLE ELEVATIONS	
Grid Location	Minimum Elevation of Excavation Bottom (amsl)
B-1	1001.43
B-2	1001.83
B-3	1002.18
B-4	1001.96
B-5	1001.77
B-6	1005.58
B-7	1004.88
B-8	1004.98
B-9	1001.37
B-10	1000.50
B-11	1000.18
B-12	1001.23
B-13	1001.22
B-14	1002.85
B-15	998.42
B-16	999.72
B-17	1000.01
B-18	1001.75
B-19	1001.03

Notes:

1. Conceptual drawing only – actual grid points to be field-located by licensed, independent surveyor.
2. Soil analyses indicate concentrations greater than:
   - 20 times the TCLP limit (where there is no corresponding TCLP sample)
   - 50 ppm total PCBs
   - Tier 2 Industrial SRVs for individual constituents
3. Sampling notes:
   a. To be sampled for total VOCs
   b. To be sampled for TCLP (Toxicity Characteristic Leaching Procedure)
   c. Sample passed TCLP
4. Regulatory levels
   (1) = Tier 2 Industrial Soil Reference Values (SRV), MPCA, 6/09.
   (2) = Toxic Substance Control Act (TSCA) reference level.
   (3) = Toxicity Characteristic Leaching Procedure EPA Hazardous Level.
   NL = TCLP regulatory level is not listed for this compound.

09P-0938-11

FIGURE 3-2 SOIL DISPOSAL PROFILE
OAKDALE SITE
OAKDALE, MN

(2)

765679

SKB ENVIRONMENTAL

SKB Rosemount Industrial Waste Facility

Shipping Manifest

1. Generator's US EPA ID No. *(if any)* M N D 9 8 0 6 1 9 2 6 6

2. Page 1 of page(s)

3. Generator's Name and Facility Address
3M Company Oakdale Cleanup
3061 Hadley Ave.
Oakdale, MN 55128

Mailing Address

4. Generator's Phone (651) 737-3635

Fax

5. Transporter 1 Company Name
Metro Gravel

Phone:

6. Transporter 2 Company Name

Phone:

7. Designated Facility Name and Site Address
SKB Rosemount Industrial Waste Facility
13425 Courthouse Blvd.
Rosemount, MN 55068 651-438-1500

8. U.S. DOT Description *(including Proper Shipping Name)*	9. Containers No.	Type	10. Total Quantity	11. Unit Wt/Vol	12. Waste Profile Sheet #
a. Non-Hazardous Industrial Waste (Oakdale Soil Waste) B1-8	001	DT			
b.					
c.					
d.					

13. Additional Descriptions for Materials Listed Above *(indicate waste stream Approval # below)*
a. MI 10-0266 Oakdale Soil Waste
b. MI
c. MI
d. MI

14. Special Handling Procedures for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Contact:

SKB Use Only
Load # _____
Scale Wt. _____
Tons/Yds. _____

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name: Jim Kotsmith | Signature: Jo K Kot | Month 02 Day 02 Year 11

17. Transporter 1 Acknowledged of Receipt of Materials

Printed/Typed Name: Rich Caldwell | Signature: D Caldwell | Month 02 Day 02 Year 11

18. Transported 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this Manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR

TRANSPORTER

FACILITY

White - Return to Generator
Canary - Facility Copy
Pink - Transporter
Goldenrod - Generator Copy

11P-0938-12

FIGURE 3-3 SKB SHIPPING MANIFEST

WESTON SOLUTIONS
Restoring Resource Efficiency

DAILY TRUCK NUMBER: 2

SKB Non-Hazardous Material Haul Truck Inspection (OKMN)

1. Date: 2/02/2011

2. Unique Container ID (Trailer # - Manifest #): 114 - 765679 2b. Truck #: 604

3. Transporter ID: Metro Gravel

ARRIVAL INSPECTION

4. Time of Arrival: 8:30	Yes	No
5. Is truck hauling sand to the Site? If no, proceed to No. 6.	X	
5.a. If yes, cite source of soil. SKB		
5.b. Is the truck covered?	X	
5.c. Is sand free from debris, roots, large rocks, or free water?	X	
6. Are truck tires, undercarriage, and body clean?	X	
7. Issues and/or items of discussion:		

GROSS (LBS)	TARE (LBS)	NET WEIGHT (LBS)	NET WEIGHT (TONS)	SOIL BLOCK SOURCE / STOCKPILE #
83,680	31,240	52,440	26.22	B1-8

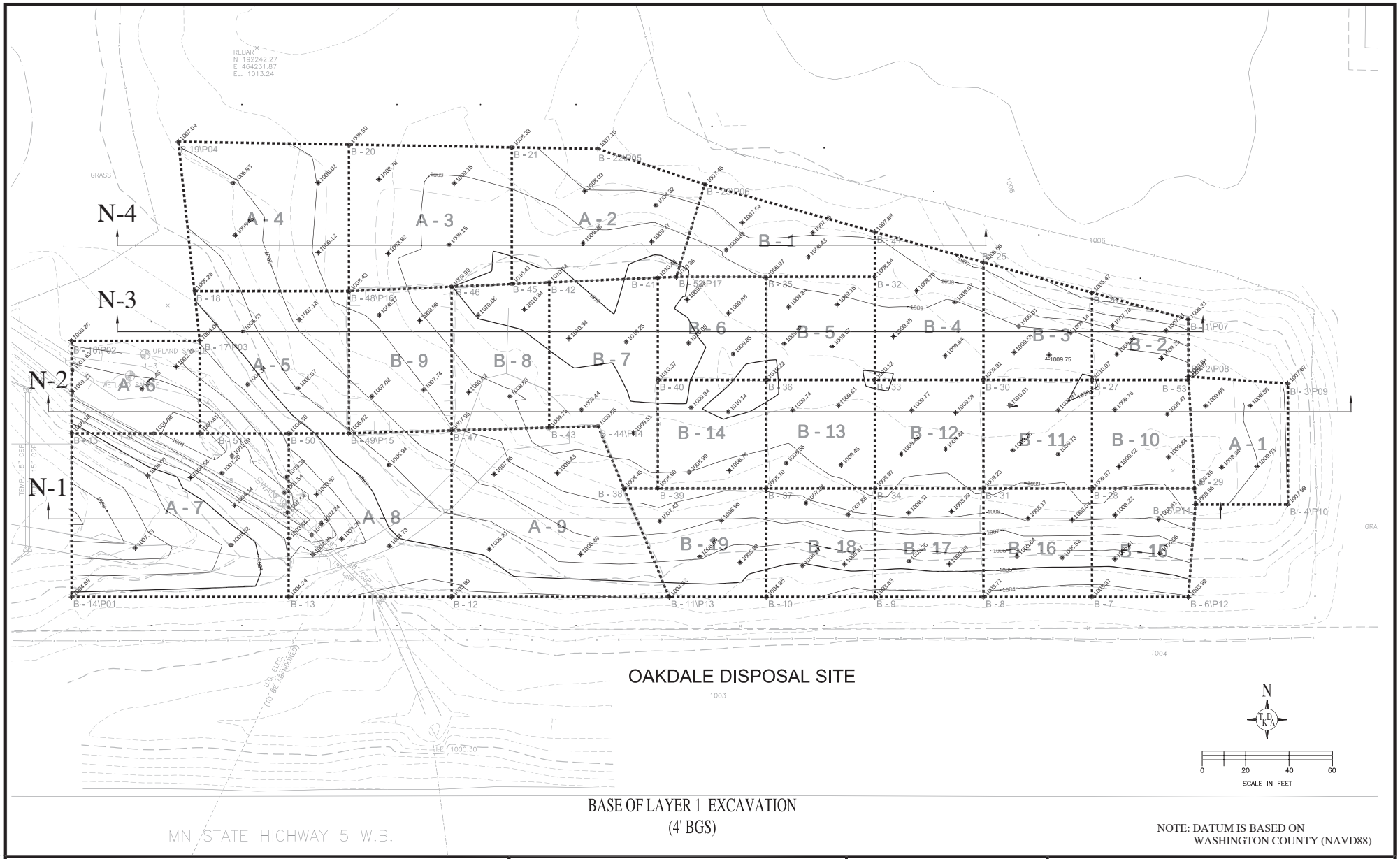
Departure Inspection

8. Time of departure: 8:50	Yes	No
9. Is truck hauling soil from the site?	X	
9.a. If yes, cite destination. If no, proceed to No. 10. SKB		
9.b. Is the container liner in place and secure?	X	
9.c. Is soil lower than the sides of the truck?	X	
9.d. Is the tarp in good condition and properly secured over the soils in the truck bed?	X	
9.e Is the tailgate of the truck secure?	X	
9.f. Has a copy of the manifest been signed and received by the driver?	X	
9.g. Has the "Generators Initial Copy" been retained by Weston?	X	
9.h. Was Non-Soil Material loaded in the Mainfested Container? If yes, explain below.		X
10. Are truck tires, undercarriage, and body clean?	X	
11. Issues and/or items of discussion.		

C:\Users\William\Documents\Weston Solutions\OKMN File\OKMN SKB File\OKMN SKB Info\SKB Haul Truck Inspection Blank,SKB Truck Inspection

11P-0938-13

FIGURE 3-4 SKB HAUL TRUCK INSPECTION



BASE OF LAYER 1 EXCAVATION
(4' BGS)

NOTE: DATUM IS BASED ON
WASHINGTON COUNTY (NAVD88)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

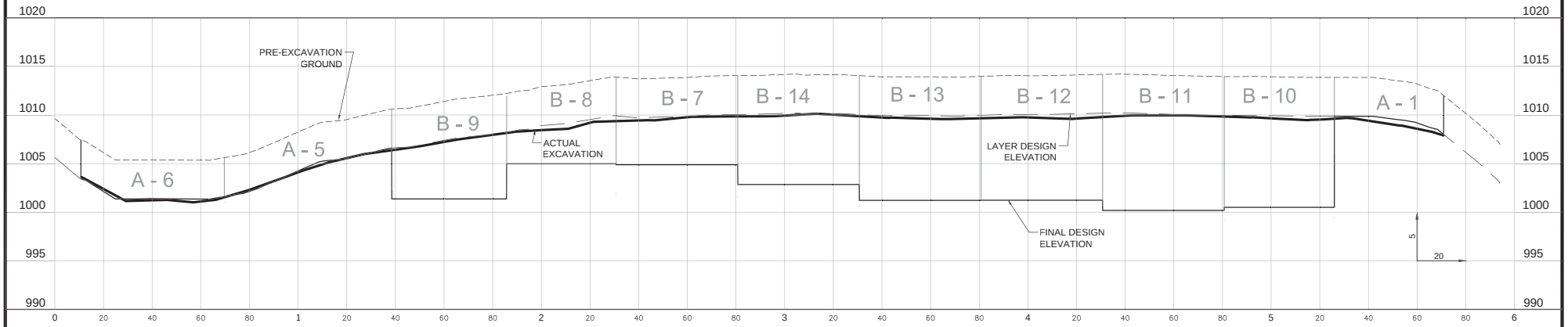
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

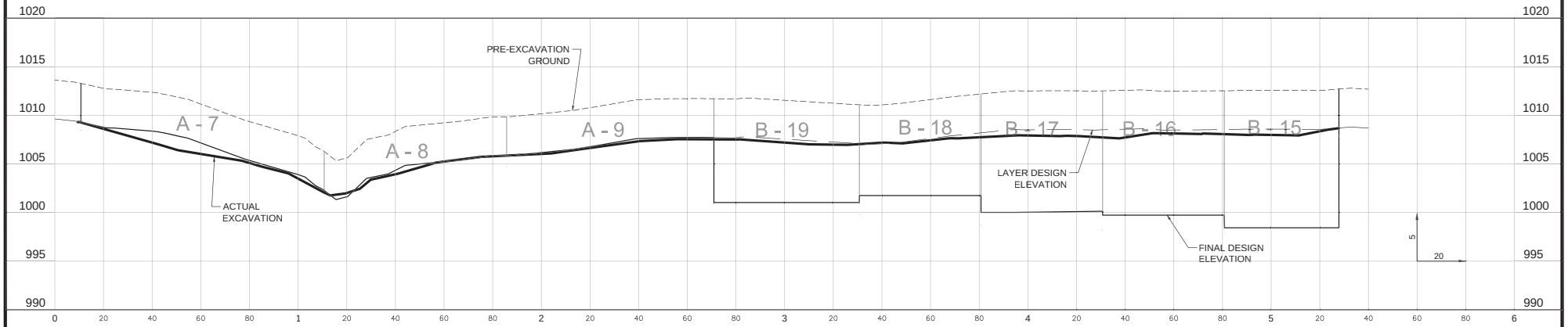
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-5 Base of Layer 1 Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Winvog\oakdale\04 Removal Project\C3D\3-Oak_A_B\Source Drawings\CCR\2011-11-16-A_n_B-FinalExcavationLayer1-4ft.dwg
Xrefs: _A_n_B-Excavation_3D-Oakdale Field Mark



N-2



N-1

BASE OF LAYER 1 EXCAVATION
(4' BGS)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

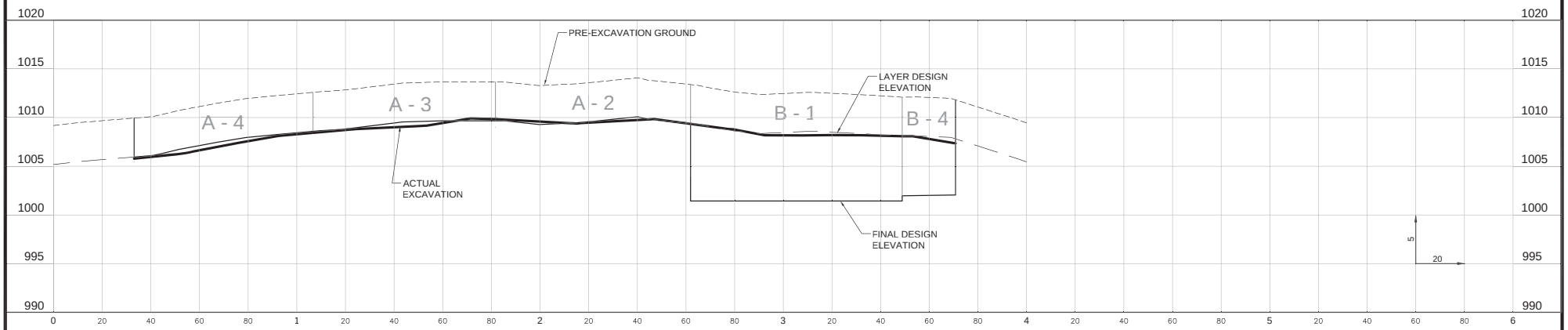
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

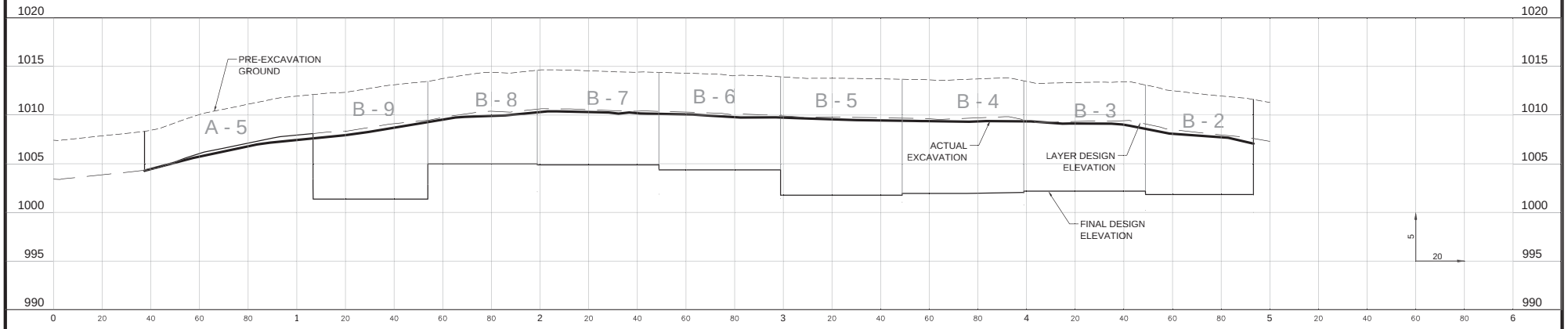
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-6 Layer 1 Cross Sections (N-1 and N-2) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCR\2011-11-18-A_n_B-FinalExcavationLayer1-4ft.dwg
Xrefs: _A_n_B-Excavation_3D-Oakdale Field Model



N-4



N-3

BASE OF LAYER 1 EXCAVATION
(4' BGS)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

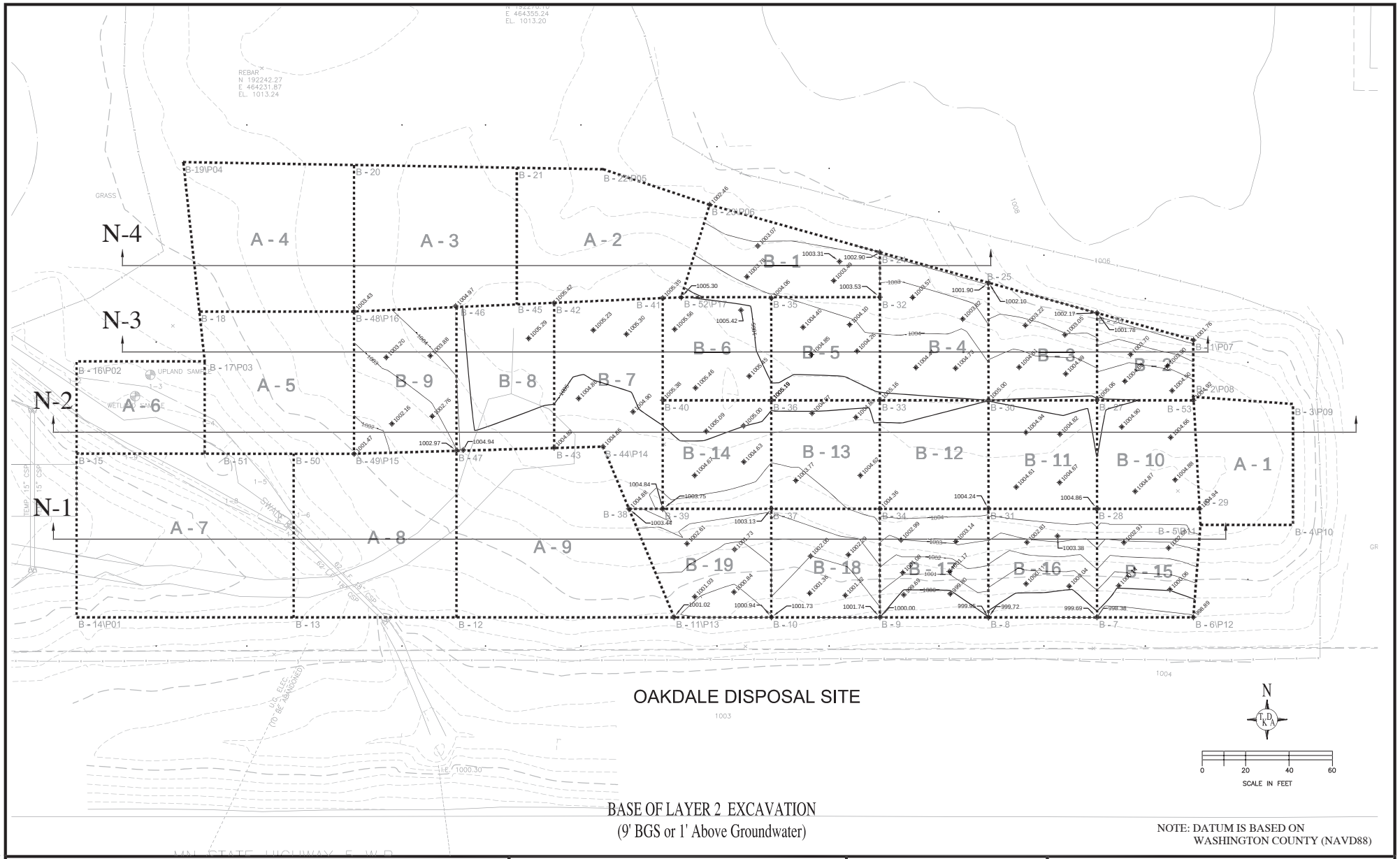
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-7 Layer 1 Cross Sections (N-3 and N-4) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCPr\2011-11-16-A_n_B-FinalExcavationLayer1-4ft.dwg
Style: _A_n_B-Excavation_3D-Oakdale Field Made



BASE OF LAYER 2 EXCAVATION
(9' BGS or 1' Above Groundwater)

NOTE: DATUM IS BASED ON
WASHINGTON COUNTY (NAVD88)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

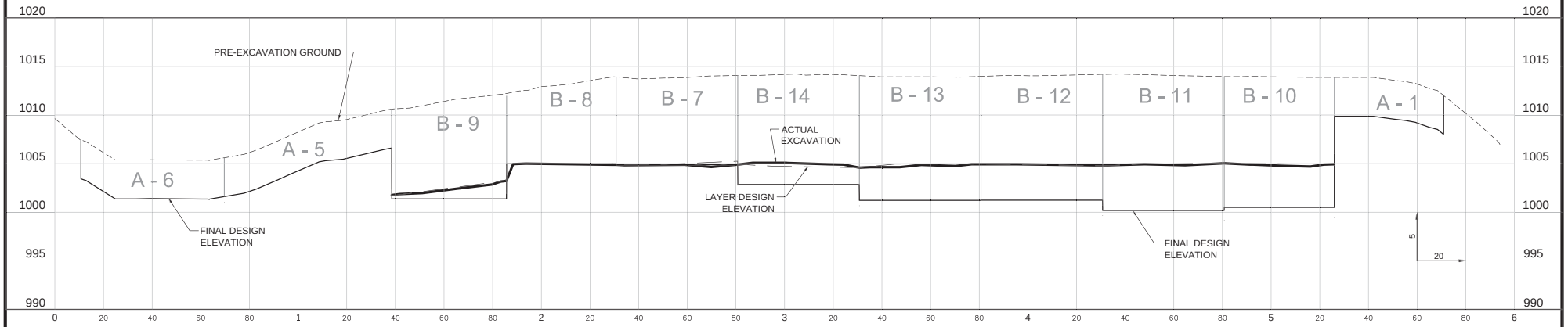
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

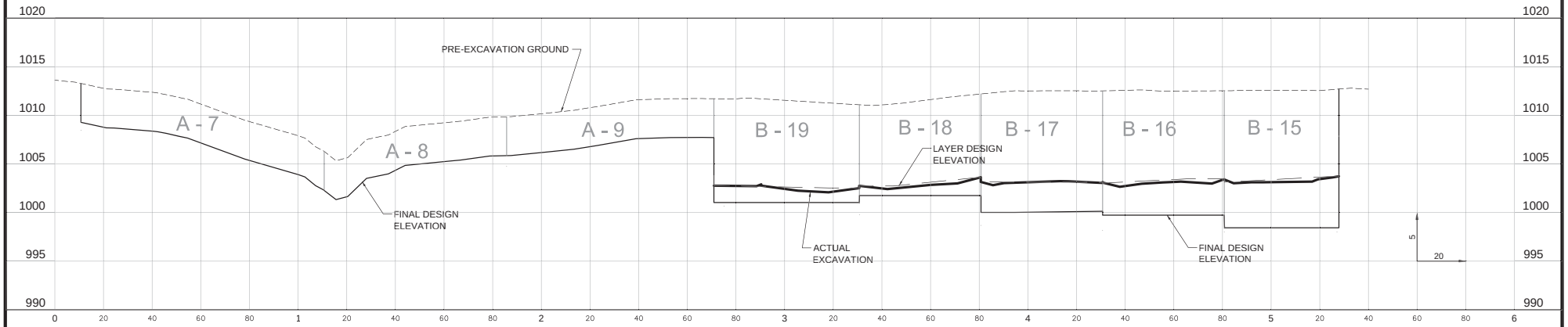
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-8 Base of Layer 2 Oakdale Site

Plot Date: 11/28/2011
Drawing name: K:\Work\Oakdale\Soil Removal Project\C3D\11-11-16-A_B\Source Drawings\CCR\2011-11-16-A_B-FinalExcavationLayer2-9ft.dwg
XREF: _A_B-Excavation_3D-Outlines Field Made



N-2



N-1

BASE OF LAYER 2 EXCAVATION
(9' BGS or 1' Above Groundwater)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

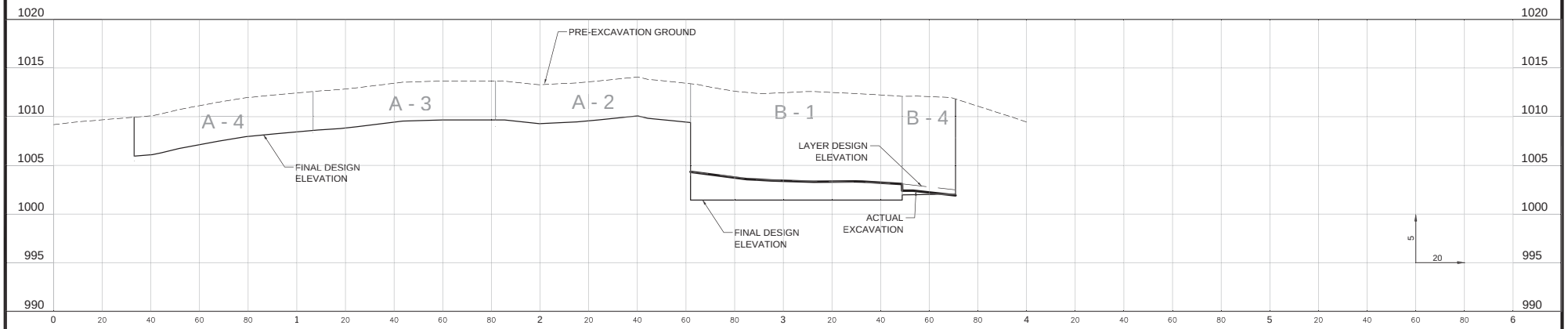
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

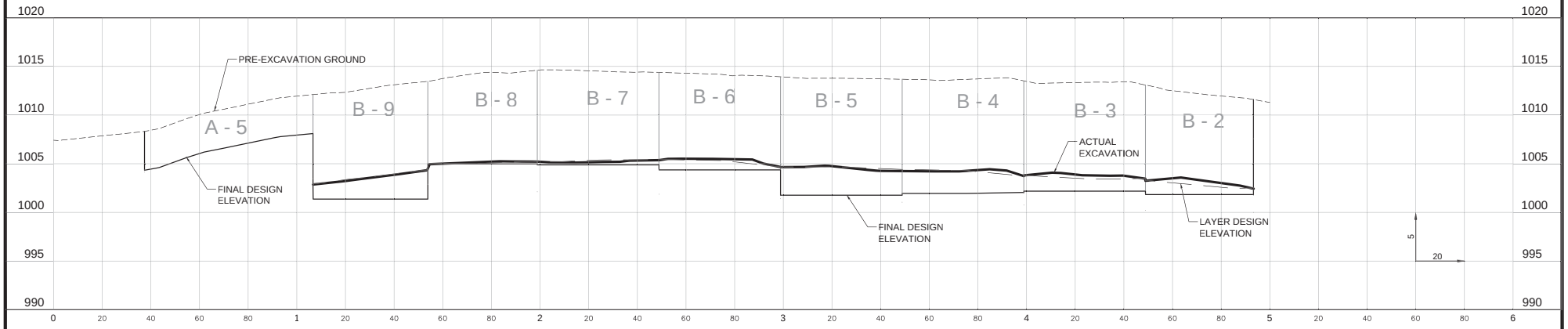
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-9 Layer 2 Cross Sections (N-1 and N-2) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCR\2011-11-15-A_n_B-FinalExcavationLayer2-9ft.dwg
Style: _A_n_B-Section_3D-Double Field Meter



N-4



N-3

BASE OF LAYER 2 EXCAVATION
(9' BGS or 1' Above Groundwater)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

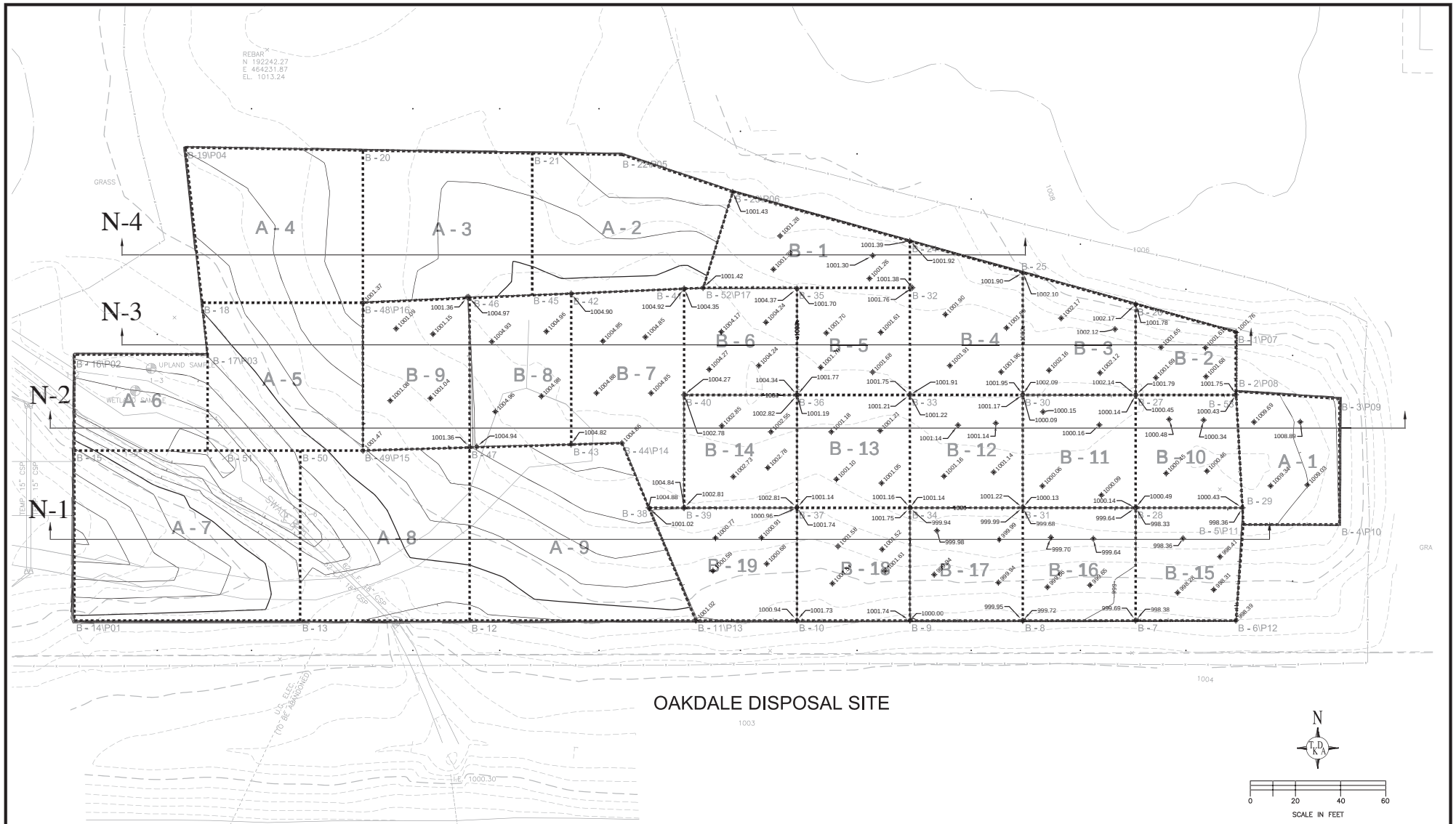
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-10 Layer 2 Cross Sections (N-3 and N-4) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCP\2011-11-16-A_n_B-FinalExcavationLayer2-9ft.dwg
Style: _A_n_B-Excavation_3D-Oakdale Field Made



BASE OF LAYER 3 EXCAVATION
(14' BGS or 1' Above Groundwater)

NOTE: DATUM IS BASED ON
WASHINGTON COUNTY (NAVD88)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

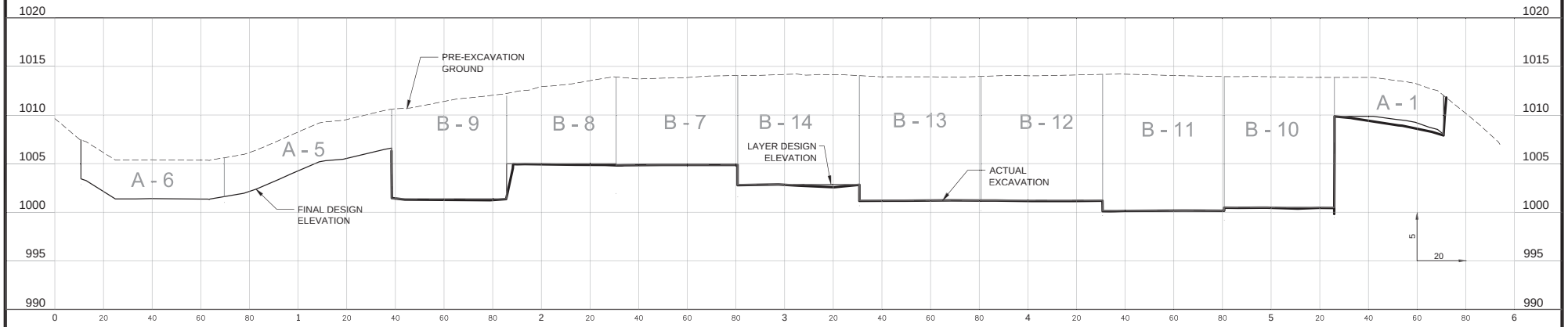
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

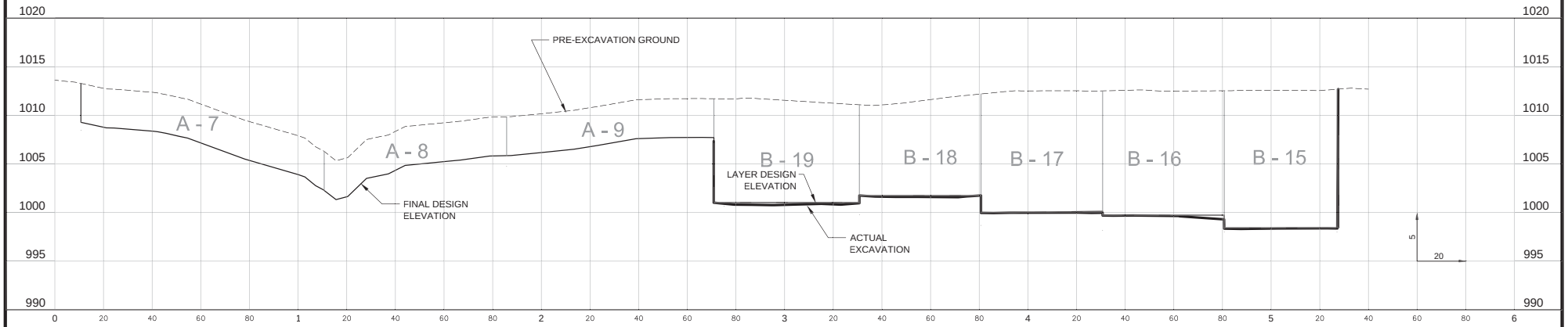
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-11 Base of Layer 3 Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Work\Volume\Soil Removal Project\C3D\3-Oak_A_B\Source Drawings\CCPU\2011-11-16-A_n_B-FinalExcavationLayer3-14ft.dwg
Xrefs: _A_n_B-Existing_3DGeotech_Field Mark



N-2



N-1

BASE OF LAYER 3 EXCAVATION
(14' BGS or 1' Above Groundwater)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

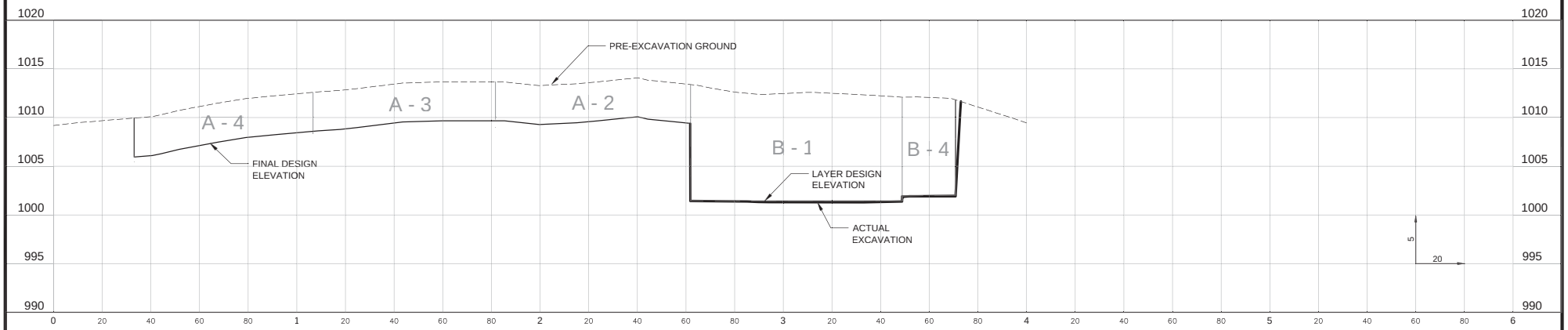
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

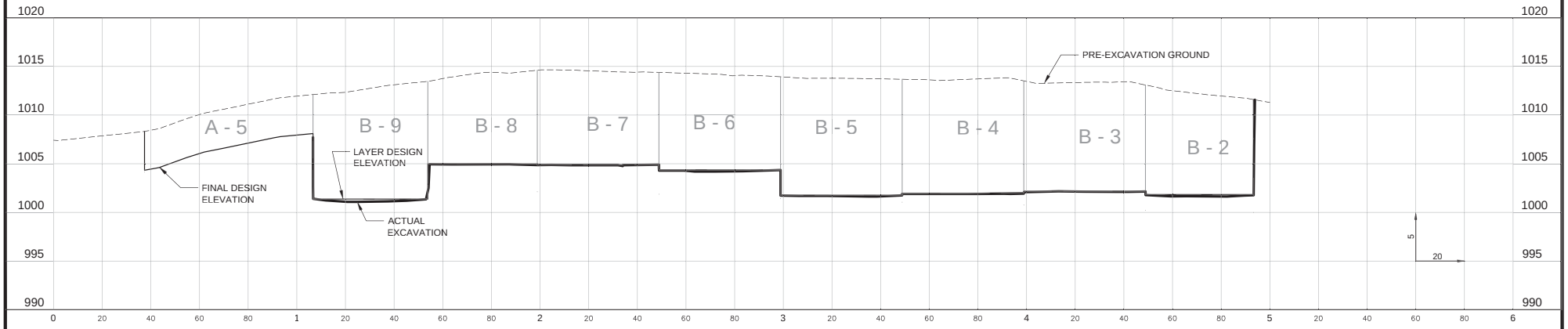
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-12 Layer 3 Cross Sections (N-1 and N-2) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\3-Oak_A_B\Source Drawings\CCP\2011-11-15-A_n_B-FinalExcavationLayer3-14ft.dwg
Xrefs: _A_n_B-Excavation_3D-Oakdale Field Model



N-4



N-3

BASE OF LAYER 3 EXCAVATION
(14' BGS or 1' Above Groundwater)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

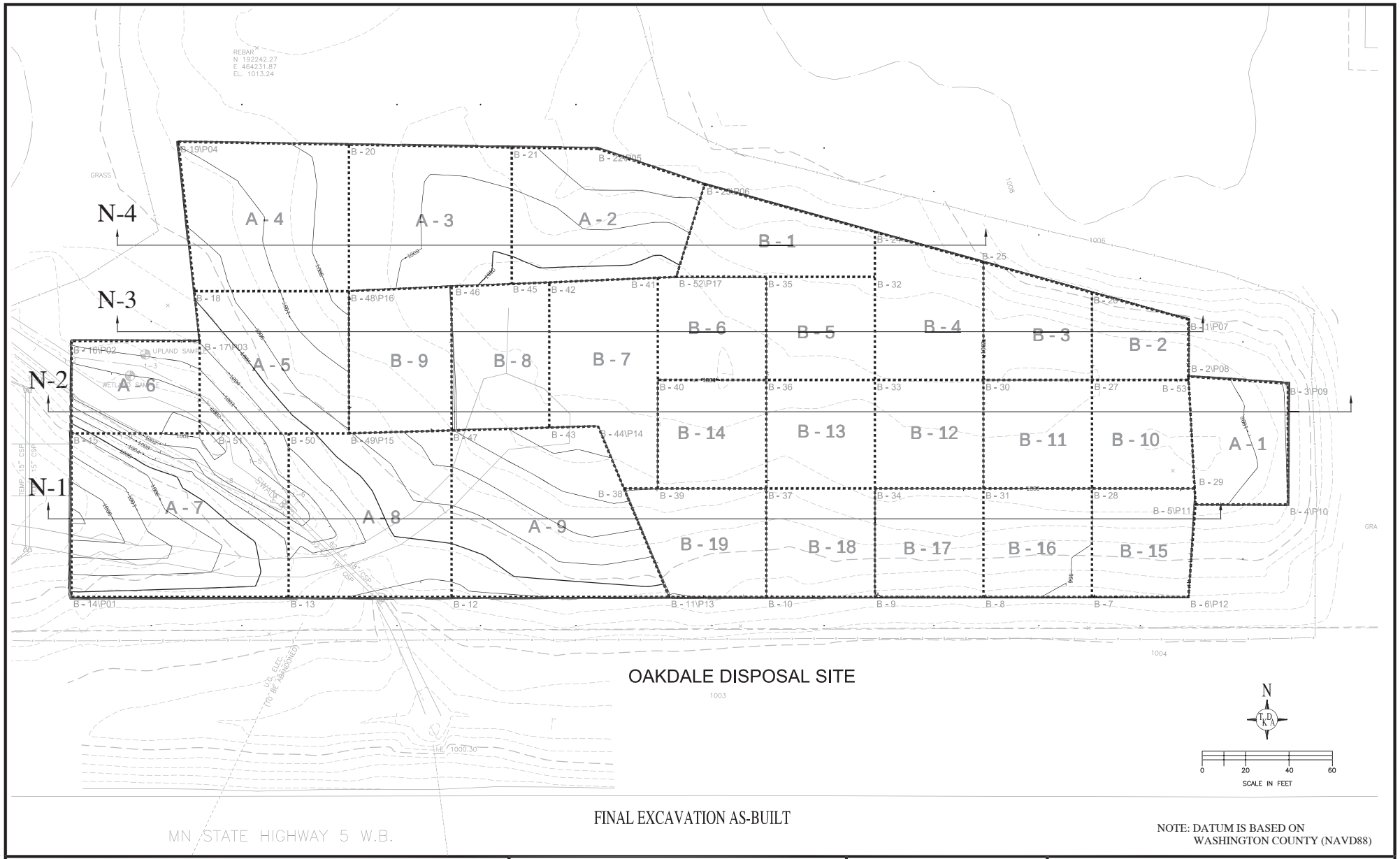
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-13 Layer 3 Cross Sections (N-3 and N-4) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCP\2011-11-16-A_n_B-FinalExcavationLayer3-14ft.dwg
Style: _A_n_B-Excavation_3rd Quarter Field Meet



FINAL EXCAVATION AS-BUILT

NOTE: DATUM IS BASED ON WASHINGTON COUNTY (NAVD88)

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

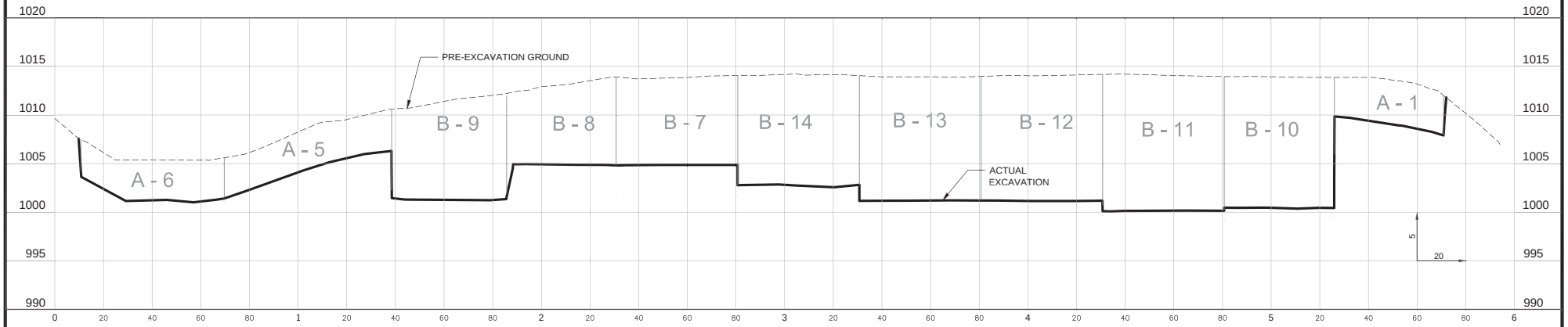
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

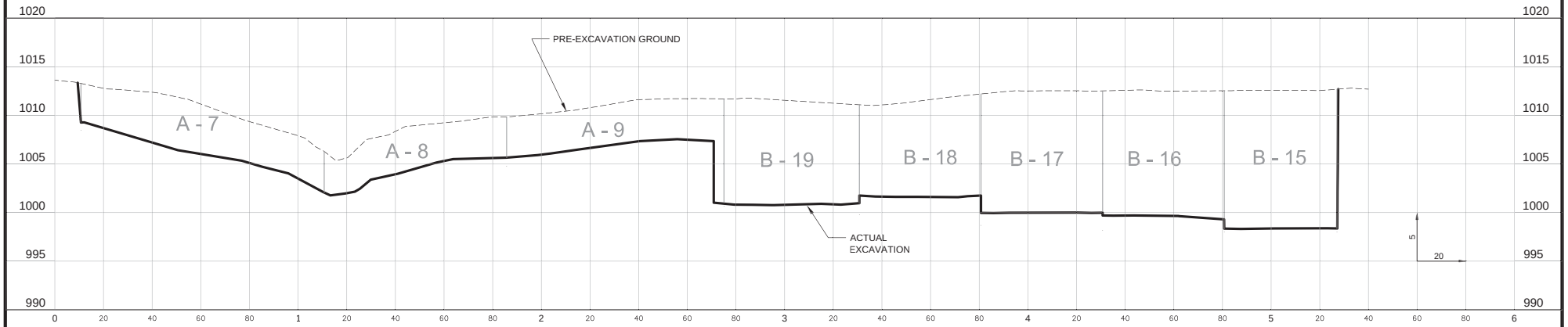
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-14 Final Limits (Final Excavation As-Built) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Winvhgs\oakdale\Soil Removal Project\C3D\3-Oak_A_B\Source Drawings\CCPU2011-11-16-A_n_B-FinalExcavationAs-Built.dwg
Xrefs: _A_B-Excavation_3D-Outline-Field Meas



N-2



N-1

FINAL EXCAVATION AS-BUILT

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

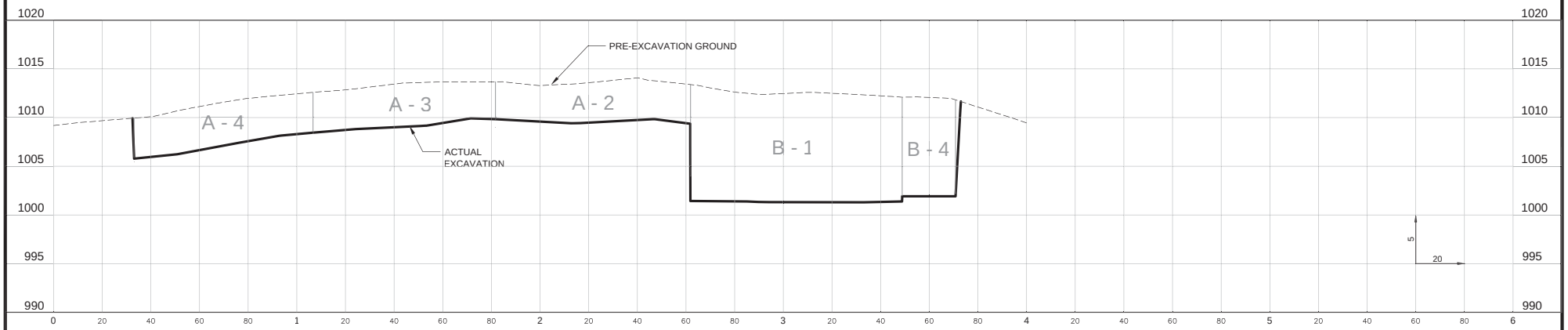
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

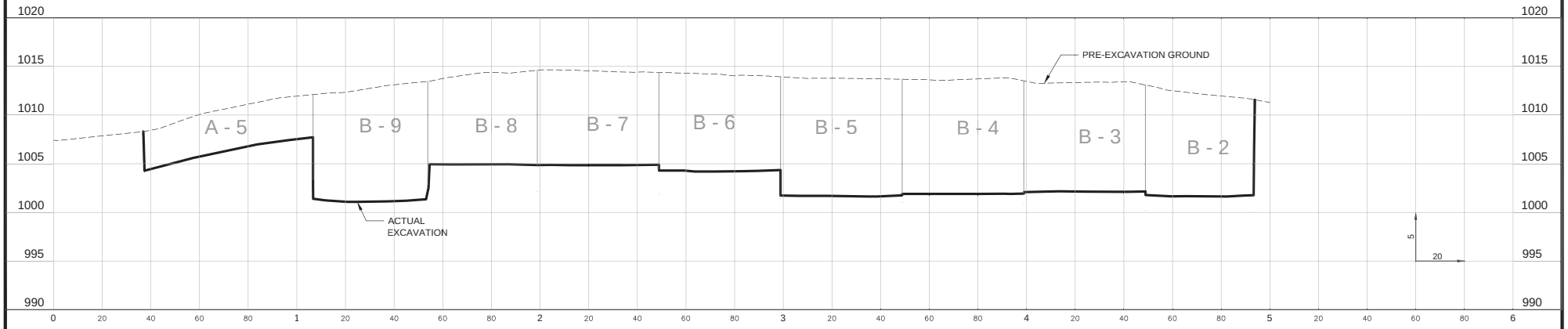
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-15 Final Limits (Final Excavation As-Built) Cross Sections (N-1 and N-2) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\Oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCPC\2011-11-15-A_n_B-FinalExcavationAs-Built.dwg
Xrefs: _A_n_B-Excavation_3D-Outlines Field Made



N-4



N-3

FINAL EXCAVATION AS-BUILT

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-16 Final Limits (Final Excavation As-Built) Cross Sections (N-3 and N-4) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCP\2011-11-16-A_n_B-FinalExcavationAs-Built.dwg
Layout: _A_n_B-Excavation_3D-Oakdale Field Made

Legend

- Fenceline
- Excavate to 4 Feet Below Grade
- Area of Soil (PFOS > 1.0 ppm)
- Excavation to Groundwater Table
- Perimeter Monitoring Location

Map Source:
ESRI, Bing Mapping Service

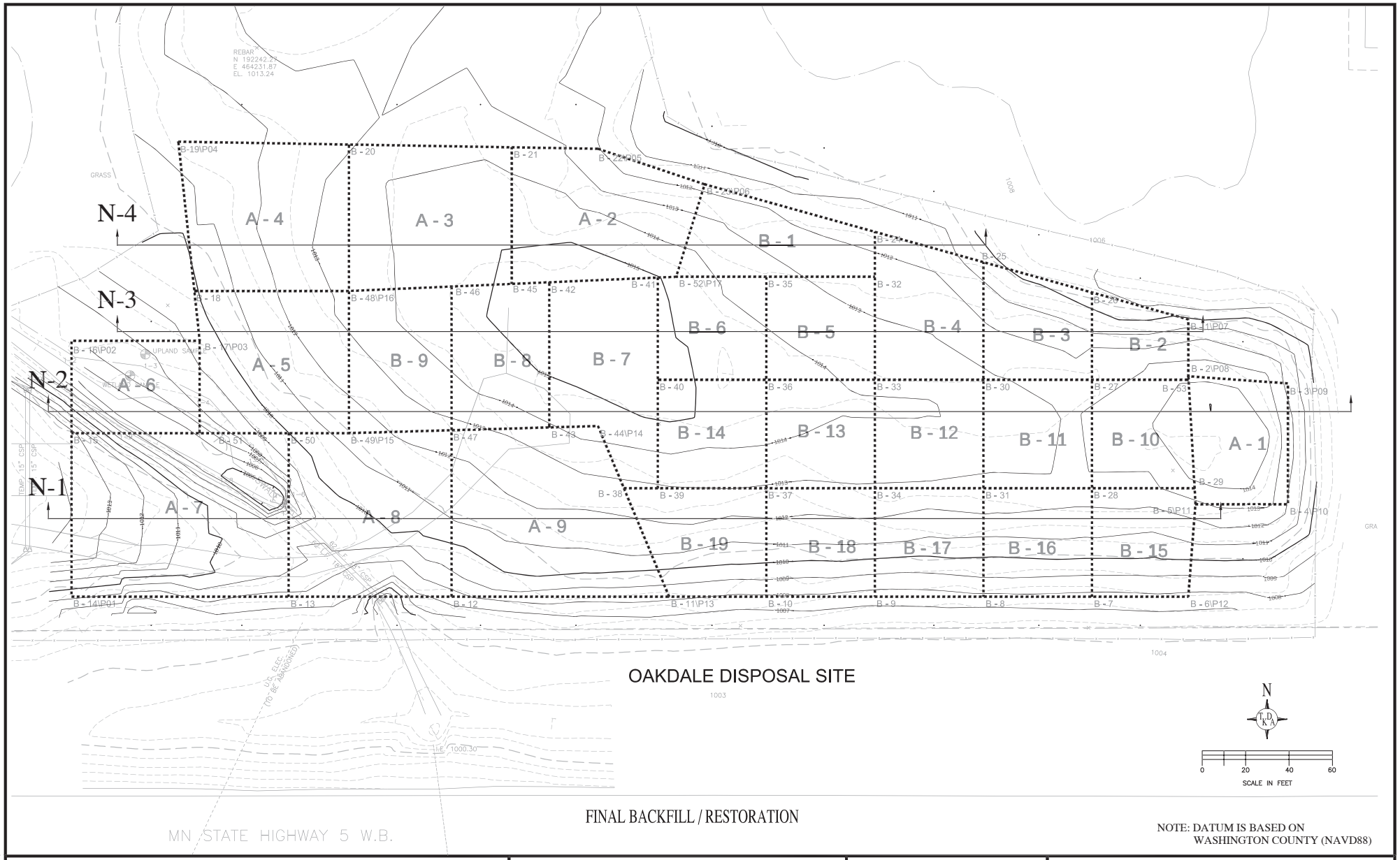
N
W E
S

0 100 200
Feet

Figure 3-17
Perimeter Monitoring Locations

Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\Potential_air_monitoring_loc.mxd, 11/9/2011 2:51:53 PM, ricksc



FINAL BACKFILL / RESTORATION

NOTE: DATUM IS BASED ON WASHINGTON COUNTY (NAVD88)

MN STATE HIGHWAY 5 W.B.

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

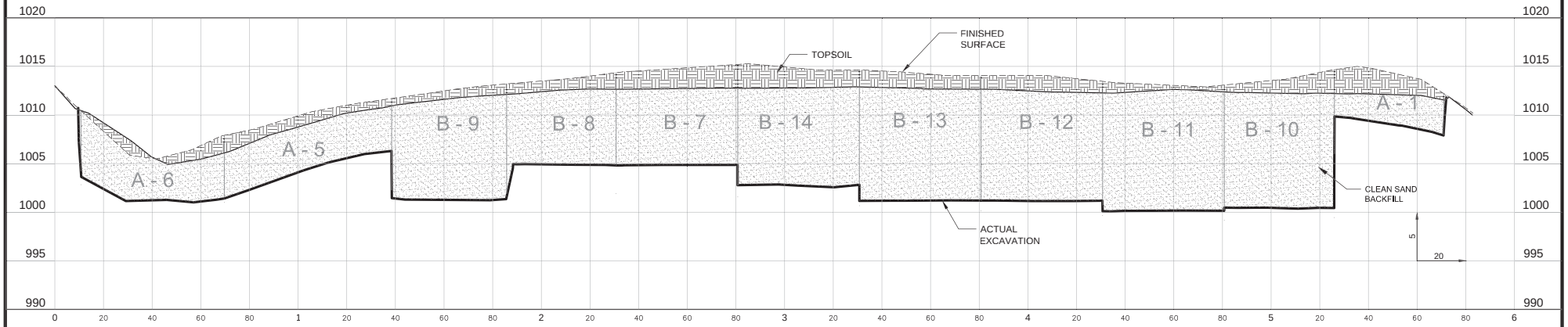
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

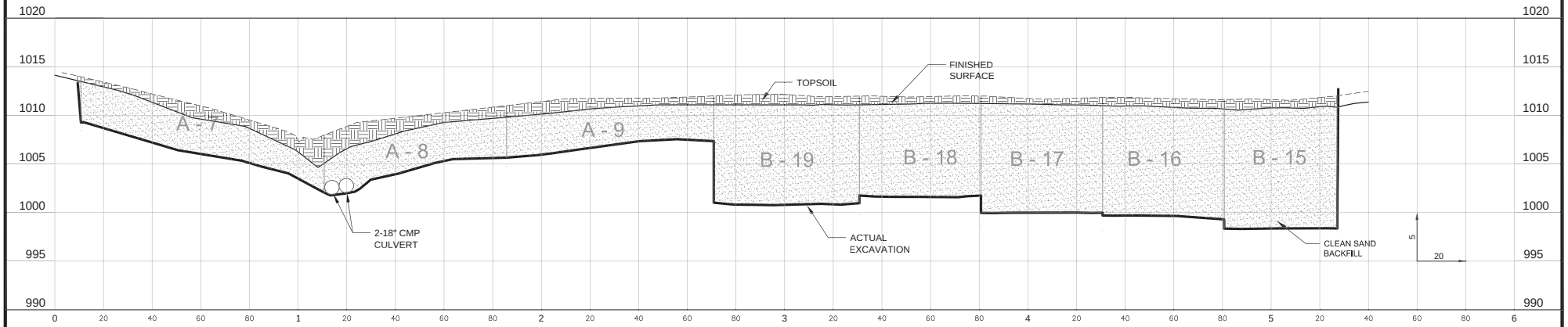
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-18 Backfill / Restoration Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Wrdvgp\oakdale\Soil Removal Project\C3D\3-Oak_A_B\Source Drawings\CCPU2011-11-16-A_n_B-FinalBackfill.dwg
Xrefs: _A_n_B-Existing_3DOakdale Field Mark



N-2



N-1

FINAL BACKFILL / RESTORATION

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

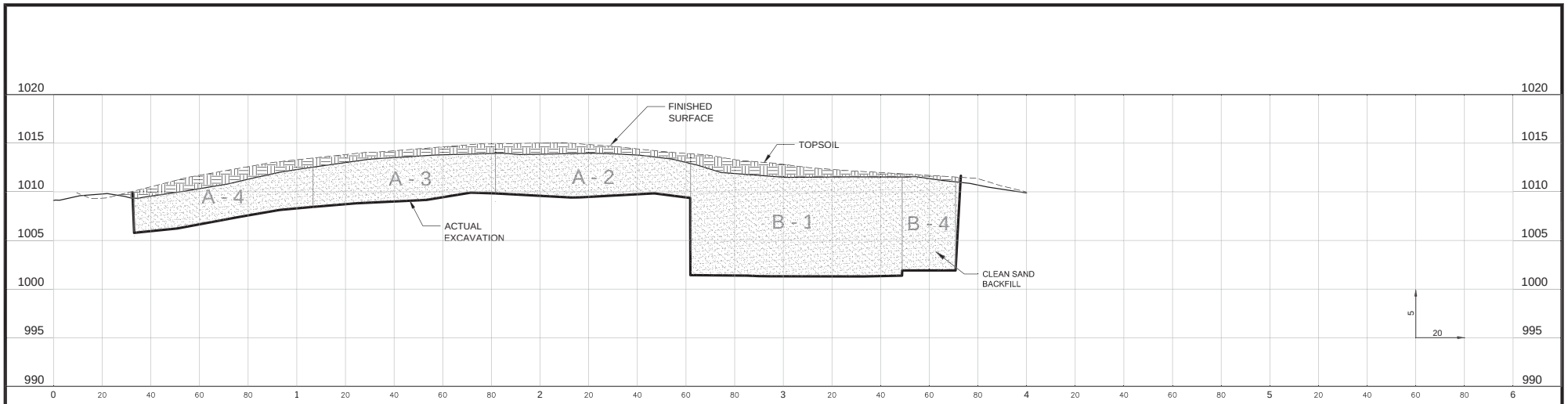
444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

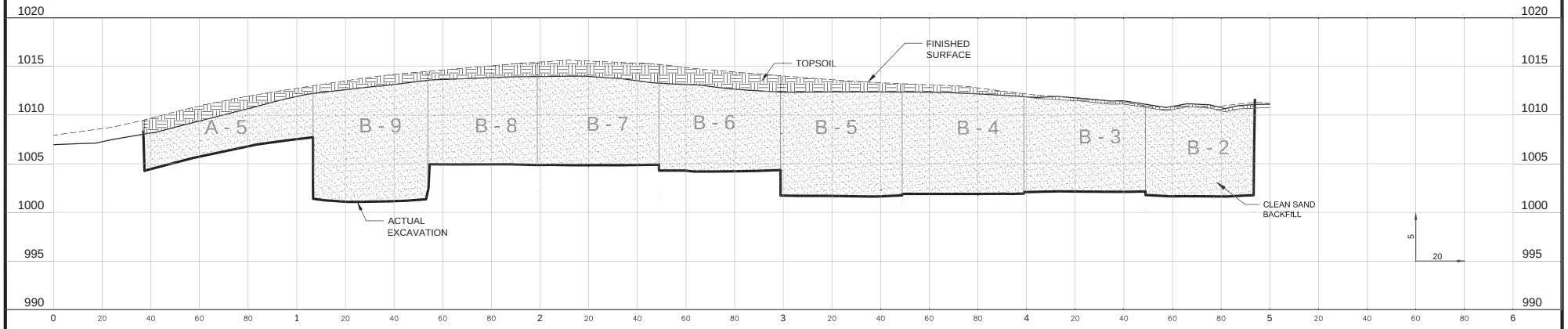
3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-19 Backfill / Restoration Cross Sections (N-1 and N-2) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\Oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCP\2011-11-16-A_n_B-FinalBackfill.dwg
Xrefs: _A_n_B-Excavation_3D-Outlines Field Model



N-4



N-3

FINAL BACKFILL / RESTORATION

TKDA
ENGINEERING • ARCHITECTURE • PLANNING

444 Cedar Street, Suite 1500
Saint Paul, Minnesota
55101-2140

WESTON SOLUTIONS

3M PROJECT I.D. 0055061
OAKDALE, MINNESOTA
JULY 19, 2011

Figure 3-20 Backfill / Restoration Cross Sections (N-3 and N-4) Oakdale Site

Plot Date: 11/28/2011
Drawingname: K:\Im\dwg\oakdale\Soil Removal Project\C3D\1-Oak_A_B\Source Drawings\CCP\2011-11-16-A_n_B-FinalBackfill.dwg
Style: _A_n_B-Excavation_3D\Oakdale Field Made

4. CONSTRUCTION COMPLETION – GROUNDWATER ALTERNATIVE GW-1

The following sections include a summary of the activities conducted to implement the Groundwater Alternative GW-1 components pertaining to Oakdale Site as presented in the MDD and the MPCA-approved RD/RA Plan.

4.1 INITIAL GROUNDWATER EXTRACTION AND TREATMENT SYSTEM ACTIVITIES

4.1.1 Description of System

As stated in the RD/RA Plan, Alternative GW-1 consists of enhanced groundwater extraction with two primary goals:

- Provide capture, prevent off-site migration of groundwater south-southeast of Highway 5 (near monitoring wells W205 and W33), and control surface water discharge.
- Decrease the time to capture groundwater north of Highway 5.

Four of the initial extraction wells (i.e., wells installed in 1985) (PW2, PW4, PW6 and PW11) each operate continuously at a rate of approximately 10 to 20 gpm. The other three initial extraction wells (PW1, PW3 and PW10) operate intermittently, each averaging a flow rate of less than 0.5 gpm. The steady-state combined flow rate of these extraction wells is approximately 40 gpm.

Based on groundwater modeling, which is discussed in detail in the FS Report, it was anticipated that 14 new extraction wells would need to be installed at the Site to provide hydraulic containment of PFCs in groundwater. One of these wells would be installed on the north side of Highway 5 and the remaining 13 extraction wells would be installed on the south side. The new extraction wells would be completed in coarser (higher yielding) materials at depth to recover groundwater containing PFCs more rapidly while acting as a “drain” to remove water from the lower yielding shallow alluvium.

It was estimated that a total flow of approximately 50 to 55 gpm would be extracted from the 14 new extraction wells. The groundwater extraction system would need to be operated such that the adjoining wetlands and water in the drainageway would be maintained to the extent possible. The extraction wells would be routed to a new groundwater treatment system for PFC removal. Treated groundwater would be discharged to the publicly owned treatment works (POTW), in accordance with the Industrial Discharge Permit (Special Discharges) Number 2021 issued by MCES.

The 13 new extraction wells south of Highway 5 were installed in April 2008. The pumps and conveyance piping were installed in September and October 2008, and pumping of the extraction system commenced on November 4, 2008. Groundwater from the extraction wells was initially pumped directly to the POTW. However, after completion of the new groundwater treatment system, extracted water was sent to this system. The physical transition from discharge directly to the POTW to discharge through the groundwater treatment system sewer connection occurred on December 18, 2009.

During early 2010, final installation of the groundwater treatment system equipment was completed, and on March 31, 2010, full-scale operation of the system was initiated. Startup, shakedown and punch-list items were completed in April and May 2010. The construction of the treatment building and the construction/site-related punch-list items were completed on June 10, 2010.

The treatment system is configured as follows (see Figure 4-1):

- The discharge from each well is conveyed through a separate, underground high density polyethylene (HDPE) pipe, and is metered individually.
- An equalization tank receives the flow from all wells. This tank also receives the backwash flow from the activated carbon units.
- Aeration, chemical addition and clarification are provided for iron and suspended solids removal.
- Cartridge filtration, or the equivalent, can be provided for additional suspended solids removal, as needed.

- Two 10,000-lb granular activated carbon units, operating in series configuration, are provided for removal of perfluorochemicals. The discharge from these units is to the POTW.

- Emissions from the aeration unit are routed to an existing biofilter for VOC removal. The biofilter previously handled the air collected from the wet well, which was part of the original groundwater collection and discharge system.

Treated groundwater is discharged to the POTW, in accordance with the Industrial Discharge Permit. An air permit for emissions from the biofilter is not required due to the low concentrations of VOC hazardous air pollutants (HAPs) in the feed air stream.

4.1.2 Submission of Groundwater Treatment System Construction Completion Report

On June 10, 2010, 3M notified the MPCA that final construction of the Oakdale groundwater treatment system had been completed. The Construction Completion Report (RA Implementation Report) detailing the groundwater treatment activities was therefore due to the MPCA on or before August 9, 2010.

Accordingly, 3M submitted *Construction Completion Report (RA Implementation Report) – Groundwater Extraction and Treatment System* (Groundwater CCR) on August 9, 2010 (WESTON, 2010a). This report documented all construction activities associated with Groundwater Alternative GW-1, except for those activities north of Highway 5 that could not be completed until after the soil excavation was complete. Specifically, the components of GW-1 not included in the Groundwater CCR were:

- Installation of the final extraction well, PW-26.

- Reinstallation of the two monitoring wells north of Highway 5 that were removed as part of the soil excavation activities (W-21 and W-26).

- Connection of extraction well PW-26 to the Groundwater Treatment Facility.

Documentation of the completion of these activities is provided in the following subsection.

4.2 FINAL GROUNDWATER EXTRACTION AND TREATMENT SYSTEM ACTIVITIES

4.2.1 Construction Chronology

A timeline for completion of the final groundwater extraction and treatment system activities is listed below.

- August 16, 2011 – Installation of underground piping between previous pipe stub-out (installed under Highway 5 in 2008) and the area of PW-26.
- Week of August 29, 2011 – Installation of extraction well PW-26 and monitoring wells W-21R and W-26R.
- September 15, 2011 – Installation of extraction well pump in PW-26, and the mechanical connection between the underground transfer pipe and the pump.
- September 26, 2011 – Completion of electrical connections to PW-26.
- October 3, 2011 – Programmable Logic Controller (PLC) reprogrammed and extraction well PW-26 was brought online.

4.2.2 Extraction and Monitoring Well Installation

One extraction well and two monitoring wells were installed during the week of August 29, 2011. The extraction well was installed in the location identified during previous groundwater modeling activities. The two monitoring wells (W-21R and W-26R) were installed in the same location as the two corresponding wells that were removed during excavation activities. The locations of these wells are presented on Figure 4-2.

Each well was installed by advancing 12-inch diameter augers to the targeted depth. After the targeted depth was reached, a plug was installed in the bottom of the augers to facilitate well installation. No soil samples were collected during drilling, and soil cuttings of clean backfill were placed on the ground and near the well. Soil cuttings from previously undisturbed material were containerized in six 55-gallon drums that were labeled with the well ID number and any other pertinent information. The drums were staged on-site in a designated area and sampled for disposal profiling. Analytical results and discussion on the profiling of drill cuttings are

presented in Section 3.5.2.2. Based on these results, the containerized soil was sent to the SKB Landfill for disposal on October 25, 2011.

The extraction well was constructed of 6-inch diameter, stainless steel slotted screen and a carbon steel riser. Twenty feet of 0.01-inch screen was installed between a depth of 24.5 and 44.5 feet bgs. A sand/gravel pack was installed in the annulus between the screen and borehole to approximately 2 feet above the top of the screen. A fine-grained sand seal was emplaced on top of the sand/gravel pack. A cement/bentonite grout was then tremie piped in the annulus from the top of the fine-grained sand seal to a depth of approximately 8 feet bgs. The top of the grout was kept below this depth to allow the installation of the pitless adapter at the well. Following the installation of the pitless adapter, the area around the well was backfilled to grade with native soil. The well was completed approximately 2 feet above ground surface with a lockable cap.

The monitoring wells were constructed of 2-inch diameter PVC slotted screen and riser. Ten feet of 0.01-inch screen was installed at the bottom of each well. A sand/gravel pack was installed in the annulus between the screen and borehole to approximately 2 feet above the top of the screen. A fine-grained sand seal was emplaced on top of the sand/gravel pack. A cement/bentonite grout was then tremie piped in the annulus from the top of the fine-grained sand seal the surface. The wells were completed approximately 2 feet above ground surface with a lockable cap.

A summary of the well completion details is provided in Table 4-1. A copy of the well completion logs is included in Appendix J.

4.2.3 Well Development

Following well installation activities, well development was performed to remove any fine-grained soils present within the screened interval of each well. Development consisted of a combination of pumping and surge-blocking techniques to ensure that the screen and sandpack are adequately cleaned. Development continued until the discharge water was free of fine-grained soils and low in turbidity. All discharge water generated during the well development program was containerized and discharged into the on-site groundwater treatment system. Approximately 600 to 700 gallons of water were generated during the well development program.

4.2.4 Installation of Pump and Conveyance Piping

Installation of new conveyance pipe to the area of extraction well PW-26 occurred on August 16, 2011. An individual HDPE pipe (Standard Dimension Ratio [SDR] 11) was installed between the previous termination point north of Highway 5 and the extraction well using horizontal directional drilling. The pipe was installed below the frost line, at approximately 7 to 8 feet bgs. An identifiable tracer wire was installed with the HDPE pipe to facilitate future utility location activities.

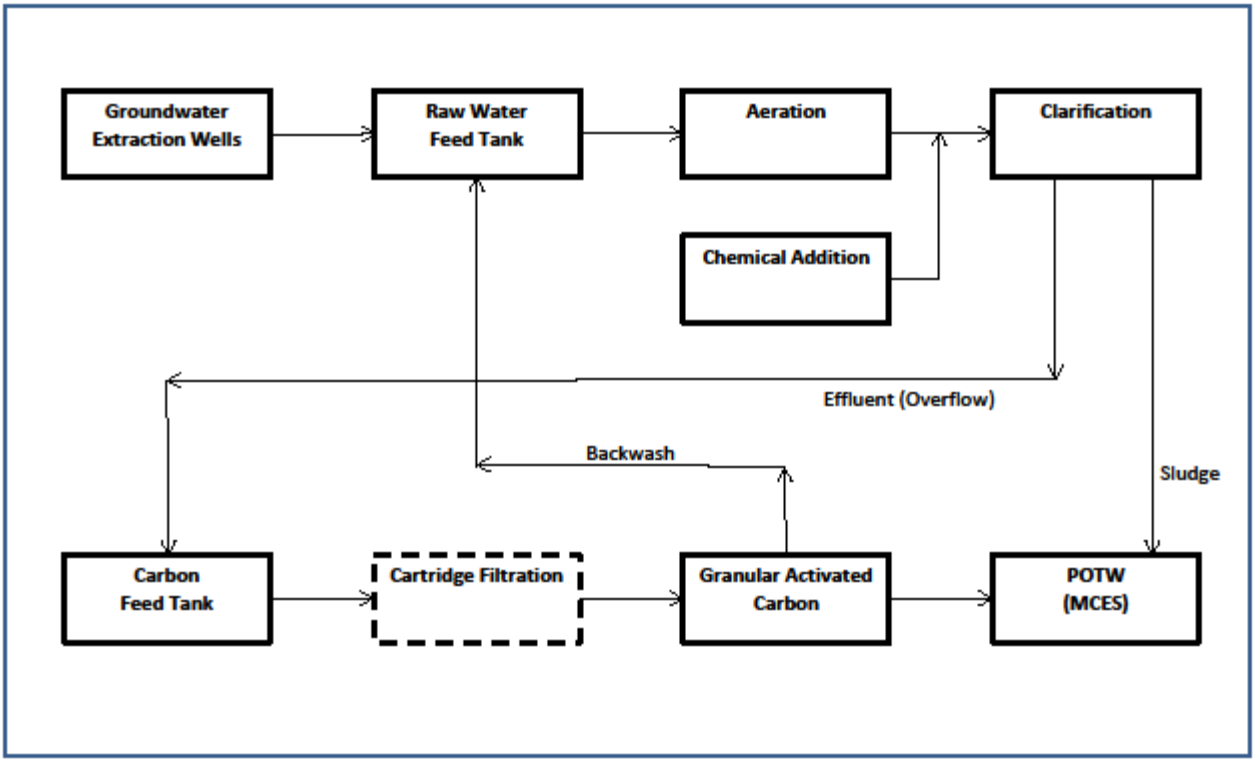
A new Grundfos Redi-Flo 10E5 pump with a 1/3 HP Franklin Motor was installed in the extraction well on September 15, 2011. At the extraction well, the HDPE transfer pipe was connected through the well casing using a pitless adaptor. The following week, all electrical connections were finalized, and the operation of the pump was manually tested. On October 3, 2011, the programming was modified in the treatment plant's PLC, and the pump began full operation. Extraction well PW-26 is anticipated to pump continuously at approximately 10 gpm.

SECTION 4 TABLE

Table 4-1
Summary of Well Construction Data
August/September 2011

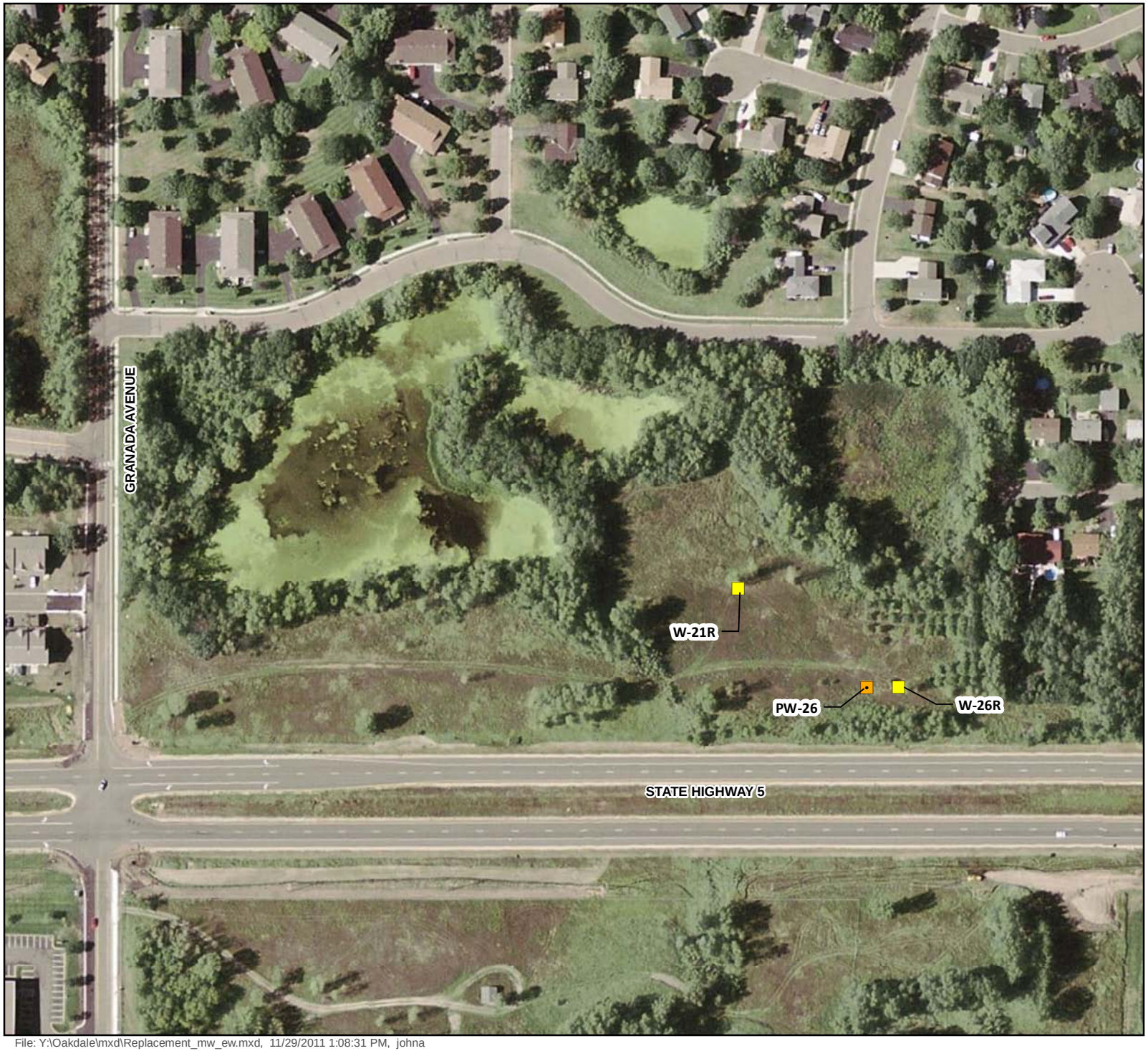
Well ID	Total Depth (ft bgs)	Screened Interval (ft bgs)	Screen Slot Size	Top of Sand Filter Pack (ft bgs)	Top of Fine Sand Seal (ft bgs)	Approximate Yield (gpm)
W21R	20.0	9.90 - 19.90	10 slot	8	6	<1
W26R	25.0	14.6 - 24.6	10 slot	12.5	10.5	<1
PW26	45.0	24.5 - 44.5	10 slot	21	18	>10

SECTION 4 FIGURES



Note: Dashed equipment is optional, depending on influent solids concentration.

Figure 4-1 Groundwater Treatment System Block Flow Diagram



Legend

- Water Table Monitoring Well
- New Extraction Well

Note: Locations approximate pending survey data

Map Source:
ESRI, Bing Mapping Service

N
W E
S

0 100 200
Feet

Figure 4-2
Location of Replacement Monitoring Wells and New Extraction Well

Oakdale Site
Oakdale, Minnesota

File: Y:\Oakdale\mxd\Replacement_mw_ew.mxd, 11/29/2011 1:08:31 PM, johna

5. CONSTRUCTION COMPLETION – SITEWIDE ALTERNATIVE SW-2

The following sections contain a summary of the activities that were conducted to implement the components of Sitewide Alternative SW-2 pertaining to the Oakdale Site, as presented in the MDD and the MPCA-approved RD/RA Plan. The following is a description of Sitewide Alternative SW-2 as presented in the RD/RA Plan:

- The Site has been used for commercial/industrial purposes and will need to retain this use. Institutional controls such as a deed restriction/environmental covenant can be used as an instrument to ensure that the Site retains commercial/industrial future use and to prevent activities that may lead to an exposure to PFCs or affect the functioning of the selected remedy. The Site has multiple zoning classifications, and this may need to be addressed as part of the deed restriction process. 3M will complete an evaluation of existing deed restrictions and/or environmental covenants and ensure that measures are in place to comply with the Minnesota Uniform Environmental Covenants Act, Minn. Stat. Ch. 114E.

- The existing fence at the Site restricts access during remediation activities.

- Long-term groundwater monitoring, surface water monitoring of Raleigh Creek, and pretreated water discharge monitoring will occur.

5.1 DEED RESTRICTIONS

The following requirement was included as part of the April 24, 2009 RD/RA Plan approval letter from the MPCA:

> "An Environmental Covenant and Easement ("Environmental Covenant") pursuant to the Uniform Environmental Covenants Act, Minn. Stat. ch. 114E (Supp. 2007)("UECA") shall be executed and recorded for the Abresch and Brockman sites prior to the approval of the construction completion report. In addition, since the long term plan for this area will eventually be unrestricted access, the environmental covenant to be implemented will need to include the requirement that sufficient monitoring and maintenance activities are in place to control exposure to potentially or remotely accessible soils."

3M is currently working with MPCA to finalize the required deed restriction/environmental covenant for the site. Documentation of the restriction will be sent to the MPCA once finalized.

5.2 FENCE AND ACCESS RESTRICTIONS

3M installed a construction fence in 2007 around the remedial area on the north side of Highway 5 to control access during project activities. The installation of the fence was discussed as part of 3M's public meeting, which was held in December 2007 and at the MPCA public meeting, which was held in May 2008. Additionally, the installation of the construction fence was mentioned in the 3M letter to local residents dated August 11, 2008, under subject matter entitled "Update on Cleanup Project at 3M Oakdale Property." This fence was maintained throughout construction activities, and was removed on November 2, 2011. The area north of Highway 5 can now be freely accessed.

On the south side of Highway 5, there is an existing fence, which restricts access to the portion of the Site where groundwater pumping activities are conducted. The location of the fence is shown in Figure 1-1.

5.3 LONG-TERM MONITORING PLAN

A long-term monitoring plan has been developed to document the required monitoring of groundwater, surface water from Raleigh Creek, and treated water discharge from the groundwater treatment system to the POTW. Groundwater and surface water monitoring has been documented in the *Groundwater and Surface Water Sampling Plan for the Former Oakdale Disposal Site*, submitted to the MPCA on November 12, 2010 and revised on January 25, 2011. Treated water discharge is monitored in accordance with the current Industrial Discharge Permit. These monitoring requirements are discussed in the following subsections.

5.3.1 Groundwater and Surface Water Monitoring

3M prepared and submitted the *Groundwater and Surface Water Sampling Plan* (WESTON, 2010b) to the MPCA on November 12, 2010. Based on the MPCA comments in a December 28, 2010 email and subsequent phone conversations between MPCA, 3M and WESTON on January 13, 2011, elements of the document were revised and resubmitted to MPCA on January 25, 2011.

The revised Groundwater and Surface Water Sampling Plan includes the following PFC-related monitoring requirements for groundwater:

- During the first four years of operation, groundwater samples will be collected quarterly from seven monitoring wells south of Highway 5: W8, W33, RW37, RW38, PL41, SP42 and W205.
- During the first four years of operation, groundwater samples will be collected semi-annually from extraction well W26R and annually from W2007.
- Samples will be analyzed for perfluorobutanoic acid (PFBA), PFOS, PFOA, and perfluorobutane sulfonate (PFBS) in accordance with the frequency noted above. Groundwater at these monitoring locations will be sampled and analyzed annually for the expanded PFC list analytes.
- Data generated as part of the Groundwater and Surface Water Sampling Plan will be reviewed annually, and adjustments to the sampling frequency and analyte lists will be proposed to streamline the data collection process going forward.

The revised Groundwater and Surface Water Sampling Plan includes the following PFC-related monitoring requirements for Raleigh Creek:

- During the first four years of operation, a surface water sample will be collected quarterly from Raleigh Creek on the east side of Hadley Avenue. Five sampling points will be monitored quarterly within Raleigh Creek, between the Site, down to and including the headwaters of Eagle Point Lake.
- Samples will be analyzed quarterly for PFBA, PFOS, PFOA, and PFBS. Surface water will be sampled and analyzed annually for the expanded PFC list analytes.
- After four years, sampling will be based on a review of the results and consultation with MPCA.

Sampling activities will be conducted using International Organization of Standardization/ International Electrotechnical Commission (ISO/IEC) Protocol ISO11-01 for PFC analysis and the approved RD/RA QAPP.

MPCA has agreed that the first monitoring event will occur during the first quarter of 2012. An interim review of the results from the first two quarters of monitoring in 2012 will be completed by 3M and submitted to the MPCA.

5.3.2 Treated Water Discharge Monitoring

As described in Section 4, extracted groundwater is treated in the groundwater treatment system and discharged to the POTW, which is the MCES sewer system under Industrial Discharge Permit (Special Discharges) Number 2021. A copy of this permit is included in Appendix K. The permit defines the sampling point (SP-01) as the sanitary sewer maintenance hole outside the Pump-Out Control and Treatment Building. The permit, which is effective on February 1, 2011 and expires on January 31, 2014, requires the following PFC-related monitoring requirements for treated water:

- Samples will be collected monthly at sample location SP-01 and analyzed for PFBA, PFBS, perfluorohexanesulfonate (PFH_xS), PFOA and PFOS.
- Samples will be collected quarterly at sample location SP-01 and analyzed for the expanded list of 13 PFCs. This expanded list includes the PFCs that are analyzed monthly as well as perfluorodecanoic acid (PFDA), perfluorododecanoic acid (PFD_OA), perfluoroheptanoic acid (PFH_PA), perfluorohexanoic acid (PFH_XA), perfluorononanoic acid (PFNA), perfluoropentanoic acid (PFP_eA), perfluoroundecanoic acid (PFU_nA), and perfluorooctane sulfonamine (PFOSA).

Analytical results are provided to MCES quarterly as a Special Discharge Report in accordance with the permit requirements. The above routine sampling and reporting to MCES has been ongoing since the plant started operations in March 2010.

6. REFERENCES

MPCA (Minnesota Pollution Control Agency). 1998. *Draft Guidelines: Guidance on Incorporation of Planned Property Use into Site Decisions.* Working Draft, September 1998.

MPCA (Minnesota Pollution Control Agency). 2008a. *3M Oakdale Disposal Site: Proposed Cleanup Plan for PFCs*. May 2008.

MPCA (Minnesota Pollution Control Agency). 2008b. *3M Oakdale Disposal Site: Minnesota Decision Document*. November 2008.

WESTON (Weston Solutions, Inc.). 2005. *Groundwater Data Assessment Report Fluorochemical (FC) Investigation: Oakdale Site.* Prepared by Weston Solutions, Inc. for the 3M Company. July 2005.

WESTON (Weston Solutions, Inc.). 2006. *Supplemental Fluorochemical (FC) Data Assessment Report: Oakdale Site.* Prepared by Weston Solutions, Inc. for the 3M Company. September 2006.

WESTON (Weston Solutions, Inc.). 2007a. *Assessment of the Effectiveness of the Existing Groundwater Recovery System: Former 3M Oakdale Disposal Site.* Prepared by Weston Solutions, Inc. for the 3M Company. April 2007.

WESTON (Weston Solutions, Inc.). 2007b. *Remedial Investigation Report [Soil Supplemental FC Data Assessment – Addendum I*]. Prepared by Weston Solutions, Inc. for the 3M Company. June 2007.

WESTON (Weston Solutions, Inc.). 2008a. *Feasibility Study: Oakdale Site.* Prepared by Weston Solutions, Inc. for the 3M Company. January 2008.

WESTON (Weston Solutions, Inc.). 2008b. *Addendum to the Feasibility Studies for the Oakdale, Woodbury and Cottage Grove Sites, Minnesota.* Prepared by Weston Solutions, Inc. for the 3M Company. April 2008.

WESTON (Weston Solutions, Inc.). 2009. *Remedial Design/Response Action Plan: Oakdale Site.* Prepared by Weston Solutions, Inc. for the 3M Company. February 2009.

WESTON (Weston Solutions, Inc.). 2010a. *Construction Completion Report (RA Implementation Report) Groundwater Extraction and Treatment System: Oakdale Site.* Prepared by Weston Solutions, Inc. for the 3M Company. August 2010.

WESTON (Weston Solutions, Inc.). 2010b. *Groundwater and Surface Water Sampling Plan for the Former Oakdale Disposal Area.* Prepared by Weston Solutions, Inc. for the 3M Company. November 2010. Revised January 25, 2011.

APPENDIX A
PHOTOGRAPH LOG

APPENDIX A
PHOTOGRAPH LOG

Table of Contents

Introduction

The photographs provided in this appendix were selected to show site activities and/or procedures discussed in the Construction Completion Report for the activities at the Oakdale Site. A complete project photograph log is maintained in 3M and WESTON Project Files. Additionally, the complete project photograph log was shared with the MPCA and AECOM representatives during the site activities.

Temporary Soil Vapor Extraction System (SVE)

- **Photograph 1**: PVC piping connecting SVE system vents (initial system). Photograph taken during construction prior to connection of PVC piping to SVE trailer.

- **Photograph 2:** SVE trailer and GAC units (pre-SVE system connection to vent pipes).

Site Preparation Activities

- **Photograph 3:** Looking east at the construction entrance.

- **Photograph 4:** Looking west at construction entrance along Granada Avenue North.

- **Photograph 5:** Installation of the two 15-foot CSP diversion pipes for the main swale.

- **Photograph 6:** Main swale diversion pipe outlet with silt fence and sediment control log.

Exclusion Zone Fencing

- **Photograph 7:** Bolander constructing load-out zone curtain. Black silt fencing/exclusion zone fencing visible.

- **Photograph 8:** Exclusion zone signage.

Stockpile Staging Areas

- **Photograph 9:** Construction of an additional stockpile staging area with liner and sand cushion.

- **Photograph 10:** Staged stockpiles on two staging areas (poly liner and sand) for sampling and surveying activities.

Surveying

- **Photograph 11:** TKDA surveyor parked on Upper 36th Street N with signage for survey activities.

- **Photograph 12:** Excavated direct load Soil Block A1-2 (0 – 4 ft bgs). Survey equipment is visible.

Excavation

- **Photograph 13:** Excavation activities of direct load Soil Block A1-2.

- **Photograph 14:** Staging activities of direct load Soil Block A1-2 material at the load-out zone for hauling to SKB Landfill.

- **Photograph 15:** Frost layer broken up utilizing excavator “Ripper” attachment in preparation for excavation activities.

- **Photograph 16:** Excavator “Ripper” attachment used to break through frost material in Layer 1 soil.

- **Photograph 17:** Excavated Soil Blocks B2-17 and B2-17 with emergency egress.

- **Photograph 18:** Piezometer in excavated Soil Block B1-17 (0 – 4 ft bgs) used to measure groundwater level.

Load-Out Zones and Loading Procedure

- **Photograph 19:** Direct load activities from Soil Block B3-3 into lined haul truck staged at the designated load-out zone. Black exclusion zone silt fencing is visible.

Temporary Direct Load Stockpile by Load Out

- **Photograph 20:** Load-out zone with poly lined staging area for direct load material temporary staging.

~100 yd^3 Stockpile Split into Two ~50 yd^3 Stockpiles

- **Photograph 21:** Stockpile B1-10 001-1 material staged for sampling activities.

Stockpile Flagging System

- **Photograph 22:** SKB Landfill approvals received for B1-10 stockpiles with WESTON identification disposal flag (blue flag indicates approval received).

Stockpile Aeration

- **Photograph 23:** Stockpile conditioning activities with Soil Block B2-5 and B2-13 stockpiles for re-sample activities.

Soil Boring Cutting/Drum Disposal

- **Photograph 24:** 122 drums with SVE system cuttings and soil boring cuttings staged for emptying and sampling for disposal profile sampling.

- **Photograph 25:** Haul truck inspection and tarping station scaffolding.

- **Photograph 26:** 6-mil poly liner installed in haul truck prior to loading.

- **Photograph 27:** Haul truck loaded with direct load material from Soil Block A1-1.

Stockpiled Material Loading/Hauling

- **Photograph 28:** On-site truck scale to verify truck weights (was not required to be used).

Liner Station/Liner Procedure

- **Photograph 29:** Truck unloading backhauled SKB sand material west of the exclusion zone.

Non-Soil Debris

- **Photograph 30:** Non-soil debris visible in Soil Blocks B1-6 and B1-14 west vertical facing wall.

- **Photograph 31:** Stockpiles from B2-14 on staging area with flagging (red-not yet approved for disposal) indicating samples collected and submitted for analysis. Stockpiles contain non-soil debris.

- **Photograph 32:** Labels attached to each of the six bags of non-hazardous fiberglass material resulting from decommissioning activities at the Cottage Grove facility staged for disposal at SKB.

- **Photograph 33:** Six bags of tank insulation material from decommissioning activities at the Cottage Grove facility loaded onto a truck with approved direct load material for disposal at SKB.

Decontamination

- **Photograph 34:** Decontamination activities directed into a water collection pit constructed within excavation footprint.

Excavation Base

- **Photograph 35:** Excavated Soil Blocks B3-9, B3-8 and B3-7.

Meteorological Monitoring Station

- **Photograph 36:** Met weather station installed with security fence along the southern limits of the Oakdale site.

Backfilling

- **Photograph 37:** Backfilling activities of Soil Blocks B3-2 and B3-3 after survey verification.

Site Restoration

- **Photograph 38:** Import and placement of 4-inch minimum topsoil across Oakdale excavation area.

- **Photograph 39:** Specified Flexterra seed application over former exclusion zone.

- **Photograph 40:** Re-established main swale through Soil Blocks A1-6, A1-7 and A1-8 with culvert outlet.

- **Photograph 41:** Main swale culvert with riprap for erosion control.

APPENDIX B
SVE OPERATIONAL DATA

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
21-Oct-08	12:55	13:20	0.42	0.42	X	X		
21-Oct-08	15:30	16:50	1.33	1.75	X	X		
22-Oct-08	7:30	11:40	4.17	5.92	X	X		X
22-Oct-08	15:00	16:00	1.00	6.92	X	X		
22-Oct-08	16:20	18:00	1.67	8.58	X			
23-Oct-08	7:00	24:00	17.00	25.58	X	X		
24-Oct-08	0:00	17:00	17.00	42.58	X	X		X
27-Oct-08	7:15	24:00	16.75	59.33	X	X		
28-Oct-08	0:00	24:00	24.00	83.33	X	X		
29-Oct-08	0:00	24:00	24.00	107.33	X	X		X
30-Oct-08	0:00	24:00	24.00	131.33	X	X		
31-Oct-08	0:00	14:20	14.33	145.67	X	X		
01-Nov-08	0:00	0:00	0.00	145.67				
02-Nov-08	0:00	0:00	0.00	145.67				
03-Nov-08	11:30	16:00	4.50	150.17	X	X	1	
04-Nov-08	9:30	16:00	6.50	156.67	X			X
05-Nov-08	8:45	14:30	5.75	162.42	X			
06-Nov-08	8:00	24:00	16.00	178.42	X			
07-Nov-08	0:00	9:30	9.50	187.92	X			
08-Nov-08	0:00	0:00	0.00	187.92				
09-Nov-08	0:00	0:00	0.00	187.92				
10-Nov-08	7:00	24:00	17.00	204.92	X			
11-Nov-08	0:00	24:00	24.00	228.92	X			
12-Nov-08	0:00	16:20	16.33	245.25	X			X
13-Nov-08	0:00	0:00	0.00	245.25				
14-Nov-08	11:10	12:15	1.08	246.33	X		1	
14-Nov-08	15:15	24:00	8.75	255.08	X			
15-Nov-08	0:00	24:00	24.00	279.08	X	X		
16-Nov-08	0:00	24:00	24.00	303.08	X			
17-Nov-08	0:00	24:00	24.00	327.08	X			
18-Nov-08	0:00	24:00	24.00	351.08	X			
19-Nov-09	0:00	24:00	24.00	375.08	X			
20-Nov-08	0:00	0:43	0.72	375.80	X			
20-Nov-08	9:05	24:00	14.92	390.72	X			
21-Nov-08	0:00	3:00	3.00	393.72				
21-Nov-08	15:40	15:45	0.08	393.80	X			
22-Nov-08	0:00	0:00	0.00	393.80				
23-Nov-08	0:00	0:00	0.00	393.80				
24-Nov-08	11:43	16:07	4.40	398.20	X			X
25-Nov-08	9:05	12:00	2.92	401.12	X			
25-Nov-08	15:00	24:00	9.00	410.12	X			
26-Nov-08	0:00	9:10	9.17	419.28	X	X	1	
26-Nov-08	13:00	24:00	11.00	430.28	X	X		
27-Nov-08	0:00	24:00	24.00	454.28				
28-Nov-08	0:00	24:00	24.00	478.28	X			
29-Nov-08	0:00	24:00	24.00	502.28				
30-Nov-08	0:00	24:00	24.00	526.28				
01-Dec-08	0:00	24:00	24.00	550.28	X			
02-Dec-08	0:00	24:00	24.00	574.28				
03-Dec-08	0:00	8:40	8.67	582.95	X			
03-Dec-08	11:05	24:00	12.92	595.87	X		1	
04-Dec-08	0:00	24:00	24.00	619.87		X		
05-Dec-08	0:00	24:00	24.00	643.87	X			
06-Dec-08	0:00	24:00	24.00	667.87				
07-Dec-08	0:00	24:00	24.00	691.87				
08-Dec-08	0:00	14:30	14.50	706.37	X			
09-Dec-08	0:00	0:00	0.00	706.37				
10-Dec-08	0:00	0:00	0.00	706.37				
11-Dec-08	0:00	0:00	0.00	706.37				
12-Dec-08	12:05	24:00	11.92	718.28	X	X	2	X
13-Dec-08	0:00	24:00	24.00	742.28				
14-Dec-08	0:00	24:00	24.00	766.28				
15-Dec-08	0:00	24:00	24.00	790.28				
16-Dec-08	0:00	24:00	24.00	814.28				
17-Dec-08	0:00	12:45	12.75	827.03	X			
17-Dec-08	13:30	24:00	10.50	837.53	X			
18-Dec-08	0:00	24:00	24.00	861.53	X			
19-Dec-08	0:00	24:00	24.00	885.53	X			
20-Dec-08	0:00	24:00	24.00	909.53				
21-Dec-08	0:00	24:00	24.00	933.53				
22-Dec-08	0:00	24:00	24.00	957.53	X	X		X
23-Dec-08	0:00	24:00	24.00	981.53				
24-Dec-08	0:00	24:00	24.00	1005.53				
25-Dec-08	0:00	24:00	24.00	1029.53				
26-Dec-08	0:00	24:00	24.00	1053.53				
27-Dec-08	0:00	24:00	24.00	1077.53				
28-Dec-08	0:00	24:00	24.00	1101.53				
29-Dec-08	0:00	8:40	8.67	1110.20				

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
29-Dec-08	13:00	24:00	11.00	1121.20	X		1	
30-Dec-08	0:00	24:00	24.00	1145.20	X			X
31-Dec-08	0:00	24:00	24.00	1169.20	X			
01-Jan-09	0:00	24:00	24.00	1193.20				
02-Jan-09	0:00	24:00	24.00	1217.20	X			
03-Jan-09	0:00	24:00	24.00	1241.20				
04-Jan-09	0:00	12:55	12.92	1254.12				
05-Jan-09	0:00	0:00	0.00	1254.12				
06-Jan-09	10:02	24:00	13.97	1268.08	X			
07-Jan-09	0:00	24:00	24.00	1292.08				
08-Jan-09	0:00	24:00	24.00	1316.08				
09-Jan-09	0:00	9:40	9.67	1325.75	X	X	1	
09-Jan-09	11:30	24:00	12.50	1338.25				
10-Jan-09	0:00	24:00	24.00	1362.25				
11-Jan-09	0:00	24:00	24.00	1386.25				
12-Jan-09	0:00	24:00	24.00	1410.25	X			
13-Jan-09	0:00	24:00	24.00	1434.25	X			X
14-Jan-09	0:00	24:00	24.00	1458.25	X			
15-Jan-09	0:00	24:00	24.00	1482.25	X			
16-Jan-09	0:00	24:00	24.00	1506.25				
17-Jan-09	0:00	10:27	10.45	1516.70				
18-Jan-09	0:00	0:00	0.00	1516.70				
19-Jan-09	11:14	24:00	12.77	1529.47	X			
20-Jan-09	0:00	24:00	24.00	1553.47	X			
21-Jan-09	0:00	24:00	24.00	1577.47	X			
22-Jan-09	0:00	24:00	24.00	1601.47				
23-Jan-09	0:00	0:00	0.00	1601.47	X			
24-Jan-09	0:00	12:12	12.20	1613.67				
25-Jan-09	0:00	0:00	0.00	1613.67				
26-Jan-09	11:00	24:00	13.00	1626.67	X		1	
27-Jan-09	0:00	2:20	2.33	1629.00				
28-Jan-09	10:00	24:00	14.00	1643.00	X			
29-Jan-09	0:00	2:49	2.82	1645.82	X			
30-Jan-09	12:45	24:00	11.25	1657.07	X			
31-Jan-09	0:00	24:00	24.00	1681.07				
01-Feb-09	0:00	24:00	24.00	1705.07				
02-Feb-09	0:00	8:45	8.75	1713.82	X		1	X
02-Feb-09	10:45	24:00	13.25	1727.07				
03-Feb-09	0:00	24:00	24.00	1751.07	X			
04-Feb-09	0:00	24:00	24.00	1775.07				
05-Feb-09	0:00	24:00	24.00	1799.07				
06-Feb-09	0:00	24:00	24.00	1823.07				
07-Feb-09	0:00	24:00	24.00	1847.07				
08-Feb-09	0:00	24:00	24.00	1871.07				
09-Feb-09	0:00	24:00	24.00	1895.07	X			
10-Feb-09	0:00	10:21	10.35	1905.42				
11-Feb-09	8:30	24:00	15.50	1920.92	X			
12-Feb-09	0:00	24:00	24.00	1944.92				
13-Feb-09	0:00	24:00	24.00	1968.92	X			
14-Feb-09	0:00	24:00	24.00	1992.92				
15-Feb-09	0:00	24:00	24.00	2016.92				
16-Feb-09	0:00	1:17	1.28	2018.20				
17-Feb-09	0:00	0:00	0.00	2018.20				
18-Feb-09	0:00	0:00	0.00	2018.20				
19-Feb-09	9:35	24:00	14.42	2032.62	X			
20-Feb-09	0:00	24:00	24.00	2056.62	X		1	X
21-Feb-09	0:00	24:00	24.00	2080.62				
22-Feb-09	0:00	24:00	24.00	2104.62				
23-Feb-09	0:00	24:00	24.00	2128.62	X			
24-Feb-09	0:00	24:00	24.00	2152.62				
25-Feb-09	0:00	24:00	24.00	2176.62				
26-Feb-09	0:00	24:00	24.00	2200.62				
27-Feb-09	0:00	0:50	0.83	2201.45				
28-Feb-09	0:00	0:00	0.00	2201.45				
01-Mar-09	0:00	0:00	0.00	2201.45				
02-Mar-09	11:00	24:00	13.00	2214.45	X		1	
03-Mar-09	0:00	24:00	24.00	2238.45				
04-Mar-09	0:00	0:26	0.43	2238.88				
05-Mar-09	11:20	24:00	12.67	2251.55	X			
06-Mar-09	0:00	24:00	24.00	2275.55	X			
07-Mar-09	0:00	24:00	24.00	2299.55				
08-Mar-09	0:00	24:00	24.00	2323.55				
09-Mar-09	0:00	24:00	24.00	2347.55				
10-Mar-09	0:00	0:00	0.00	2347.55				
11-Mar-09	0:00	0:00	0.00	2347.55				
12-Mar-09	0:00	0:00	0.00	2347.55				
13-Mar-09	11:25	24:00	12.58	2360.13	X			X
14-Mar-09	0:00	24:00	24.00	2384.13				
15-Mar-09	0:00	24:00	24.00	2408.13				
16-Mar-09	0:00	8:30	8.50	2416.63	X		1	
16-Mar-09	11:10	24:00	12.83	2429.47				
17-Mar-09	0:00	24:00	24.00	2453.47	X			

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
18-Mar-09	0:00	24:00	24.00	2477.47	X			
19-Mar-09	0:00	24:00	24.00	2501.47				
20-Mar-09	0:00	24:00	24.00	2525.47	X			
21-Mar-09	0:00	24:00	24.00	2549.47				
22-Mar-09	0:00	24:00	24.00	2573.47				
23-Mar-09	0:00	24:00	24.00	2597.47				
24-Mar-09	0:00	24:00	24.00	2621.47	X			X
25-Mar-09	0:00	24:00	24.00	2645.47	X			
26-Mar-09	0:00	24:00	24.00	2669.47	X			
27-Mar-09	0:00	24:00	24.00	2693.47				
28-Mar-09	0:00	24:00	24.00	2717.47				
29-Mar-09	0:00	24:00	24.00	2741.47				
30-Mar-09	0:00	24:00	24.00	2765.47	X			
31-Mar-09	0:00	0:00	0.00	2765.47				
01-Apr-09	11:15	24:00	12.75	2778.22	X			X
02-Apr-09	0:00	14:46	14.77	2792.98	X			
03-Apr-09	10:50	24:00	13.17	2806.15	X		2	
04-Apr-09	0:00	24:00	24.00	2830.15				
05-Apr-09	0:00	24:00	24.00	2854.15				
06-Apr-09	0:00	24:00	24.00	2878.15	X			
07-Apr-09	0:00	24:00	24.00	2902.15	X			
08-Apr-09	0:00	24:00	24.00	2926.15	X			
09-Apr-09	0:00	24:00	24.00	2950.15	X			
10-Apr-09	0:00	10:00	10.00	2960.15	X			
10-Apr-09	14:30	24:00	9.50	2969.65				
11-Apr-09	0:00	24:00	24.00	2993.65				
12-Apr-09	0:00	0:00	0.00	2993.65				
13-Apr-09	12:00	24:00	12.00	3005.65	X			
14-Apr-09	13:00	24:00	11.00	3016.65	X			
15-Apr-09	13:10	24:00	10.83	3027.48	X			
16-Apr-09	0:00	24:00	24.00	3051.48				
17-Apr-09	0:00	24:00	24.00	3075.48	X			X
18-Apr-09	0:00	24:00	24.00	3099.48				
19-Apr-09	0:00	24:00	24.00	3123.48				
20-Apr-09	0:00	8:20	8.33	3131.82	X		1	
20-Apr-09	11:20	24:00	12.67	3144.48				
21-Apr-09	0:00	24:00	24.00	3168.48				
22-Apr-09	0:00	24:00	24.00	3192.48	X			
23-Apr-09	0:00	24:00	24.00	3216.48	X			
24-Apr-09	0:00	14:05	14.08	3230.57	X			
25-Apr-09	0:00	0:00	0.00	3230.57				
26-Apr-09	0:00	0:00	0.00	3230.57				
27-Apr-09	10:20	24:00	13.67	3244.23	X		1	
28-Apr-09	0:00	24:00	24.00	3268.23				
29-Apr-09	0:00	24:00	24.00	3292.23				
30-Apr-09	0:00	24:00	24.00	3316.23	X			X
01-May-09	0:00	24:00	24.00	3340.23	X			
02-May-09	0:00	24:00	24.00	3364.23				
03-May-09	0:00	24:00	24.00	3388.23				
04-May-09	0:00	24:00	24.00	3412.23				
05-May-09	0:00	24:00	24.00	3436.23				
06-May-09	0:00	17:00	17.00	3453.23	X			
07-May-09	10:00	16:25	6.42	3459.65	X			
08-May-09	10:20	24:00	13.67	3473.32	X		2	
09-May-09	0:00	24:00	24.00	3497.32				
10-May-09	0:00	24:00	24.00	3521.32				
11-May-09	0:00	24:00	24.00	3545.32	X			
12-May-09	0:00	24:00	24.00	3569.32	X			
13-May-09	0:00	24:00	24.00	3593.32				
14-May-09	0:00	24:00	24.00	3617.32	X			
15-May-09	0:00	24:00	24.00	3641.32	X			X
16-May-09	0:00	24:00	24.00	3665.32				
17-May-09	0:00	24:00	24.00	3689.32				
18-May-09	0:00	24:00	24.00	3713.32				
19-May-09	0:00	24:00	24.00	3737.32				
20-May-09	0:00	24:00	24.00	3761.32				
21-May-09	0:00	7:45	7.75	3769.07	X			
22-May-09	0:00	0:00	0.00	3769.07				
23-May-09	0:00	0:00	0.00	3769.07				
24-May-09	0:00	0:00	0.00	3769.07				
25-May-09	0:00	0:00	0.00	3769.07				
26-May-09	12:30	24:00	11.50	3780.57	X		2	
27-May-09	0:00	24:00	24.00	3804.57				
28-May-09	0:00	24:00	24.00	3828.57				
29-May-09	0:00	24:00	24.00	3852.57	X	X		X
30-May-09	0:00	24:00	24.00	3876.57				
31-May-09	0:00	24:00	24.00	3900.57				
01-Jun-09	0:00	24:00	24.00	3924.57	X			
02-Jun-09	0:00	24:00	24.00	3948.57				
03-Jun-09	0:00	8:40	8.67	3957.23	X		1	
03-Jun-09	10:00	24:00	14.00	3971.23				
04-Jun-09	0:00	24:00	24.00	3995.23	X	X		
05-Jun-09	0:00	24:00	24.00	4019.23				
06-Jun-09	0:00	24:00	24.00	4043.23				

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
07-Jun-09	0:00	24:00	24.00	4067.23				
08-Jun-09	0:00	15:15	15.25	4082.48	X			
09-Jun-09	10:10	24:00	13.83	4096.32	X		1	
10-Jun-09	0:00	24:00	24.00	4120.32	X			
11-Jun-09	0:00	12:05	12.08	4132.40	X			X
11-Jun-09	12:05	24:00	11.92	4144.32				
12-Jun-09	0:00	24:00	24.00	4168.32				
13-Jun-09	0:00	24:00	24.00	4192.32				
14-Jun-09	0:00	24:00	24.00	4216.32				
15-Jun-09	0:00	24:00	24.00	4240.32				
16-Jun-09	0:00	11:38	11.63	4251.95	X			
17-Jun-09	12:00	24:00	12.00	4263.95	X		1	
18-Jun-09	8:05	15:05	7.00	4270.95				
19-Jun-09	10:50	24:00	13.17	4284.12	X		1	
20-Jun-09	0:00	24:00	24.00	4308.12				
21-Jun-09	0:00	24:00	24.00	4332.12				
22-Jun-09	0:00	24:00	24.00	4356.12				
23-Jun-09	0:00	24:00	24.00	4380.12				
24-Jun-09	0:00	24:00	24.00	4404.12	X			
25-Jun-09	0:00	24:00	24.00	4428.12				
26-Jun-09	0:00	24:00	24.00	4452.12	X			X
27-Jun-09	0:00	24:00	24.00	4476.12				
28-Jun-09	0:00	24:00	24.00	4500.12				
29-Jun-09	0:00	24:00	24.00	4524.12				
30-Jun-09	0:00	24:00	24.00	4548.12				
01-Jul-09	0:00	24:00	24.00	4572.12				
02-Jul-09	0:00	24:00	24.00	4596.12			1	
03-Jul-09	0:00	24:00	24.00	4620.12				
04-Jul-09	0:00	24:00	24.00	4644.12				
05-Jul-09	0:00	24:00	24.00	4668.12				
06-Jul-09	0:00	24:00	24.00	4692.12				
07-Jul-09	0:00	12:00	12.00	4704.12	X			
08-Jul-09	14:00	24:00	10.00	4714.12	X			X
09-Jul-09	0:00	10:15	10.25	4724.37	X		1	
10-Jul-09	0:00	22:30	22.50	4746.87				
11-Jul-09	0:00	24:00	24.00	4770.87				
12-Jul-09	0:00	24:00	24.00	4794.87				
13-Jul-09	0:00	24:00	24.00	4818.87				
14-Jul-09	0:00	24:00	24.00	4842.87				
15-Jul-09	0:00	24:00	24.00	4866.87				
16-Jul-09	0:00	10:05	10.08	4876.95	X			
17-Jul-09	7:45	12:25	4.67	4881.62	X			
18-Jul-09	0:00	0:00	0.00	4881.62				
19-Jul-09	0:00	0:00	0.00	4881.62				
20-Jul-09	10:00	24:00	14.00	4895.62	X		1	
21-Jul-09	0:00	24:00	24.00	4919.62	X			X
22-Jul-09	0:00	24:00	24.00	4943.62	X			
23-Jul-09	0:00	24:00	24.00	4967.62				
24-Jul-09	0:00	24:00	24.00	4991.62				
25-Jul-09	0:00	24:00	24.00	5015.62				
26-Jul-09	0:00	24:00	24.00	5039.62				
27-Jul-09	0:00	16:00	16.00	5055.62	X			
28-Jul-09	0:00	0:00	0.00	5055.62				
29-Jul-09	0:00	0:00	0.00	5055.62				
30-Jul-09	12:55	24:00	11.08	5066.70	X		2	
31-Jul-09	0:00	24:00	24.00	5090.70				
01-Aug-09	0:00	24:00	24.00	5114.70				
02-Aug-09	0:00	24:00	24.00	5138.70				
03-Aug-09	0:00	24:00	24.00	5162.70	X			
04-Aug-09	0:00	24:00	24.00	5186.70	X			
05-Aug-09	0:00	24:00	24.00	5210.70				
06-Aug-09	0:00	24:00	24.00	5234.70				
07-Aug-09	0:00	24:00	24.00	5258.70	X			X
08-Aug-09	0:00	24:00	24.00	5282.70				
09-Aug-09	0:00	24:00	24.00	5306.70				
10-Aug-09	0:00	24:00	24.00	5330.70				
11-Aug-09	0:00	15:25	15.42	5346.12	X			
12-Aug-09	11:40	24:00	12.33	5358.45	X		1	
13-Aug-09	0:00	24:00	24.00	5382.45				
14-Aug-09	0:00	24:00	24.00	5406.45	X			
15-Aug-09	0:00	0:00	0.00	5406.45				
16-Aug-09	0:00	0:00	0.00	5406.45				
17-Aug-09	0:00	0:00	0.00	5406.45				
18-Aug-09	0:00	0:00	0.00	5406.45				
19-Aug-09	0:00	0:00	0.00	5406.45				
20-Aug-09	0:00	14:20	14.33	5420.78	X			1
21-Aug-09	11:27	24:00	12.55	5433.33	X		1	
22-Aug-09	0:00	24:00	24.00	5457.33				
23-Aug-09	0:00	24:00	24.00	5481.33				
24-Aug-09	0:00	24:00	24.00	5505.33	X			
25-Aug-09	0:00	24:00	24.00	5529.33				
26-Aug-09	0:00	24:00	24.00	5553.33				
27-Aug-09	0:00	16:11	16.18	5569.52	X			
28-Aug-09	0:00	0:00	0.00	5569.52				

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
29-Aug-09	0:00	0:00	0.00	5569.52				
30-Aug-09	0:00	0:00	0.00	5569.52				
31-Aug-09	0:00	0:00	0.00	5569.52				
01-Sep-09	14:06	24:00:00	9.90	5579.42	X		1	
02-Sep-09	0:00	24:00	24.00	5603.42				
03-Sep-09	0:00	24:00	24.00	5627.42				
04-Sep-09	0:00	24:00	24.00	5651.42				
05-Sep-09	0:00	24:00	24.00	5675.42				
06-Sep-09	0:00	24:00	24.00	5699.42				
07-Sep-09	0:00	24:00	24.00	5723.42				
08-Sep-09	0:00	24:00	24.00	5747.42				
09-Sep-09	0:00	8:11	8.18	5755.60	X			
10-Sep-09	14:15	24:00	9.75	5765.35	X		1	
11-Sep-09	0:00	24:00	24.00	5789.35	X			
12-Sep-09	0:00	24:00	24.00	5813.35				
13-Sep-09	0:00	24:00	24.00	5837.35				
14-Sep-09	0:00	24:00	24.00	5861.35				
15-Sep-09	0:00	24:00	24.00	5885.35				
16-Sep-09	0:00	24:00	24.00	5909.35				
17-Sep-09	0:00	15:30	15.50	5924.85	X			
18-Sep-09	0:00	0:00	0.00	5924.85				
19-Sep-09	0:00	0:00	0.00	5924.85				
20-Sep-09	0:00	0:00	0.00	5924.85				
21-Sep-09	0:00	0:00	0.00	5924.85				
22-Sep-09	11:45	24:00	12.25	5937.10	X		2	
23-Sep-09	0:00	24:00	24.00	5961.10	X			
24-Sep-09	0:00	24:00	24.00	5985.10	X			
25-Sep-09	0:00	24:00	24.00	6009.10				
26-Sep-09	0:00	24:00	24.00	6033.10				
27-Sep-09	0:00	24:00	24.00	6057.10				
28-Sep-09	0:00	24:00	24.00	6081.10				
29-Sep-09	0:00	24:00	24.00	6105.10	X			
30-Sep-09	0:00	24:00	24.00	6129.10				
01-Oct-09	0:00	24:00	24.00	6153.10				
02-Oct-09	0:00	13:00	13.00	6166.10	X			
03-Oct-09	0:00	0:00	0.00	6166.10				
04-Oct-09	0:00	0:00	0.00	6166.10				
05-Oct-09	9:00	24:00	15.00	6181.10	X		1	
06-Oct-09	0:00	24:00	24.00	6205.10	X			1
07-Oct-09	0:00	24:00	24.00	6229.10				
08-Oct-09	0:00	24:00	24.00	6253.10				
09-Oct-09	0:00	24:00	24.00	6277.10	X			
10-Oct-09	0:00	24:00	24.00	6301.10				
11-Oct-09	0:00	24:00	24.00	6325.10				
12-Oct-09	0:00	8:25	8.42	6333.52	X			
13-Oct-09	11:48	24:00	12.20	6345.72	X		1	
14-Oct-09	14:00	24:00	10.00	6355.72	X			
15-Oct-09	12:40	24:00	11.33	6367.05	X			
16-Oct-09	0:00	24:00	24.00	6391.05				
17-Oct-09	0:00	24:00	24.00	6415.05				
18-Oct-09	0:00	24:00	24.00	6439.05				
19-Oct-09	0:00	8:00	8.00	6447.05	X		1	
19-Oct-09	16:10	24:00	7.83	6454.88				
20-Oct-09	0:00	24:00	24.00	6478.88	X			
21-Oct-09	0:00	24:00	24.00	6502.88	X			
22-Oct-09	0:00	24:00	24.00	6526.88				
23-Oct-09	0:00	8:05	8.08	6534.97	X			
24-Oct-09	0:00	0:00	0.00	6534.97				
25-Oct-09	0:00	0:00	0.00	6534.97				
26-Oct-09	0:00	0:00	0.00	6534.97				
27-Oct-09	11:10	24:00	12.83	6547.80	X		1	
28-Oct-09	0:00	24:00	24.00	6571.80				
29-Oct-09	0:00	8:00	8.00	6579.80	X			
30-Oct-09	14:10	24:00	9.83	6589.63	X			
31-Oct-09	0:00	24:00	24.00	6613.63				
01-Nov-09	0:00	0:00	0.00	6613.63				
02-Nov-09	12:30	24:00	11.50	6625.13	X			
03-Nov-09	14:45	24:00	9.25	6634.38	X			1
04-Nov-09	11:15	24:00	12.75	6647.13	X			
05-Nov-09	0:00	24:00	24.00	6671.13				
06-Nov-09	15:30	24:00	8.50	6679.63	X			
07-Nov-09	0:00	24:00	24.00	6703.63				
08-Nov-09	0:00	24:00	24.00	6727.63				
09-Nov-09	0:00	0:00	0.00	6727.63				
10-Nov-09	0:00	0:00	0.00	6727.63				
11-Nov-09	0:00	0:00	0.00	6727.63	X			
12-Nov-09	11:45	24:00	12.25	6739.88	X			
13-Nov-09	0:00	24:00	24.00	6763.88	X			
14-Nov-09	0:00	24:00	24.00	6787.88				
15-Nov-09	0:00	24:00	24.00	6811.88				
16-Nov-09	0:00	11:05	11.08	6822.97	X			
17-Nov-09	16:15	24:00	7.75	6830.72	X		1	
18-Nov-09	0:00	24:00	24.00	6854.72				

Field Data Summary Sheet - SVE with Carbon
Oakdale, MN

Date	Start time	End time	Run time (hrs)	Cumulative Run Time	Onsite Visit	Well Field Monitoring	Carbon Changeout	Collected Summa Canister
19-Nov-09	0:00	9:00	9.00	6863.72	X			1
19-Nov-09	12:29	13:30	1.02	6864.73				
19-Nov-09	15:30	24:00	8.50	6873.23				
20-Nov-09	0:00	24:00	24.00	6897.23				
21-Nov-09	0:00	24:00	24.00	6921.23				
22-Nov-09	0:00	24:00	24.00	6945.23				
23-Nov-09	0:00	24:00	24.00	6969.23				
24-Nov-09	0:00	24:00	24.00	6993.23				
25-Nov-09	0:00	24:00	24.00	7017.23	X			
26-Nov-09	0:00	24:00	24.00	7041.23				
27-Nov-09	0:00	24:00	24.00	7065.23				
28-Nov-09	0:00	24:00	24.00	7089.23				
29-Nov-09	0:00	24:00	24.00	7113.23				
30-Nov-09	0:00	24:00	24.00	7137.23	X			
01-Dec-09	0:00	24:00	24.00	7161.23	X			
02-Dec-09	0:00	24:00	24.00	7185.23	X			
03-Dec-09	0:00	7:55	7.92	7193.15	X		2	

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
12/21/2010	14:55	24:00	9.08	9.08	X		
12/22/2009	0:00	24:00	24.00	33.08	X	X	
12/23/2009	0:00	24:00	24.00	57.08	X	X	1
12/24/2009	0:00	24:00	24.00	81.08			
12/25/2009	0:00	24:00	24.00	105.08			
12/26/2009	0:00	21:00	21.00	126.08			
12/27/2009	0:00	0:00	0.00	126.08			
12/28/2009	10:25	21:00	10.58	136.67	X		
12/29/2009	13:45	24:00	10.25	146.92	X		
12/30/2009	0:00	16:30	16.50	163.42	X	X	
12/31/2009	9:15	24:00	14.75	178.17	X		1
1/1/2010	0:00	24:00	24.00	202.17			
1/2/2010	0:00	24:00	24.00	226.17			
1/3/2010	0:00	24:00	24.00	250.17			
1/4/2010	0:00	24:00	24.00	274.17			
1/5/2010	0:00	24:00	24.00	298.17	X	X	
1/6/2010	0:00	24:00	24.00	322.17			
1/7/2010	0:00	24:00	24.00	346.17	X		1
1/8/2010	0:00	24:00	24.00	370.17	X		
1/9/2010	0:00	24:00	24.00	394.17			
1/10/2010	0:00	24:00	24.00	418.17			
1/11/2010	0:00	14:00	14.00	432.17	X		1
1/11/2010	16:30	24:00	7.50	439.67			
1/12/2010	0:00	24:00	24.00	463.67	X		
1/13/2010	0:00	24:00	24.00	487.67	X		
1/14/2010	0:00	24:00	24.00	511.67	X		1
1/15/2010	0:00	24:00	24.00	535.67	X		
1/16/2010	0:00	24:00	24.00	559.67			
1/17/2010	0:00	24:00	24.00	583.67			
1/18/2010	0:00	24:00	24.00	607.67	X		1
1/19/2010	0:00	24:00	24.00	631.67	X	X	
1/20/2010	0:00	24:00	24.00	655.67			
1/21/2010	0:00	24:00	24.00	679.67	X		1
1/22/2010	0:00	24:00	24.00	703.67	X		
1/23/2010	0:00	24:00	24.00	727.67			
1/24/2010	0:00	24:00	24.00	751.67			
1/25/2010	0:00	24:00	24.00	775.67	X		1
1/26/2010	0:00	24:00	24.00	799.67	X		
1/27/2010	0:00	24:00	24.00	823.67	X		
1/28/2010	0:00	24:00	24.00	847.67	X		
1/29/2010	0:00	24:00	24.00	871.67	X		
1/30/2010	0:00	24:00	24.00	895.67			
1/31/2010	0:00	24:00	24.00	919.67			
2/1/2010	0:00	24:00	24.00	943.67	X		
2/2/2010	0:00	24:00	24.00	967.67			
2/3/2010	0:00	24:00	24.00	991.67			
2/4/2010	0:00	24:00	24.00	1015.67	X		1
2/5/2010	0:00	24:00	24.00	1039.67	X	X	
2/6/2010	0:00	24:00	24.00	1063.67			
2/7/2010	0:00	24:00	24.00	1087.67			
2/8/2010	0:00	24:00	24.00	1111.67	X		1
2/9/2010	0:00	24:00	24.00	1135.67			

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
2/10/2010	0:00	24:00	24.00	1159.67			
2/11/2010	0:00	24:00	24.00	1183.67			
2/12/2010	0:00	24:00	24.00	1207.67			
2/13/2010	0:00	24:00	24.00	1231.67			
2/14/2010	0:00	24:00	24.00	1255.67			
2/15/2010	0:00	24:00	24.00	1279.67	X		1
2/16/2010	0:00	24:00	24.00	1303.67			
2/17/2010	0:00	24:00	24.00	1327.67			
2/18/2010	0:00	24:00	24.00	1351.67			
2/19/2010	0:00	24:00	24.00	1375.67			
2/20/2010	0:00	24:00	24.00	1399.67			
2/21/2010	0:00	24:00	24.00	1423.67			
2/22/2010	0:00	24:00	24.00	1447.67	X	X	1
2/23/2010	0:00	24:00	24.00	1471.67			
2/24/2010	0:00	24:00	24.00	1495.67			
2/25/2010	0:00	24:00	24.00	1519.67	X		1
2/26/2010	0:00	24:00	24.00	1543.67			
2/27/2010	0:00	24:00	24.00	1567.67			
2/28/2010	0:00	24:00	24.00	1591.67			
3/1/2010	0:00	24:00	24.00	1615.67	X		1
3/2/2010	0:00	24:00	24.00	1639.67			
3/3/2010	0:00	24:00	24.00	1663.67			
3/4/2010	0:00	24:00	24.00	1687.67	X		1
3/5/2010	0:00	24:00	24.00	1711.67			
3/6/2010	0:00	24:00	24.00	1735.67			
3/7/2010	0:00	24:00	24.00	1759.67			
3/8/2010	0:00	24:00	24.00	1783.67	X	X	1
3/9/2010	0:00	24:00	24.00	1807.67			
3/10/2010	0:00	24:00	24.00	1831.67			
3/11/2010	0:00	24:00	24.00	1855.67	X		1
3/12/2010	0:00	24:00	24.00	1879.67			
3/13/2010	0:00	24:00	24.00	1903.67			
3/14/2010	0:00	24:00	24.00	1927.67			
3/15/2010	0:00	24:00	24.00	1951.67	X		**1**
3/16/2010	0:00	24:00	24.00	1975.67			
3/17/2010	0:00	24:00	24.00	1999.67			
3/18/2010	0:00	24:00	24.00	2023.67			
3/19/2010	0:00	24:00	24.00	2047.67	X		
3/20/2010	0:00	24:00	24.00	2071.67			
3/21/2010	0:00	24:00	24.00	2095.67			
3/22/2010	0:00	24:00	24.00	2119.67	X	X	1
3/23/2010	0:00	24:00	24.00	2143.67			
3/24/2010	0:00	24:00	24.00	2167.67			
3/25/2010	0:00	24:00	24.00	2191.67			
3/26/2010	0:00	24:00	24.00	2215.67			
3/27/2010	0:00	24:00	24.00	2239.67			
3/28/2010	0:00	24:00	24.00	2263.67			
3/29/2010	0:00	24:00	24.00	2287.67			
3/30/2010	0:00	24:00	24.00	2311.67			
3/31/2010	0:00	24:00	24.00	2335.67			
4/1/2010	0:00	24:00	24.00	2359.67	X		
4/2/2010	0:00	24:00	24.00	2383.67			

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
4/3/2010	0:00	24:00	24.00	2407.67			
4/4/2010	0:00	24:00	24.00	2431.67			
4/5/2010	0:00	24:00	24.00	2455.67	X		1
4/6/2010	14:00	14:10	0.17	2455.83	X		
4/7/2010	0:00	0:00	0.00	2455.83			
4/8/2010	14:00	24:00	10.00	2465.83	X		
4/9/2010	0:00	24:00	24.00	2489.83			
4/10/2010	0:00	24:00	24.00	2513.83			
4/11/2010	0:00	24:00	24.00	2537.83			
4/12/2010	0:00	24:00	24.00	2561.83	X		
4/13/2010	0:00	24:00	24.00	2585.83	X	X	
4/14/2010	0:00	24:00	24.00	2609.83			
4/15/2010	0:00	24:00	24.00	2633.83			
4/16/2010	0:00	24:00	24.00	2657.83			
4/17/2010	0:00	24:00	24.00	2681.83			
4/18/2010	0:00	24:00	24.00	2705.83			
4/19/2010	0:00	24:00	24.00	2729.83	X		1
4/20/2010	0:00	10:30	10.50	2740.33	X		
4/20/2010	13:00	24:00	11.00	2751.33			
4/21/2010	0:00	24:00	24.00	2775.33			
4/22/2010	0:00	24:00	24.00	2799.33			
4/23/2010	0:00	24:00	24.00	2823.33	X	X	
4/24/2010	0:00	24:00	24.00	2847.33			
4/25/2010	0:00	24:00	24.00	2871.33			
4/26/2010	0:00	13:00	13.00	2884.33	X		
4/26/2010	15:00	24:00	9.00	2893.33			
4/27/2010	0:00	13:00	13.00	2906.33	X		
4/27/2010	15:15	24:00	8.75	2915.08			
4/28/2010	0:00	24:00	24.00	2939.08	X		
4/29/2010	0:00	24:00	24.00	2963.08			
4/30/2010	0:00	24:00	24.00	2987.08	X		
5/1/2010	0:00	24:00	24.00	3011.08			
5/2/2010	0:00	24:00	24.00	3035.08			
5/3/2010	0:00	24:00	24.00	3059.08	**X**		
5/4/2010	0:00	24:00	24.00	3083.08	**X**		
5/5/2010	0:00	24:00	24.00	3107.08			
5/6/2010	0:00	24:00	24.00	3131.08			
5/7/2010	0:00	24:00	24.00	3155.08			
5/8/2010	0:00	24:00	24.00	3179.08			
5/9/2010	0:00	24:00	24.00	3203.08			
5/10/2010	0:00	8:18	8.30	3211.38			
5/10/2010	13:54	14:38	0.73	3212.12			
5/10/2010	15:15	24:00	8.75	3220.87	X		
5/11/2010	10:20	11:05	0.75	3221.62	X		
5/11/2010	15:05	24:00	8.92	3230.53			
5/12/2010	0:00	9:00	9.00	3239.53			
5/12/2010	14:30	24:00	9.50	3249.03	X		
5/13/2010	0:00	12:00	12.00	3261.03			
5/14/2010	8:45	24:00	15.25	3276.28	X		
5/15/2010	0:00	24:00	24.00	3300.28			
5/16/2010	0:00	24:00	24.00	3324.28			
5/17/2010	0:00	24:00	24.00	3348.28	X		

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
5/18/2010	0:00	24:00	24.00	3372.28			
5/19/2010	0:00	24:00	24.00	3396.28			
5/20/2010	0:00	24:00	24.00	3420.28	X		
5/21/2010	0:00	24:00	24.00	3444.28			
5/22/2010	0:00	24:00	24.00	3468.28			
5/23/2010	0:00	24:00	24.00	3492.28			
5/24/2010	0:00	24:00	24.00	3516.28	X		
5/25/2010	0:00	24:00	24.00	3540.28	X	X	
5/26/2010	0:00	24:00	24.00	3564.28			
5/27/2010	0:00	24:00	24.00	3588.28			
5/28/2010	0:00	24:00	24.00	3612.28			
5/29/2010	0:00	24:00	24.00	3636.28			
5/30/2010	0:00	24:00	24.00	3660.28			
5/31/2010	0:00	24:00	24.00	3684.28			
6/1/2010	0:00	24:00	24.00	3708.28	X		
6/2/2010	0:00	24:00	24.00	3732.28	X		
6/3/2010	0:00	24:00	24.00	3756.28			
6/4/2010	0:00	24:00	24.00	3780.28			
6/5/2010	0:00	24:00	24.00	3804.28			
6/6/2010	0:00	24:00	24.00	3828.28			
6/7/2010	0:00	24:00	24.00	3852.28	X		
6/8/2010	0:00	24:00	24.00	3876.28			
6/9/2010	0:00	24:00	24.00	3900.28	X		
6/10/2010	0:00	24:00	24.00	3924.28			
6/11/2010	0:00	24:00	24.00	3948.28	X		
6/12/2010	0:00	24:00	24.00	3972.28			
6/13/2010	0:00	24:00	24.00	3996.28			
6/14/2010	0:00	24:00	24.00	4020.28	X		
6/15/2010	0:00	24:00	24.00	4044.28			
6/16/2010	0:00	24:00	24.00	4068.28			
6/17/2010	0:00	24:00	24.00	4092.28			
6/18/2010	0:00	24:00	24.00	4116.28	X		
6/19/2010	0:00	24:00	24.00	4140.28			
6/20/2010	0:00	24:00	24.00	4164.28			
6/21/2010	0:00	24:00	24.00	4188.28			
6/22/2010	0:00	24:00	24.00	4212.28	X	X	
6/23/2010	0:00	24:00	24.00	4236.28			
6/24/2010	0:00	24:00	24.00	4260.28	X		
6/25/2010	0:00	24:00	24.00	4284.28			
6/26/2010	0:00	24:00	24.00	4308.28			
6/27/2010	0:00	24:00	24.00	4332.28			
6/28/2010	0:00	24:00	24.00	4356.28	X		
6/29/2010	0:00	24:00	24.00	4380.28			
6/30/2010	0:00	24:00	24.00	4404.28			
7/1/2010	0:00	24:00	24.00	4428.28			
7/2/2010	0:00	24:00	24.00	4452.28			
7/3/2010	0:00	24:00	24.00	4476.28			
7/4/2010	0:00	24:00	24.00	4500.28			
7/5/2010	0:00	24:00	24.00	4524.28			
7/6/2010	0:00	12:30	12.50	4536.78	X	X	
7/6/2010	13:00	24:00	11.00	4547.78			
7/7/2010	0:00	24:00	24.00	4571.78			

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
7/8/2010	0:00	24:00	24.00	4595.78			
7/9/2010	0:00	24:00	24.00	4619.78			
7/10/2010	0:00	24:00	24.00	4643.78			
7/11/2010	0:00	24:00	24.00	4667.78			
7/12/2010	0:00	24:00	24.00	4691.78	X		
7/13/2010	0:00	24:00	24.00	4715.78			
7/14/2010	0:00	24:00	24.00	4739.78			
7/15/2010	0:00	24:00	24.00	4763.78			
7/16/2010	0:00	24:00	24.00	4787.78	X		
7/17/2010	0:00	24:00	24.00	4811.78			
7/18/2010	0:00	24:00	24.00	4835.78			
7/19/2010	0:00	24:00	24.00	4859.78	X		
7/20/2010	0:00	24:00	24.00	4883.78	X		
7/21/2010	0:00	24:00	24.00	4907.78			
7/22/2010	0:00	8:40	8.67	4916.45	X		
7/23/2010	12:00	24:00	12.00	4928.45	X		
7/24/2010	0:00	24:00	24.00	4952.45			
7/25/2010	0:00	24:00	24.00	4976.45			
7/26/2010	0:00	24:00	24.00	5000.45			
7/27/2010	0:00	24:00	24.00	5024.45	X	X	
7/28/2010	0:00	24:00	24.00	5048.45			
7/29/2010	0:00	24:00	24.00	5072.45			
7/30/2010	0:00	24:00	24.00	5096.45			
7/31/2010	0:00	24:00	24.00	5120.45			
8/1/2010	0:00	24:00	24.00	5144.45			
8/2/2010	0:00	24:00	24.00	5168.45			
8/3/2010	0:00	24:00	24.00	5192.45	X		
8/4/2010	0:00	24:00	24.00	5216.45			
8/5/2010	0:00	24:00	24.00	5240.45			
8/6/2010	0:00	24:00	24.00	5264.45	X		
8/7/2010	0:00	24:00	24.00	5288.45			
8/8/2010	0:00	24:00	24.00	5312.45			
8/9/2010	0:00	24:00	24.00	5336.45	X		
8/10/2010	0:00	20:00	20.00	5356.45			
8/11/2010	14:10	24:00	9.83	5366.28	X	X	
8/12/2010	0:00	24:00	24.00	5390.28			
8/13/2010	0:00	24:00	24.00	5414.28			
8/14/2010	0:00	24:00	24.00	5438.28			
8/15/2010	0:00	24:00	24.00	5462.28			
8/16/2010	0:00	24:00	24.00	5486.28	X		
8/17/2010	0:00	24:00	24.00	5510.28			
8/18/2010	0:00	24:00	24.00	5534.28			
8/19/2010	0:00	24:00	24.00	5558.28	X		
8/20/2010	0:00	24:00	24.00	5582.28			
8/21/2010	0:00	24:00	24.00	5606.28			
8/22/2010	0:00	24:00	24.00	5630.28			
8/23/2010	0:00	24:00	24.00	5654.28			
8/24/2010	0:00	24:00	24.00	5678.28			
8/25/2010	0:00	24:00	24.00	5702.28			
8/26/2010	0:00	24:00	24.00	5726.28	X	X	
8/27/2010	0:00	24:00	24.00	5750.28			
8/28/2010	0:00	24:00	24.00	5774.28			

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
8/29/2010	0:00	24:00	24.00	5798.28			
8/30/2010	0:00	24:00	24.00	5822.28	X		
8/31/2010	0:00	24:00	24.00	5846.28	X		
9/1/2010	0:00	24:00	24.00	5870.28			
9/2/2010	0:00	24:00	24.00	5894.28			
9/3/2010	0:00	24:00	24.00	5918.28	X		
9/4/2010	0:00	24:00	24.00	5942.28			
9/5/2010	0:00	24:00	24.00	5966.28			
9/6/2010	0:00	24:00	24.00	5990.28			
9/7/2010	0:00	24:00	24.00	6014.28			
9/8/2010	0:00	24:00	24.00	6038.28	X		
9/9/2010	0:00	24:00	24.00	6062.28	X		
9/10/2010	0:00	24:00	24.00	6086.28			
9/11/2010	0:00	24:00	24.00	6110.28			
9/12/2010	0:00	24:00	24.00	6134.28			
9/13/2010	0:00	11:20	11.33	6145.62	X		
9/13/2010	12:10	24:00	11.83	6157.45	X	X	
9/14/2010	0:00	24:00	24.00	6181.45			
9/15/2010	0:00	24:00	24.00	6205.45			
9/16/2010	0:00	24:00	24.00	6229.45			
9/17/2010	0:00	24:00	24.00	6253.45	X		
9/18/2010	0:00	24:00	24.00	6277.45			
9/19/2010	0:00	24:00	24.00	6301.45			
9/20/2010	0:00	24:00	24.00	6325.45	X		
9/21/2010	0:00	24:00	24.00	6349.45			
9/22/2010	0:00	24:00	24.00	6373.45			
9/23/2010	0:00	24:00	24.00	6397.45			
9/24/2010	0:00	9:25	9.42	6406.87	X	X	
9/24/2010	9:47	24:00	14.22	6421.08			
9/25/2010	0:00	24:00	24.00	6445.08			
9/26/2010	0:00	24:00	24.00	6469.08			
9/27/2010	0:00	24:00	24.00	6493.08	X		
9/28/2010	0:00	24:00	24.00	6517.08			
9/29/2010	0:00	9:00	9.00	6526.08			
9/29/2010	13:05	24:00	10.92	6537.00	X		
9/30/2010	0:00	24:00	24.00	6561.00			
10/1/2010	0:00	24:00	24.00	6585.00	X		
10/2/2010	0:00	24:00	24.00	6609.00			
10/3/2010	0:00	24:00	24.00	6633.00			
10/4/2010	0:00	24:00	24.00	6657.00	X		
10/5/2010	0:00	24:00	24.00	6681.00			
10/6/2010	0:00	24:00	24.00	6705.00			
10/7/2010	0:00	24:00	24.00	6729.00			
10/8/2010	0:00	24:00	24.00	6753.00	X	X	
10/9/2010	0:00	24:00	24.00	6777.00			
10/10/2010	0:00	24:00	24.00	6801.00			
10/11/2010	0:00	11:00	11.00	6812.00			
10/11/2010	13:00	24:00	11.00	6812.00	X		
10/12/2010	0:00	24:00	24.00	6836.00			
10/13/2010	0:00	24:00	24.00	6860.00			
10/14/2010	0:00	24:00	24.00	6884.00			
10/15/2010	0:00	24:00	24.00	6908.00			

Field Data Summary Sheet - SVE with Thermal Oxidizer
Oakdale, MN

Date	System On	System Off	Daily Hours	Total Hours	Site Visit	Summa Collected	Propane Delivered
10/16/2010	0:00	24:00	24.00	6932.00			
10/17/2010	0:00	24:00	24.00	6956.00			
10/18/2010	0:00	14:00	14.00	6970.00	X		
10/18/2010	15:05	24:00	8.92	6978.92			
10/19/2010	0:00	24:00	24.00	6994.00			
10/20/2010	0:00	24:00	24.00	7018.00			
10/21/2010	0:00	24:00	24.00	7042.00			
10/22/2010	0:00	24:00	24.00	7066.00	X		
10/23/2010	0:00	24:00	24.00	7090.00			
10/24/2010	0:00	24:00	24.00	7114.00			
10/25/2010	0:00	24:00	24.00	7138.00			
10/26/2010	0:00	24:00	24.00	7162.00			
10/27/2010	0:00	24:00	24.00	7186.00			
10/28/2010	0:00	24:00	24.00	7210.00			
10/29/2010	0:00	24:00	24.00	7234.00			
10/30/2010	0:00	24:00	24.00	7258.00			
10/31/2010	0:00	24:00	24.00	7282.00			
11/1/2010	0:00	24:00	24.00	7306.00	X	X	
11/2/2010	0:00	24:00	24.00	7330.00			
11/3/2010	0:00	24:00	24.00	7354.00	X		
11/4/2010	0:00	24:00	24.00	7378.00			
11/5/2010	0:00	24:00	24.00	7402.00			
11/6/2010	0:00	24:00	24.00	7426.00			
11/7/2010	0:00	24:00	24.00	7450.00			
11/8/2010	0:00	24:00	24.00	7474.00			
11/9/2010	0:00	24:00	24.00	7498.00			
11/10/2010	0:00	24:00	24.00	7522.00			
11/11/2010	0:00	24:00	24.00	7546.00			
11/12/2010	0:00	24:00	24.00	7570.00	X	X	
11/13/2010	0:00	24:00	24.00	7594.00			
11/14/2010	0:00	24:00	24.00	7618.00			
11/15/2010	0:00	9:25	9.42	7627.42	X		

Table 1 Actual Pre-Carbon Emissions from the Current SVE System - January 1, 2009 through September 30, 2009
Oakdale, MN Site

		January 2009			February 2009			March 2009			April			May 2009			June 2009			July 2009		
HAP Y or N	Parameters	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month
Y	Benzene	1.186	2.2	0.001	4.73	3.024	0.002	0.778	2.07	0.001	0.733	5.411	0.003	0.665	12.17	0.006	0.586	10.73	0.005	0.412	8.275	0.004
Y	Ethylbenzene	4.1	7.7	0.004	4.73	11.69	0.006	5.768	23.67	0.012	1.546	12.97	0.006	4.198	77.1	0.039	4.447	81.98	0.041	4.896	108.3	0.054
Y	Toluene	43.53	82.1	0.041	39.07	98.96	0.049	41.56	160.8	0.08	26.09	215.1	0.108	55.96	1028	0.514	52.3	959.5	0.48	52.2	1083	0.542
Y	Trichloroethene	2.556	4.8	0.002	2.708	6.742	0.003	2.537	10.09	0.005	0.895	7.505	0.004	1.644	30.19	0.015	1.711	31.31	0.016	1.327	26.84	0.013
Y	1,2-Dichloroethane	1.863	3.5	0.002	2.044	5.072	0.003	1.477	3.786	0.002	2.692	18.31	0.009	1.26	23.06	0.012	1.26	23.03	0.012	1.076	21.81	0.011
Y	4-Methyl-2-pentanone (MIBK)	2.883	5.4	0.003	3.144	7.807	0.004	2.614	7.694	0.004	1.857	15.58	0.008	0.431	8.414	0.004	2.991	55.01	0.028	3.536	74.88	0.037
Y	Methyl ethyl ketone (MEK)	2.054	3.9	0.002	2.044	5.12	0.003	2.282	8.705	0.004	1.063	8.922	0.004	1.734	30.55	0.015	1.567	28.67	0.014	2.176	43.92	0.022
Y	Xylene (Total)	9.595	18.1	0.009	11.28	27.83	0.014	12.08	43.86	0.022	3.816	32.01	0.016	12.3	231.5	0.116	15.29	283.6	0.142	19.49	457.4	0.229
Y	n-Hexane	2.61	4.9	0.002	2.742	6.834	0.003	2.443	9.316	0.005	1.976	14.16	0.007	1.215	22.2	0.011	0.76	13.87	0.007	0	0	0
	Total HAPS			0.066			0.087			0.135			0.165			0.732			0.744			0.912
N	1,3,5-Trimethylbenzene	0.01	0.0	1E-05		0.056	3E-05	0.03	0.118	6E-05	0	0	0	0.078	1.793	9E-04	0.27	5.098	0.003	0.436	11.72	0.006
N	1,2,4-Trimethylbenzene	0.039	0.1	4E-05	0.024	0.513	3E-04	0.269	0.833	4E-04	0	0	0	0.536	10.69	0.005	1.386	25.93	0.013	1.98	53.27	0.027
N	Cyclohexane	9.403	17.7	0.009	0.223	24.79	0.012	8.811	35.04	0.018	42.27	266.8	0.133	3.707	67.32	0.034	2.967	54.3	0.027	1.906	37.82	0.019
N	n-Heptane	19.78	37.3	0.019	9.955	50.18	0.025	18.59	66.98	0.033	9.306	76.78	0.038	16.26	294.8	0.147	14.46	265	0.132	10.4	207.5	0.104
N	4-Ethyltoluene	0.008	0.0	8E-06	20.07	0.044	2E-05	0.023	0.086	4E-05	0	0	0	0	0	0	0	0	0	0.165	4.439	0.002
	Total VOC's			0.094			0.124			0.187			0.337			0.919			0.919			1.07

Table 1 Actual Pre-Carbon Emissions from SVE System - January 1, 2009 - December 3, 2009

August 2009			September 2009			October 2009			November 2009			Total
Avg % by wt of VOC's	lbs/ day	tons/ period	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	Avg % by wt of VOC's	lbs/ month	tons/ month	tons
0.434	6.331	0.003	0.486	11.13	0.006	0.52	11.56	0.006	0	0.00	0	0.036
4.857	78.68	0.039	4.564	104.6	0.052	4.35	131.05	0.066	5.06	64.31	0.032	0.351
54.18	821.1	0.411	57.26	1313	0.656	60.85	1591	0.796	59.46	677.29	0.339	4.015
1.409	20.71	0.01	1.562	35.8	0.018	0.96	35.67	0.018	0.87	13.78	0.007	0.112
1.146	16.87	0.008	1.267	29.04	0.015	1.04	29.32	0.015	0.79	9.50	0.005	0.092
3.763	58.19	0.029	3.848	88.2	0.044	2.48	70.48	0.035	3.88	58.88	0.029	0.225
1.663	25.59	0.013	1.714	39.29	0.02	2.00	40.93	0.02	2.34	24.53	0.012	0.130
16.54	293.9	0.147	12.62	289.3	0.145	13.04	393.14	0.197	13.93	176.85	0.088	1.124
0	0	0	0	0	0	0	0.00	0	0	0	0	0.036
		0.661			0.955			1.152			0.513	4.46
0.238	5.835	0.003	0	0	0	0	0	0	0	0	0	0.012
1.585	33.36	0.017	0.626	14.36	0.007	0.43	14.54	0.007	0.40	2.72	0.001	0.078
2.026	29.22	0.015	2.31	52.94	0.026	2.61	62.34	0.031	2.35	23.70	0.012	0.336
12.07	174.2	0.087	13.74	315	0.157	11.74	333.84	0.167	10.91	133.82	0.067	0.978
0.09	2.21	0.001	0	0	0	0	0	0	0	0	0	0.003
		0.783			1.146			1.357			0.593	5.86

Notes:
1. Only detected compounds are listed
2. Total Hazardous Air Pollutants (HAPs) include Xylene (total), but not m&p-Xylene and o-Xylene as these compounds are already accounted for in the total Xylene result.
3. Total Volatile Organic Compounds (VOC's) include Xylene (total), but not m&p-Xylene and o-Xylene as these compounds are already accounted for in the total Xylene result.
4. Total VOC's are based on PID measurement. Concentrations of individual constituents are calculated based on molecular weight and volume concentrations.
5. November 2009 data includes three operational days in December.

Table 2 Actual Pre-ThermOx Emissions from the SVE System - January 1, 2010 through December 12, 2010

Date of Sample Days in Period Constituent	1/5/2010 4	1/19/2010 14	2/5/2010 17	2/22/2010 17	3/8/2010 14	3/22/2010 14	4/13/2010 22	4/23/2010 10	5/25/2010 32	6/22/2010 28	7/6/2010 14	7/27/2010 21
Ethylbenzene	0.00	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.07	0.01	0.01
1,2-Dichloroethane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
4-Methyl-2-pentanone (MIBK)	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	0.02	0.16	0.11	0.20	0.05	0.04	0.12	0.04	0.14	0.69	0.11	0.09
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Butanone (MEK)	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00
Trichloroethene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
Xylene (Total)	0.00	0.03	0.03	0.04	0.01	0.01	0.03	0.01	0.05	0.27	0.03	0.04
Total HAPs per Period (tons/period):	0.02	0.23	0.17	0.29	0.08	0.06	0.17	0.07	0.23	1.09	0.16	0.16
1,3,5-Trimethylbenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyclohexane	0.00	0.02	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.04	0.01	0.01
1,2,4-Trichlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.01	0.08	0.05	0.08	0.02	0.02	0.04	0.01	0.05	0.23	0.04	0.04
4-Ethyltoluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total VOCs per Period (tons/period):	0.04	0.33	0.23	0.39	0.11	0.09	0.23	0.09	0.28	1.37	0.20	0.20

1 - Only detected compounds are listed.

2 - Calculation includes Xylene (Total), but not m1Xylene and o-Xylene as these compounds are already accounted for in the Xylene (Total) result.

Table 2 Actual Pre-ThermOx Emissions from the SVE System - January 1, 2010 through December 12, 2010

Constituent / Date of Sample / Days in Period	8/11/2010 15	8/26/2010 15	9/13/2010 18	9/24/2010 11	10/8/2010 14	11/1/2010 24	11/12/2010 11	Total (tons/yr)
Ethylbenzene	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.22
1,2-Dichloroethane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
4-Methyl-2-pentanone (MIBK)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04
Toluene	0.06	0.06	0.05	0.03	0.18	0.07	0.05	2.28
n-Hexane	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Benzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2-Butanone (MEK)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.08
Trichloroethene	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07
Xylene (Total)	0.02	0.02	0.02	0.01	0.08	0.03	0.02	0.77
Total HAPs per Period (tons/period):	0.09	0.09	0.08	0.04	0.32	0.12	0.07	3.55
1,3,5-Trimethylbenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyclohexane	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.18
1,2,4-Trichlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
n-Heptane	0.02	0.02	0.02	0.01	0.08	0.03	0.02	0.88
4-Ethyltoluene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total VOCs per Period (tons/period):	0.12	0.12	0.10	0.06	0.41	0.15	0.09	4.61

1 - Only detected compounds are listed.

2 - Calculation includes Xylene (Total), but not m2Xylene and o-Xylene as these compounds are already accounted for in the Xylene (Total) result.

APPENDIX C
SAMPLING RESULTS

SOIL BORING SAMPLING RESULTS

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-1	A1-1	A1-2	A1-2	A1-3	A1-3	A1-4	A1-4	A1-5
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPA01 0 0000	OKMN SB SPA01 0 0030	OKMN SBC SPA02 0 0000	OKMN SB SPA02 0 0030	OKMN SBC SPA03 0 0000	OKMN SB SPA03 0 0030	OKMN SBC SPA04 0 0000	OKMN SB SPA04 0 0035	OKMN SBC SPA05 0 0000
	Sample Location:	SPA01	SPA01	SPA02	SPA02	SPA03	SPA03	SPA04	SPA04	SPA05
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1-Dichloroethene	60	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1-Dichloropropene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1,1-Trichloroethane	472	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1,1,2-Tetrachloroethane	51	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1,2-Trichloroethane	14	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1,2-Trichlorotrifluoroethane	5430	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,1,2,2-Tetrachloroethane	6.5	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2-Dibromo-3-chloropropane	NL	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
1,2-Dibromoethane (EDB)	0.5	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2-Dichlorobenzene	75	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2-Dichloroethane	6	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2-Dichloroethene (Total)	NL	---	<0.467	---	< 0.0062	---	< 0.0065	---	< 0.54	---
1,2-Dichloropropane	6	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2,3-Trichlorobenzene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2,3-Trichloropropane	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2,4-Trichlorobenzene	985	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,2,4-Trimethylbenzene	25	---	13.4	---	< 0.0031	---	0.0541	---	1.68	---
1,3-Dichlorobenzene	200	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,3-Dichloropropane	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
1,3,5-Trimethylbenzene	10	---	2.75	---	< 0.0031	---	0.0140	---	0.311	---
1,4-Dichlorobenzene	50	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
2-Butanone (MEK)	19000	---	<0.584	---	< 0.015	---	0.0323	---	< 0.68	---
2-Chloroethylvinyl ether	NL	---	<0.584	---	< 0.015	---	< 0.016	---	< 3.4	---
2-Chlorotoluene	436	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
2-Hexanone	NL	---	<0.584	---	< 0.015	---	< 0.016	---	< 0.68	---
2-Methylnaphthalene	369	---	0.508	---	< 0.015	---	< 0.016	---	< 0.27	---
2,2-Dichloropropane	NL	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
4-Chlorotoluene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
4-Methyl-2-pentanone (MIBK)	9000	---	1.92	---	< 0.015	---	< 0.016	---	< 0.68	---
Acetone	1000	---	<0.584	---	0.321	---	0.0782	---	< 0.68	---
Acrolein	NL	---	<2.34	---	< 0.077	---	< 0.082	---	< 2.7	---
Acrylonitrile	NL	---	<2.34	---	< 0.077	---	< 0.082	---	< 2.7	---
Allyl chloride	NL	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
Benzene	10	---	0.408	---	< 0.0031	---	0.0468	---	< 0.068	---
Bromobenzene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Bromochloromethane	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Bromodichloromethane	17	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Bromoform	650	---	<0.467	---	< 0.015	---	< 0.016	---	< 1.4	---
Bromomethane	2	---	<0.584	---	< 0.015	---	< 0.016	---	< 0.68	---
Carbon disulfide	190	---	<0.234	---	< 0.0031	---	0.00450	---	< 0.27	---
Carbon tetrachloride	0.9	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Chlorobenzene	32	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Chloroethane	3000	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.68	---
Chloroform	4	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Chloromethane	23	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
cis-1,2-Dichloroethene	22	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
cis-1,3-Dichloropropene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Cyclohexane	NL	---	26.2	---	< 0.0077	---	0.885	---	0.361	---
Dibromochloromethane	20	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Dibromomethane	1860	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Dichlorodifluoromethane	50	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
Dichlorofluoromethane	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Diethyl ether (Ethyl ether)	NL	---	<0.584	---	< 0.0077	---	< 0.0082	---	< 0.68	---
Diisopropyl ether	NL	---	<0.234	---	< 0.0031	---	0.471	---	< 0.27	---
Ethylbenzene	200	---	17.3	---	< 0.0031	---	0.125	---	2.83	---
Hexachloro-1,3-butadiene	37	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
Iodomethane	NL	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.68	---
Isopropylbenzene (Cumene)	87	---	0.663	---	< 0.0031	---	< 0.0033	---	< 0.27	---
m&p-Xylene	NL	---	42.5	---	< 0.0062	---	0.185	---	6.42	---
Methyl-tert-butyl ether	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Methylene Chloride	158	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
n-Butylbenzene	92	---	5.34	---	< 0.0031	---	0.0303	---	0.404	---
n-Propylbenzene	93	---	1.02	---	< 0.0031	---	0.00330	---	< 0.27	---
Naphthalene	28	---	3.58	---	< 0.0077	---	0.0197	---	0.468	---
o-Xylene	NL	---	18.5	---	< 0.0031	---	0.0819	---	1.63	---
p-Isopropyltoluene	NL	---	1.93	---	< 0.0031	---	0.0112	---	< 0.27	---
sec-Butylbenzene	70	---	1.25	---	< 0.0031	---	0.00810	---	< 0.27	---
Styrene	600	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
tert-Butylbenzene	90	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Tetrachloroethene	131	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-1	A1-1	A1-2	A1-2	A1-3	A1-3	A1-4	A1-4	A1-5
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPA01 0 0000	OKMN SB SPA01 0 0030	OKMN SBC SPA02 0 0000	OKMN SB SPA02 0 0030	OKMN SBC SPA03 0 0000	OKMN SB SPA03 0 0030	OKMN SBC SPA04 0 0000	OKMN SB SPA04 0 0035	OKMN SBC SPA05 0 0000
	Sample Location:	SPA01	SPA01	SPA02	SPA02	SPA03	SPA03	SPA04	SPA04	SPA05
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Tetrahydrofuran	NL	---	<2.34	---	< 0.031	---	< 0.033	---	< 2.7	---
Toluene	305	---	90.5	---	< 0.0031	---	0.00450	---	0.210	---
trans-1,2-Dichloroethene	33	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
trans-1,3-Dichloropropene	NL	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
trans-1,4-Dichloro-2-butene	NL	---	<0.584	---	< 0.039	---	< 0.041	---	< 0.68	---
Trichloroethene	46	---	<0.234	---	< 0.0031	---	< 0.0033	---	< 0.27	---
Trichlorofluoromethane	195	---	<0.234	---	< 0.0077	---	< 0.0082	---	< 0.27	---
Vinyl acetate	NL	---	<0.234	---	< 0.0077	---	0.264	---	< 0.27	---
Vinyl chloride	2.2	---	<0.0584	---	< 0.0031	---	< 0.0033	---	< 0.068	---
Xylene (Total)	130	---	61.1	---	< 0.0092	---	0.266	---	8.05	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
PCB-1221 (Aroclor 1221)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
PCB-1232 (Aroclor 1232)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
PCB-1242 (Aroclor 1242)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
PCB-1248 (Aroclor 1248)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
PCB-1254 (Aroclor 1254)	NL	4.93	---	1.12	---	0.916	---	0.155	---	0.652
PCB-1260 (Aroclor 1260)	NL	4.09	---	0.513	---	< 0.073	---	0.130	---	0.483
PCB-1262 (Aroclor 1262)	NL	<0.0913	---	< 0.072	---	0.925	---	< 0.036	---	< 0.036
PCB-1268 (Aroclor 1268)	NL	<0.0913	---	< 0.072	---	< 0.073	---	< 0.036	---	< 0.036
Total PCBs	50	9.02	---	1.63	---	1.84	---	0.285	---	1.14
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	7.9	10.5	8.0	7.2	9.7	10.1	8.1	19.2	7.8

Notes:
Shaded cells indicate data is superseded by a more recent sampling round.
ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the border of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-5	A1-5	A1-6	A1-6	A1-7	A1-7	A1-8	A1-8	A1-9
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SBC-A05RC-0-0000	OKMN SB SPA05 0 0025	OKMN SBC SPA06 0 0000	OKMN SB SPA06 0 0030	OKMN SBC SPA07 0 0000	OKMN SB SPA07 0 0030	OKMN SBC SPA08 0 0000	OKMN SB SPA08 0 0030	OKMN SBC SPA09 0 0000
	Sample Location:	A05RC	SPA05	SPA06	SPA06	SPA07	SPA07	SPA08	SPA08	SPA09
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs
	Sample Date:	16-Nov-10	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1-Dichloroethene	60	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1-Dichloropropene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1,1-Trichloroethane	472	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1,1,2-Tetrachloroethane	51	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1,2-Trichloroethane	14	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1,2-Trichlorotrifluoroethane	5430	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,1,2,2-Tetrachloroethane	6.5	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2-Dibromo-3-chloropropane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
1,2-Dibromoethane (EDB)	0.5	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2-Dichlorobenzene	75	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2-Dichloroethane	6	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2-Dichloroethene (Total)	NL	---	< 0.48	---	< 0.44	---	< 0.48	---	< 0.0089	---
1,2-Dichloropropane	6	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2,3-Trichlorobenzene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2,3-Trichloropropane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2,4-Trichlorobenzene	985	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,2,4-Trimethylbenzene	25	---	10.3	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,3-Dichlorobenzene	200	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,3-Dichloropropane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,3,5-Trimethylbenzene	10	---	2.12	---	< 0.22	---	< 0.24	---	< 0.0045	---
1,4-Dichlorobenzene	50	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
2-Butanone (MEK)	19000	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.022	---
2-Chloroethylvinyl ether	NL	---	< 3	---	< 2.8	---	< 3	---	< 0.022	---
2-Chlorotoluene	436	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
2-Hexanone	NL	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.022	---
2-Methylnaphthalene	369	---	0.383	---	< 0.22	---	< 0.24	---	< 0.022	---
2,2-Dichloropropane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
4-Chlorotoluene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
4-Methyl-2-pentanone (MIBK)	9000	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.022	---
Acetone	1000	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.022	---
Acrolein	NL	---	< 2.4	---	< 2.2	---	< 2.4	---	< 0.11	---
Acrylonitrile	NL	---	< 2.4	---	< 2.2	---	< 2.4	---	< 0.11	---
Allyl chloride	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
Benzene	10	---	0.0810	---	< 0.056	---	< 0.06	---	< 0.0045	---
Bromobenzene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Bromochloromethane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Bromodichloromethane	17	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Bromoform	650	---	< 1.2	---	< 1.1	---	< 1.2	---	< 0.022	---
Bromomethane	2	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.022	---
Carbon disulfide	190	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Carbon tetrachloride	0.9	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Chlorobenzene	32	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Chloroethane	3000	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.011	---
Chloroform	4	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Chloromethane	23	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
cis-1,2-Dichloroethene	22	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
cis-1,3-Dichloropropene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Cyclohexane	NL	---	3.42	---	< 0.22	---	< 0.24	---	< 0.011	---
Dibromochloromethane	20	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Dibromomethane	1860	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Dichlorodifluoromethane	50	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
Dichlorofluoromethane	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Diethyl ether (Ethyl ether)	NL	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.011	---
Diisopropyl ether	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	0.0256	---
Ethylbenzene	200	---	8.78	---	0.224	---	0.453	---	< 0.0045	---
Hexachloro-1,3-butadiene	37	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
Iodomethane	NL	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.011	---
Isopropylbenzene (Cumene)	87	---	0.428	---	< 0.22	---	< 0.24	---	< 0.0045	---
m&p-Xylene	NL	---	20.8	---	0.512	---	0.928	---	< 0.0089	---
Methyl-tert-butyl ether	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Methylene Chloride	158	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
n-Butylbenzene	92	---	4.90	---	< 0.22	---	< 0.24	---	< 0.0045	---
n-Propylbenzene	93	---	0.704	---	< 0.22	---	< 0.24	---	< 0.0045	---
Naphthalene	28	---	2.43	---	< 0.22	---	< 0.24	---	< 0.011	---
o-Xylene	NL	---	9.28	---	0.170	---	0.360	---	< 0.0045	---
p-Isopropyltoluene	NL	---	1.84	---	< 0.22	---	< 0.24	---	< 0.0045	---
sec-Butylbenzene	70	---	1.15	---	< 0.22	---	< 0.24	---	< 0.0045	---
Styrene	600	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
tert-Butylbenzene	90	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Tetrachloroethene	131	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-5	A1-5	A1-6	A1-6	A1-7	A1-7	A1-8	A1-8	A1-9
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SBC-A05RC-0-0000	OKMN SB SPA05 0 0025	OKMN SBC SPA06 0 0000	OKMN SB SPA06 0 0030	OKMN SBC SPA07 0 0000	OKMN SB SPA07 0 0030	OKMN SBC SPA08 0 0000	OKMN SB SPA08 0 0030	OKMN SBC SPA09 0 0000
	Sample Location:	A05RC	SPA05	SPA06	SPA06	SPA07	SPA07	SPA08	SPA08	SPA09
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs
	Sample Date:	16-Nov-10	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Tetrahydrofuran	NL	---	< 2.4	---	< 2.2	---	< 2.4	---	< 0.045	---
Toluene	305	---	0.964	---	0.528	---	0.0751	---	< 0.0045	---
trans-1,2-Dichloroethene	33	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
trans-1,3-Dichloropropene	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
trans-1,4-Dichloro-2-butene	NL	---	< 0.6	---	< 0.56	---	< 0.6	---	< 0.056	---
Trichloroethene	46	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.0045	---
Trichlorofluoromethane	195	---	< 0.24	---	< 0.22	---	< 0.24	---	< 0.011	---
Vinyl acetate	NL	---	< 0.24	---	< 0.22	---	< 0.24	---	0.0161	---
Vinyl chloride	2.2	---	< 0.06	---	< 0.056	---	< 0.06	---	< 0.0045	---
Xylene (Total)	130	---	30.0	---	0.682	---	1.29	---	< 0.013	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
PCB-1221 (Aroclor 1221)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
PCB-1232 (Aroclor 1232)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
PCB-1242 (Aroclor 1242)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
PCB-1248 (Aroclor 1248)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
PCB-1254 (Aroclor 1254)	NL	---	---	< 0.038	---	15.2	---	< 0.036	---	3.69
PCB-1260 (Aroclor 1260)	NL	---	---	< 0.038	---	6.70	---	< 0.036	---	< 0.18
PCB-1262 (Aroclor 1262)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	2.68
PCB-1268 (Aroclor 1268)	NL	---	---	< 0.038	---	< 0.77	---	< 0.036	---	< 0.18
Total PCBs	50	---	---	< 0.038	---	21.9	---	< 0.036	---	6.37
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	< 0.050	---	---	---	---	---	---	---	---
Barium, TCLP	100	0.54	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	0.0058	---	---	---	---	---	---	---	---
Chromium, TCLP	5	< 0.050	---	---	---	---	---	---	---	---
Lead, TCLP	5	0.032	---	---	---	---	---	---	---	---
Selenium, TCLP	1	< 0.075	---	---	---	---	---	---	---	---
Silver, TCLP	5	< 0.050	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	< 0.0002	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	< 0.025	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	< 100	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	>210	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	12.2	11.3	12.1	14.2	13.9	10.3	8.6	10.2	8.7

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-9	B1-1	B1-1	B1-2	B1-2	B1-3	B1-3	B1-3	B1-3
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPA09 0 0035	OKMN SB SPB01 0 0000	OKMN SB SPB01 0 0025	OKMN SB SPB02 0 0000	OKMN SB SPB02 0 0035	OKMN SBC SPB03 0 0000	OKMN-SBC-B03RC-0-0000	OKMN SBC SPB03 0 0000	OKMN SB SPB03 0 0035
	Sample Location:	SPA09	SPB01	SPB01	SPB02	SPB02	SPB03	B03RC	SPB03	SPB03
	Sample Type:	Grab	Composite	Grab	Composite	Grab	Composite	Composite	Composite (Duplicate)	Grab
	Sample Depth:	3.5 ft bgs	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.5 ft bgs
	Sample Date:	18-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	16-Nov-10	17-Jun-09	17-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1-Dichloroethene	60	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1-Dichloropropene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1,1-Trichloroethane	472	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1,1,2-Tetrachloroethane	51	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1,2-Trichloroethane	14	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1,2-Trichlorotrifluoroethane	5430	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,1,2,2-Tetrachloroethane	6.5	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2-Dibromo-3-chloropropane	NL	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
1,2-Dibromoethane (EDB)	0.5	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2-Dichlorobenzene	75	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2-Dichloroethane	6	0.524	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2-Dichloroethene (Total)	NL	< 0.47	---	<0.0044	---	<1.21	---	---	---	<11.1
1,2-Dichloropropane	6	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2,3-Trichlorobenzene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2,3-Trichloropropane	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2,4-Trichlorobenzene	985	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,2,4-Trimethylbenzene	25	8.46	---	<0.0022	---	23.4	---	---	---	**38.9**
1,3-Dichlorobenzene	200	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,3-Dichloropropane	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
1,3,5-Trimethylbenzene	10	1.78	---	<0.0022	---	4.61	---	---	---	<5.53
1,4-Dichlorobenzene	50	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
2-Butanone (MEK)	19000	5.56	---	<0.0109	---	<1.51	---	---	---	<13.8
2-Chloroethylvinyl ether	NL	< 2.9	---	<0.0109	---	<1.51	---	---	---	<13.8
2-Chlorotoluene	436	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
2-Hexanone	NL	< 0.58	---	<0.0109	---	<1.51	---	---	---	<13.8
2-Methylnaphthalene	369	< 0.23	---	<0.0109	---	<0.603	---	---	---	<5.53
2,2-Dichloropropane	NL	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
4-Chlorotoluene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
4-Methyl-2-pentanone (MIBK)	9000	8.61	---	<0.0109	---	<1.51	---	---	---	<13.8
Acetone	1000	4.03	---	0.0375	---	<1.51	---	---	---	<13.8
Acrolein	NL	< 2.3	---	<0.0545	---	<6.03	---	---	---	<55.3
Acrylonitrile	NL	< 2.3	---	<0.0545	---	<6.03	---	---	---	<55.3
Allyl chloride	NL	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
Benzene	10	0.221	---	<0.0022	---	<0.151	---	---	---	<1.38
Bromobenzene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Bromochloromethane	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Bromodichloromethane	17	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Bromoform	650	< 1.2	---	<0.0109	---	<1.21	---	---	---	<11.1
Bromomethane	2	< 0.58	---	<0.0109	---	<1.51	---	---	---	<13.8
Carbon disulfide	190	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Carbon tetrachloride	0.9	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Chlorobenzene	32	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Chloroethane	3000	< 0.58	---	<0.0054	---	<0.603	---	---	---	<5.53
Chloroform	4	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Chloromethane	23	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
cis-1,2-Dichloroethene	22	0.347	---	<0.0022	---	<0.603	---	---	---	<5.53
cis-1,3-Dichloropropene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Cyclohexane	NL	2.63	---	<0.0054	---	2.47	---	---	---	12.2
Dibromochloromethane	20	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Dibromomethane	1860	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Dichlorodifluoromethane	50	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
Dichlorofluoromethane	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Diethyl ether (Ethyl ether)	NL	< 0.58	---	<0.0054	---	<1.51	---	---	---	<13.8
Diisopropyl ether	NL	3.03	---	<0.0022	---	<0.603	---	---	---	<5.53
Ethylbenzene	200	17.5	---	<0.0022	---	3.32	---	---	---	75.5
Hexachloro-1,3-butadiene	37	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
Iodomethane	NL	< 0.58	---	<0.0054	---	<0.603	---	---	---	<5.53
Isopropylbenzene (Cumene)	87	0.436	---	<0.0022	---	<0.603	---	---	---	<5.53
m&p-Xylene	NL	35.4	---	<0.0044	---	19.2	---	---	---	172
Methyl-tert-butyl ether	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Methylene Chloride	158	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
n-Butylbenzene	92	2.65	---	<0.0022	---	10.0	---	---	---	12.3
n-Propylbenzene	93	0.646	---	<0.0022	---	<0.603	---	---	---	<5.53
Naphthalene	28	2.06	---	<0.0054	---	7.65	---	---	---	<5.53
o-Xylene	NL	14.6	---	<0.0022	---	15.6	---	---	---	72.6
p-Isopropyltoluene	NL	0.944	---	<0.0022	---	2.79	---	---	---	<5.53
sec-Butylbenzene	70	0.629	---	<0.0022	---	1.91	---	---	---	<5.53
Styrene	600	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
tert-Butylbenzene	90	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Tetrachloroethene	131	1.06	---	<0.0022	---	<0.603	---	---	---	<5.53

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	A1-9	B1-1	B1-1	B1-2	B1-2	B1-3	B1-3	B1-3	B1-3
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPA09 0 0035	OKMN SB SPB01 0 0000	OKMN SB SPB01 0 0025	OKMN SB SPB02 0 0000	OKMN SB SPB02 0 0035	OKMN SBC SPB03 0 0000	OKMN-SBC-B03RC-0-0000	OKMN SBC SPB03 0 0000	OKMN SB SPB03 0 0035
	Sample Location:	SPA09	SPB01	SPB01	SPB02	SPB02	SPB03	B03RC	SPB03	SPB03
	Sample Type:	Grab	Composite	Grab	Composite	Grab	Composite	Composite	Composite (Duplicate)	Grab
	Sample Depth:	3.5 ft bgs	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.5 ft bgs
	Sample Date:	18-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	16-Nov-10	17-Jun-09	17-Jun-09
Tetrahydrofuran	NL	< 2.3	---	<0.0218	---	<6.03	---	---	---	<55.3
Toluene	305	90.1	---	<0.0022	---	11.7	---	---	---	293
trans-1,2-Dichloroethene	33	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
trans-1,3-Dichloropropene	NL	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
trans-1,4-Dichloro-2-butene	NL	< 0.58	---	<0.0272	---	<1.51	---	---	---	<13.8
Trichloroethene	46	< 0.23	---	<0.0022	---	<0.603	---	---	---	<5.53
Trichlorofluoromethane	195	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
Vinyl acetate	NL	< 0.23	---	<0.0054	---	<0.603	---	---	---	<5.53
Vinyl chloride	2.2	< 0.058	---	<0.0022	---	<0.151	---	---	---	<1.38
Xylene (Total)	130	50.0	---	<0.0065	---	34.8	---	---	---	**244**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1221 (Aroclor 1221)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1232 (Aroclor 1232)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1242 (Aroclor 1242)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1248 (Aroclor 1248)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1254 (Aroclor 1254)	NL	---	6.08	---	4.63	---	8.30	---	8.04	---
PCB-1260 (Aroclor 1260)	NL	---	2.95	---	2.87	---	2.66	---	2.99	---
PCB-1262 (Aroclor 1262)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
PCB-1268 (Aroclor 1268)	NL	---	<0.186	---	<0.0912	---	<0.185	---	<0.184	---
Total PCBs	50	---	9.03	---	7.50	---	11.0	---	11.0	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	< 0.05	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	< 0.05	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	< 0.05	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	< 0.2	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	< 0.05	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	< 0.05	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	< 0.05	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	< 0.05	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	< 0.05	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	< 0.05	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	< 0.02	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	< 0.050	---	---
Barium, TCLP	100	---	---	---	---	---	---	0.42	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	< 0.0050	---	---
Chromium, TCLP	5	---	---	---	---	---	---	< 0.050	---	---
Lead, TCLP	5	---	---	---	---	---	---	< 0.015	---	---
Selenium, TCLP	1	---	---	---	---	---	---	< 0.075	---	---
Silver, TCLP	5	---	---	---	---	---	---	< 0.050	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	< 0.0002	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	< 0.025	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	< 100	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	>210	---	---
Percent Moisture (%)										
Percent Moisture	NL	11.4	9.6	8.2	7.7	10.7	9.2	9.7	8.5	9.6

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-3	B1-3 / B1-11	B1-3	B1-4	B1-4	B1-5	B1-5	B1-6	B1-6	B1-7
	Layer:	1	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB03 0 0035	OKMN-SB-B03C-0-0030	OKMN-SB-B03RC-0-0030	OKMN SB SPB04 0 0000	OKMN SB SPB04 0 0025	OKMN SB SPB05 0 0000	OKMN SB SPB05 0 0030	OKMN SB SPB06 0 0000	OKMN SB SPB06 0 0035	OKMN SBC SPB07 0 0000
	Sample Location:	SPB03	B03C[a]	B03RC	SPB04	SPB04	SPB05	SPB05	SPB06	SPB06	SPB07
	Sample Type:	Grab (Duplicate)	Grab	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	3.5 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	17-Jun-09	22-Jul-10	16-Nov-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**										
1,1-Dichloroethane	55	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1-Dichloroethene	60	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1-Dichloropropene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1,1-Trichloroethane	472	<1.11	0.877	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1,1,2-Tetrachloroethane	51	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1,2-Trichloroethane	14	<1.11	6.99	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1,2-Trichlorotrifluoroethane	5430	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,1,2,2-Tetrachloroethane	6.5	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2-Dibromo-3-chloropropane	NL	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
1,2-Dibromoethane (EDB)	0.5	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2-Dichlorobenzene	75	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2-Dichloroethane	6	<1.11	**8.61**	< 1.03	---	<0.225	---	<0.11	---	0.346	---
1,2-Dichloroethene (Total)	NL	<2.23	<1.08	< 2.06	---	<0.45	---	<0.221	---	<0.244	---
1,2-Dichloropropane	6	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2,3-Trichlorobenzene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2,3-Trichloropropane	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2,4-Trichlorobenzene	985	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,2,4-Trimethylbenzene	25	**45.5**	**83.0**	15.7	---	11.4	---	0.648	---	3.11	---
1,3-Dichlorobenzene	200	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,3-Dichloropropane	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
1,3,5-Trimethylbenzene	10	**10.2**	**20.5**	3.27	---	2.77	---	<0.11	---	0.694	---
1,4-Dichlorobenzene	50	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
2-Butanone (MEK)	19000	<2.78	<5.42	< 10.3	---	<0.563	---	<0.276	---	1.58	---
2-Chloroethylvinyl ether	NL	<2.78	<5.4	< 10.3	---	<0.563	---	<0.276	---	<0.305	---
2-Chlorotoluene	436	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
2-Hexanone	NL	<2.78	<5.42	< 10.3	---	<0.563	---	<0.276	---	<0.305	---
2-Methylnaphthalene	369	<1.11	2.80	< 5.16	---	<0.225	---	<0.11	---	<0.122	---
2,2-Dichloropropane	NL	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
4-Chlorotoluene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
4-Methyl-2-pentanone (MIBK)	9000	<2.78	24.5	< 10.3	---	<0.563	---	<0.276	---	4.34	---
Acetone	1000	<2.78	<5.42	< 10.3	---	<0.563	---	<0.276	---	1.39	---
Acrolein	NL	<11.1	<5.42	< 10.3	---	<2.25	---	<1.1	---	<1.22	---
Acrylonitrile	NL	<11.1	<5.42	< 10.3	---	<2.25	---	<1.1	---	<1.22	---
Allyl chloride	NL	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
Benzene	10	0.865	3.44	0.431	---	<0.0563	---	<0.0276	---	0.0715	---
Bromobenzene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Bromochloromethane	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Bromodichloromethane	17	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Bromoform	650	<2.23	<4.34	< 8.25	---	<0.45	---	<0.221	---	<0.244	---
Bromomethane	2	<2.78	<5.42	< 10.3	---	<0.563	---	<0.276	---	<0.305	---
Carbon disulfide	190	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Carbon tetrachloride	0.9	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
Chlorobenzene	32	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Chloroethane	3000	<1.11	<5.42	< 10.3	---	<0.225	---	<0.11	---	<0.122	---
Chloroform	4	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Chloromethane	23	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
cis-1,2-Dichloroethene	22	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
cis-1,3-Dichloropropene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Cyclohexane	NL	12.9	18.9	22.8	---	3.46	---	0.553	---	1.98	---
Dibromochloromethane	20	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Dibromomethane	1860	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Dichlorodifluoromethane	50	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Dichlorofluoromethane	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Diethyl ether (Ethyl ether)	NL	<2.78	<2.17	< 4.12	---	<0.563	---	<0.276	---	<0.305	---
Diisopropyl ether	NL	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	1.66	---
Ethylbenzene	200	88.9	**221**	30.7	---	3.20	---	0.0567	---	6.55	---
Hexachloro-1,3-butadiene	37	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
Iodomethane	NL	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
Isopropylbenzene (Cumene)	87	2.95	6.52	1.06	---	<0.225	---	<0.11	---	<0.122	---
m&p-Xylene	NL	218	478	72.9	---	31.7	---	0.205	---	14.1	---
Methyl-tert-butyl ether	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Methylene Chloride	158	<1.11	<2.17	< 4.12	---	<0.225	---	<0.11	---	<0.122	---
n-Butylbenzene	92	15.7	24.5	5.84	---	2.71	---	0.427	---	1.12	---
n-Propylbenzene	93	3.88	8.30	1.24	---	<0.225	---	<0.11	---	<0.122	---
Naphthalene	28	11.6	21.7	6.26	---	2.35	---	<0.11	---	1.01	---
o-Xylene	NL	91.0	186	28.6	---	17.8	---	0.168	---	5.79	---
p-Isopropyltoluene	NL	5.34	6.32	< 1.03	---	1.16	---	<0.11	---	0.337	---
sec-Butylbenzene	70	3.60	4.76	< 1.03	---	0.461	---	<0.11	---	<0.122	---
Styrene	600	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
tert-Butylbenzene	90	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Tetrachloroethene	131	<1.11	3.26	< 1.03	---	1.01	---	<0.11	---	0.397	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-3	B1-3 / B1-11	B1-3	B1-4	B1-4	B1-5	B1-5	B1-6	B1-6	B1-7
	Layer:	1	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB03 0 0035	OKMN-SB-B03C-0-0030	OKMN-SB-B03RC-0-0030	OKMN SB SPB04 0 0000	OKMN SB SPB04 0 0025	OKMN SB SPB05 0 0000	OKMN SB SPB05 0 0030	OKMN SB SPB06 0 0000	OKMN SB SPB06 0 0035	OKMN SBC SPB07 0 0000
	Sample Location:	SPB03	B03C[a]	B03RC	SPB04	SPB04	SPB05	SPB05	SPB06	SPB06	SPB07
	Sample Type:	Grab (Duplicate)	Grab	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	3.5 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	17-Jun-09	22-Jul-10	16-Nov-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09
Tetrahydrofuran	NL	<11.1	<5.42	< 10.3	---	<2.25	---	<1.1	---	<1.22	---
Toluene	305	**408**	**1080**	168	---	23.0	---	0.185	---	33.5	---
trans-1,2-Dichloroethene	33	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
trans-1,3-Dichloropropene	NL	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
trans-1,4-Dichloro-2-butene	NL	<2.78	<5.42	< 10.3	---	<0.563	---	<0.276	---	<0.305	---
Trichloroethene	46	3.94	14.4	< 1.03	---	<0.225	---	<0.11	---	0.275	---
Trichlorofluoromethane	195	<1.11	<0.542	< 1.03	---	<0.225	---	<0.11	---	<0.122	---
Vinyl acetate	NL	<1.11	<5.42	< 10.3	---	<0.225	---	<0.11	---	0.903	---
Vinyl chloride	2.2	<0.278	<0.217	< 0.412	---	<0.0563	---	<0.0276	---	<0.0305	---
Xylene (Total)	130	**309**	**664**	101	---	49.6	---	0.374	---	19.9	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**										
PCB-1016 (Aroclor 1016)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1221 (Aroclor 1221)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1232 (Aroclor 1232)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1242 (Aroclor 1242)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1248 (Aroclor 1248)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1254 (Aroclor 1254)	NL	---	---	---	10.3	---	17.6	---	6.43	---	4.39
PCB-1260 (Aroclor 1260)	NL	---	---	---	2.24	---	18.6	---	2.58	---	1.22
PCB-1262 (Aroclor 1262)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
PCB-1268 (Aroclor 1268)	NL	---	---	---	<0.181	---	<0.369	---	<0.093	---	< 0.18
Total PCBs	50	---	---	---	12.5	---	36.2	---	9.01	---	5.61
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**										
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**										
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)											
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---	---
Flashpoint (°F)											
Flashpoint	NL	---	---	---	---	---	---	---	---	---	---
Percent Moisture (%)											
Percent Moisture	NL	8.8	7.7	10.3	6.7	9.8	7.8	9.5	8.9	11.7	8.5

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-7	B1-7	B1-8	B1-8	B1-8	B1-8	B1-9	B1-9	B1-10
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB07 0 0030	OKMN-SB-B07C-0-0030	OKMN SBC SPB08 0 0000	OKMN SBC SPB08 0 0000	OKMN SB SPB08 0 0025	OKMN SB SPB08 0 0025	OKMN SBC SPB09 0 0000	OKMN SB SPB09 0 0035	OKMN SBC SPB10 0 0000
	Sample Location:	SPB07	B07C	SPB08	SPB08	SPB08	SPB08	SPB09	SPB09	SPB10
	Sample Type:	Grab	Grab	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Composite	Grab	Composite
	Sample Depth:	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	2.5 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	18-Jun-09	22-Jul-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,1-Dichloroethene	60	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,1-Dichloropropene	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,1,1-Trichloroethane	472	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,1,1,2-Tetrachloroethane	51	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,1,2-Trichloroethane	14	< 2.1	0.191	---	---	<0.121	<0.0017	---	< 0.21	---
1,1,2-Trichlorotrifluoroethane	5430	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,1,2,2-Tetrachloroethane	6.5	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,2-Dibromo-3-chloropropane	NL	< 2.1	<0.442	---	---	<0.121	<0.0044	---	< 0.21	---
1,2-Dibromoethane (EDB)	0.5	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,2-Dichlorobenzene	75	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,2-Dichloroethane	6	**17.5**	0.272	---	---	<0.121	<0.0017	---	< 0.21	---
1,2-Dichloroethene (Total)	NL	< 4.1	<0.221	---	---	<0.242	<0.0035	---	< 0.42	---
1,2-Dichloropropane	6	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,2,3-Trichlorobenzene	NL	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,2,3-Trichloropropane	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,2,4-Trichlorobenzene	985	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
1,2,4-Trimethylbenzene	25	**53.7**	3.31	---	---	<0.121	<0.0017	---	0.423	---
1,3-Dichlorobenzene	200	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,3-Dichloropropane	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
1,3,5-Trimethylbenzene	10	**11.4**	1.93	---	---	<0.121	<0.0017	---	< 0.21	---
1,4-Dichlorobenzene	50	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
2-Butanone (MEK)	19000	19.5	<1.10	---	---	<0.303	<0.0087	---	0.544	---
2-Chloroethylvinyl ether	NL	< 25.6	<1.1	---	---	<0.303	<0.0087	---	< 2.6	---
2-Chlorotoluene	436	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
2-Hexanone	NL	< 5.1	<1.10	---	---	<0.303	<0.0087	---	< 0.52	---
2-Methylnaphthalene	369	< 2.1	<0.552	---	---	<0.121	<0.0087	---	< 0.21	---
2,2-Dichloropropane	NL	< 2.1	<0.442	---	---	<0.121	<0.0044	---	< 0.21	---
4-Chlorotoluene	NL	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
4-Methyl-2-pentanone (MIBK)	9000	28.0	<1.10	---	---	<0.303	<0.0087	---	4.08	---
Acetone	1000	12.7	<1.10	---	---	<0.303	0.0584	---	0.593	---
Acrolein	NL	< 20.5	<1.10	---	---	<1.21	<0.0436	---	< 2.1	---
Acrylonitrile	NL	< 20.5	<1.10	---	---	<1.21	<0.0436	---	< 2.1	---
Allyl chloride	NL	< 2.1	<0.442	---	---	<0.121	<0.0044	---	< 0.21	---
Benzene	10	1.96	<0.0442	---	---	<0.0303	<0.0017	---	< 0.052	---
Bromobenzene	NL	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Bromochloromethane	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Bromodichloromethane	17	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Bromoform	650	< 10.2	<0.883	---	---	<0.242	<0.0087	---	< 1	---
Bromomethane	2	< 5.1	<1.10	---	---	<0.303	<0.0087	---	< 0.52	---
Carbon disulfide	190	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Carbon tetrachloride	0.9	< 2.1	<0.442	---	---	<0.121	<0.0017	---	< 0.21	---
Chlorobenzene	32	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Chloroethane	3000	< 5.1	<1.10	---	---	<0.121	<0.0044	---	< 0.52	---
Chloroform	4	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Chloromethane	23	< 2.1	<0.44	---	---	<0.121	<0.0044	---	< 0.21	---
cis-1,2-Dichloroethene	22	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
cis-1,3-Dichloropropene	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Cyclohexane	NL	81.7	0.902	---	---	<0.121	<0.0044	---	0.569	---
Dibromochloromethane	20	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Dibromomethane	1860	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Dichlorodifluoromethane	50	< 2.1	<0.110	---	---	<0.121	<0.0044	---	< 0.21	---
Dichlorofluoromethane	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Diethyl ether (Ethyl ether)	NL	< 5.1	<0.442	---	---	<0.303	<0.0044	---	< 0.52	---
Diisopropyl ether	NL	50.1	<0.44	---	---	<0.121	<0.0017	---	< 0.21	---
Ethylbenzene	200	101	0.967	---	---	0.210	<0.0017	---	0.690	---
Hexachloro-1,3-butadiene	37	< 2.1	<0.442	---	---	<0.121	<0.0044	---	< 0.21	---
Iodomethane	NL	< 5.1	<0.442	---	---	<0.121	<0.0044	---	< 0.52	---
Isopropylbenzene (Cumene)	87	2.77	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
m&p-Xylene	NL	215	4.00	---	---	0.417	<0.0035	---	1.43	---
Methyl-tert-butyl ether	NL	< 2.1	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Methylene Chloride	158	< 2.1	<0.442	---	---	<0.121	<0.0044	---	< 0.21	---
n-Butylbenzene	92	17.1	1.74	---	---	<0.121	<0.0017	---	< 0.21	---
n-Propylbenzene	93	4.30	<0.110	---	---	<0.121	<0.0017	---	< 0.21	---
Naphthalene	28	7.68	0.883	---	---	<0.121	<0.0044	---	< 0.21	---
o-Xylene	NL	88.1	5.88	---	---	0.114	<0.0017	---	0.728	---
p-Isopropyltoluene	NL	7.42	0.377	---	---	<0.121	<0.0017	---	< 0.21	---
sec-Butylbenzene	70	4.98	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Styrene	600	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
tert-Butylbenzene	90	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
Tetrachloroethene	131	15.1	1.38	---	---	<0.121	<0.0017	---	< 0.21	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-7	B1-7	B1-8	B1-8	B1-8	B1-8	B1-9	B1-9	B1-10
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB07 0 0030	OKMN-SB-B07C-0-0030	OKMN SBC SPB08 0 0000	OKMN SBC SPB08 0 0000	OKMN SB SPB08 0 0025	OKMN SB SPB08 0 0025	OKMN SBC SPB09 0 0000	OKMN SB SPB09 0 0035	OKMN SBC SPB10 0 0000
	Sample Location:	SPB07	B07C	SPB08	SPB08	SPB08	SPB08	SPB09	SPB09	SPB10
	Sample Type:	Grab	Grab	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Composite	Grab	Composite
	Sample Depth:	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	2.5 ft bgs	2.5 ft bgs	0 - 4 ft bgs	3.5 ft bgs	0 - 4 ft bgs
	Sample Date:	18-Jun-09	22-Jul-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Tetrahydrofuran	NL	< 20.5	<1.10	---	---	<1.21	<0.0174	---	< 2.1	---
Toluene	305	**610**	2.20	---	---	2.90	0.00580	---	7.18	---
trans-1,2-Dichloroethene	33	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
trans-1,3-Dichloropropene	NL	< 2.1	<0.11	---	---	<0.121	<0.0017	---	< 0.21	---
trans-1,4-Dichloro-2-butene	NL	< 5.1	<1.10	---	---	<0.303	<0.0218	---	< 0.52	---
Trichloroethene	46	18.7	0.445	---	---	<0.121	<0.0017	---	< 0.21	---
Trichlorofluoromethane	195	< 2.1	<0.110	---	---	<0.121	<0.0044	---	< 0.21	---
Vinyl acetate	NL	< 2.1	<1.10	---	---	<0.121	<0.0044	---	< 0.21	---
Vinyl chloride	2.2	< 0.51	<0.0442	---	---	<0.0303	<0.0017	---	< 0.052	---
Xylene (Total)	130	**303**	9.88	---	---	0.531	<0.0052	---	2.16	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1221 (Aroclor 1221)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1232 (Aroclor 1232)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1242 (Aroclor 1242)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1248 (Aroclor 1248)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1254 (Aroclor 1254)	NL	---	---	1.43	4.24	---	---	1.68	---	4.97
PCB-1260 (Aroclor 1260)	NL	---	---	0.851	1.26	---	---	0.942	---	1.89
PCB-1262 (Aroclor 1262)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
PCB-1268 (Aroclor 1268)	NL	---	---	<0.0187	<0.0185	---	---	< 0.074	---	< 0.18
Total PCBs	50	---	---	2.28	5.50	---	---	2.62	---	6.86
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	8.5	10.5	9.1	8.5	8.2	7.5	10.6	9.8	9.1

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-10	B1-10	B1-10	B1-11	B1-11	B1-11	B1-11	B1-11	B1-11
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SBC-B10RC-0-0000	OKMN SB SPB10 0 0030	OKMN-SB-B10RC-0-0030	OKMN SB SPB11 0 0000	OKMN SB SPB23 0 0000	OKMN-SBC-B11RC-0-0000	OKMN SB SPB11 0 0030	OKMN SB SPB23 0 0035	OKMN-SB-B10C-0-0020
	Sample Location:	B10RC	SPB10	B10RC	SPB11	SPB23	B11RC	SPB11	SPB23	B10C
	Sample Type:	Composite	Grab	Grab	Composite	Composite	Composite	Grab	Grab	Grab
	Sample Depth:	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.5 ft bgs	2.0 ft bgs
	Sample Date:	15-Nov-10	18-Jun-09	15-Nov-10	17-Jun-09	17-Jun-09	15-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,1-Dichloroethene	60	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,1-Dichloropropene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,1,1-Trichloroethane	472	---	< 5.2	0.495	---	---	---	<5.47	<0.109	<0.523
1,1,1,2-Tetrachloroethane	51	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,1,2-Trichloroethane	14	---	9.78	< 0.212	---	---	---	<5.47	0.236	1.09
1,1,2-Trichlorotrifluoroethane	5430	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,1,2,2-Tetrachloroethane	6.5	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2-Dibromo-3-chloropropane	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<2.09
1,2-Dibromoethane (EDB)	0.5	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2-Dichlorobenzene	75	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2-Dichloroethane	6	---	**6.30**	**9.56**	---	---	---	<5.47	0.336	<0.523
1,2-Dichloroethene (Total)	NL	---	< 10.3	< 0.849	---	---	---	<10.9	<0.219	<1.05
1,2-Dichloropropane	6	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2,3-Trichlorobenzene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2,3-Trichloropropane	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,2,4-Trichlorobenzene	985	---	< 5.2	< 0.425	---	---	---	<5.47	<0.109	<0.523
1,2,4-Trimethylbenzene	25	---	**112**	< 0.212	---	---	---	**144**	4.91	**50.1**
1,3-Dichlorobenzene	200	---	< 5.2	2.48	---	---	---	<5.47	<0.109	<0.523
1,3-Dichloropropane	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
1,3,5-Trimethylbenzene	10	---	**24.3**	< 0.212	---	---	---	**31.3**	1.34	**11.6**
1,4-Dichlorobenzene	50	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
2-Butanone (MEK)	19000	---	< 12.9	< 0.849	---	---	---	<13.7	<0.273	<5.23
2-Chloroethylvinyl ether	NL	---	< 64.3	< 2.12	---	---	---	<13.7	<0.273	<5.2
2-Chlorotoluene	436	---	< 5.2	< 2.12	---	---	---	<5.47	<0.109	<0.523
2-Hexanone	NL	---	< 12.9	< 0.212	---	---	---	<13.7	<0.273	<5.23
2-Methylnaphthalene	369	---	5.83	< 2.12	---	---	---	<5.47	0.432	3.70
2,2-Dichloropropane	NL	---	< 5.2	< 1.06	---	---	---	<5.47	<0.109	<2.09
4-Chlorotoluene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
4-Methyl-2-pentanone (MIBK)	9000	---	23.8	< 2.12	---	---	---	<13.7	0.603	<5.23
Acetone	1000	---	< 12.9	< 2.12	---	---	---	<13.7	<0.273	<5.23
Acrolein	NL	---	< 51.5	< 2.12	---	---	---	<54.7	<1.09	<5.23
Acrylonitrile	NL	---	< 51.5	< 2.12	---	---	---	<54.7	<1.09	<5.23
Allyl chloride	NL	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<2.09
Benzene	10	---	3.49	< 0.0849	---	---	---	8.62	<0.0273	0.786
Bromobenzene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Bromochloromethane	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Bromodichloromethane	17	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Bromoform	650	---	< 25.7	< 1.7	---	---	---	<10.9	<0.219	<4.18
Bromomethane	2	---	< 12.9	< 2.12	---	---	---	<13.7	<0.273	<5.23
Carbon disulfide	190	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Carbon tetrachloride	0.9	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<2.09
Chlorobenzene	32	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Chloroethane	3000	---	< 12.9	< 2.12	---	---	---	<5.47	<0.109	<5.23
Chloroform	4	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Chloromethane	23	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<2.09
cis-1,2-Dichloroethene	22	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
cis-1,3-Dichloropropene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Cyclohexane	NL	---	27.3	< 0.849	---	---	---	39.4	0.251	11.5
Dibromochloromethane	20	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Dibromomethane	1860	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Dichlorodifluoromethane	50	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Dichlorofluoromethane	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Diethyl ether (Ethyl ether)	NL	---	< 12.9	< 0.849	---	---	---	<13.7	<0.273	<2.09
Diisopropyl ether	NL	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<2.09
Ethylbenzene	200	---	29.1	7.06	---	---	---	**306**	1.54	65.5
Hexachloro-1,3-butadiene	37	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<2.09
Iodomethane	NL	---	< 12.9	< 0.849	---	---	---	<5.47	<0.109	<2.09
Isopropylbenzene (Cumene)	87	---	10.3	0.32	---	---	---	<5.47	<0.109	3.11
m&p-Xylene	NL	---	69.1	26.6	---	---	---	655	8.95	154
Methyl-tert-butyl ether	NL	---	< 5.2	< 0.849	---	---	---	<5.47	<0.109	<0.523
Methylene Chloride	158	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<2.09
n-Butylbenzene	92	---	44.7	4.15	---	---	---	32.7	1.69	23.5
n-Propylbenzene	93	---	11.1	4.83	---	---	---	11.4	<0.109	4.29
Naphthalene	28	---	**50.6**	0.434	---	---	---	21.5	3.06	22.4
o-Xylene	NL	---	27.4	15.4	---	---	---	252	6.73	69.1
p-Isopropyltoluene	NL	---	9.35	1.06	---	---	---	<5.47	0.385	5.87
sec-Butylbenzene	70	---	6.62	0.62	---	---	---	<5.47	<0.109	3.81
Styrene	600	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
tert-Butylbenzene	90	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Tetrachloroethene	131	---	6.50	0.453	---	---	---	<5.47	0.239	1.12

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-10	B1-10	B1-10	B1-11	B1-11	B1-11	B1-11	B1-11	B1-11
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SBC-B10RC-0-0000	OKMN SB SPB10 0 0030	OKMN-SB-B10RC-0-0030	OKMN SB SPB11 0 0000	OKMN SB SPB23 0 0000	OKMN-SBC-B11RC-0-0000	OKMN SB SPB11 0 0030	OKMN SB SPB23 0 0035	OKMN-SB-B10C-0-0020
	Sample Location:	B10RC	SPB10	B10RC	SPB11	SPB23	B11RC	SPB11	SPB23	B10C
	Sample Type:	Composite	Grab	Grab	Composite	Composite	Composite	Grab	Grab	Grab
	Sample Depth:	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.5 ft bgs	2.0 ft bgs
	Sample Date:	15-Nov-10	18-Jun-09	15-Nov-10	17-Jun-09	17-Jun-09	15-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10
Tetrahydrofuran	NL	---	< 51.5	< 2.12	---	---	---	<54.7	<1.09	<5.23
Toluene	305	---	121	19.7	---	---	---	**1890**	10.9	167
trans-1,2-Dichloroethene	33	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
trans-1,3-Dichloropropene	NL	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
trans-1,4-Dichloro-2-butene	NL	---	< 12.9	< 2.12	---	---	---	<13.7	<0.273	<5.23
Trichloroethene	46	---	14.0	0.284	---	---	---	21.9	0.245	2.61
Trichlorofluoromethane	195	---	< 5.2	< 0.212	---	---	---	<5.47	<0.109	<0.523
Vinyl acetate	NL	---	< 5.2	< 2.12	---	---	---	<5.47	<0.109	<5.23
Vinyl chloride	2.2	---	< 1.3	< 0.0849	---	---	---	<1.37	<0.0273	<0.209
Xylene (Total)	130	---	96.5	42.0	---	---	---	**907**	15.7	**223**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	---	12.2	9.96	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	---	<0.184	4.21	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	---	<0.184	<0.186	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	---	<0.184	<0.186	---	---	---	---
Total PCBs	50	---	---	---	12.2	14.2	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	< 0.05	---	---	---	---	< 0.05	---	---	---
1,2-Dichloroethane, TCLP	0.5	< 0.05	---	---	---	---	< 0.05	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	< 0.05	---	---	---	---	< 0.05	---	---	---
2-Butanone (MEK), TCLP	200	< 0.2	---	---	---	---	< 0.2	---	---	---
Benzene, TCLP	0.5	< 0.05	---	---	---	---	< 0.05	---	---	---
Carbon tetrachloride, TCLP	0.5	< 0.05	---	---	---	---	< 0.05	---	---	---
Chlorobenzene, TCLP	100	< 0.05	---	---	---	---	< 0.05	---	---	---
Chloroform, TCLP	6	< 0.05	---	---	---	---	< 0.05	---	---	---
Tetrachloroethene, TCLP	0.7	< 0.05	---	---	---	---	< 0.05	---	---	---
Trichloroethene, TCLP	0.5	0.0553	---	---	---	---	< 0.05	---	---	---
Vinyl chloride, TCLP	0.2	< 0.02	---	---	---	---	< 0.02	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	9.0	8.9	9.3	8.1	9.1	9.1	8.6	8.6	8.0

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-11	B1-11 / B1-3	B1-11	B1-12	B1-12 / B1-17	B1-12	B1-12 / B1-17	B1-13	B1-13
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SB-B11C-0-0030	OKMN-SB-B03C-0-0030	OKMN-SB-B11RC-0-0030	OKMN SBC SPB12 0 0000	OKMN SBC SPB22 0 0000	OKMN SB SPB12 0 0030	OKMN SB SPB22 0 0020	OKMN SBC SPB13 0 0000	OKMN SBC SPB13 0 0000
	Sample Location:	B11C	B03C[a]	B11RC	SPB12	SPB22[a]	SPB12	SPB22[a]	SPB13	SPB13
	Sample Type:	Grab	Grab	Grab	Composite	Composite	Grab	Grab	Composite	Composite (Duplicate)
	Sample Depth:	3.0 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	2.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs
	Sample Date:	22-Jul-10	22-Jul-10	15-Nov-10	17-Jun-09	18-Jun-09	17-Jun-09	18-Jun-09	17-Jun-09	17-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,1-Dichloroethene	60	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,1-Dichloropropene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,1,1-Trichloroethane	472	<0.505	0.877	2.17	---	---	<0.551	< 0.4	---	---
1,1,1,2-Tetrachloroethane	51	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,1,2-Trichloroethane	14	2.15	6.99	< 0.227	---	---	<0.551	0.762	---	---
1,1,2-Trichlorotrifluoroethane	5430	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,1,2,2-Tetrachloroethane	6.5	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,2-Dibromo-3-chloropropane	NL	<2.02	<2.17	< 0.227	---	---	<0.551	< 0.4	---	---
1,2-Dibromoethane (EDB)	0.5	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,2-Dichlorobenzene	75	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,2-Dichloroethane	6	1.87	**8.61**	**63.8**	---	---	<0.551	< 0.4	---	---
1,2-Dichloroethene (Total)	NL	<1.01	<1.08	< 0.909	---	---	<1.1	< 0.81	---	---
1,2-Dichloropropane	6	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,2,3-Trichlorobenzene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,2,3-Trichloropropane	NL	<0.505	<0.542	0.822	---	---	<0.551	< 0.4	---	---
1,2,4-Trichlorobenzene	985	<0.505	<0.542	< 0.455	---	---	<0.551	< 0.4	---	---
1,2,4-Trimethylbenzene	25	**92.5**	**83.0**	< 0.227	---	---	9.93	**58.8**	---	---
1,3-Dichlorobenzene	200	<0.505	<0.542	14.2	---	---	<0.551	< 0.4	---	---
1,3-Dichloropropane	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
1,3,5-Trimethylbenzene	10	**22.6**	**20.5**	< 0.227	---	---	1.96	**13.2**	---	---
1,4-Dichlorobenzene	50	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
2-Butanone (MEK)	19000	<5.05	<5.42	< 0.909	---	---	33.9	1.64	---	---
2-Chloroethylvinyl ether	NL	<5.1	<5.4	< 2.27	---	---	<1.38	< 5.1	---	---
2-Chlorotoluene	436	<0.505	<0.542	< 2.27	---	---	<0.551	< 0.4	---	---
2-Hexanone	NL	<5.05	<5.42	< 0.227	---	---	<1.38	< 1	---	---
2-Methylnaphthalene	369	3.94	2.80	< 2.27	---	---	<0.551	2.13	---	---
2,2-Dichloropropane	NL	<2.02	<2.17	5.87	---	---	<0.551	< 0.4	---	---
4-Chlorotoluene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
4-Methyl-2-pentanone (MIBK)	9000	<5.05	24.5	< 2.27	---	---	27.9	4.66	---	---
Acetone	1000	<5.05	<5.42	< 2.27	---	---	13.2	1.16	---	---
Acrolein	NL	<5.05	<5.42	< 2.27	---	---	<5.51	< 4	---	---
Acrylonitrile	NL	<5.05	<5.42	< 2.27	---	---	<5.51	< 4	---	---
Allyl chloride	NL	<2.02	<2.17	< 0.909	---	---	<0.551	< 0.4	---	---
Benzene	10	1.22	3.44	0.380	---	---	<0.138	< 0.1	---	---
Bromobenzene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Bromochloromethane	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Bromodichloromethane	17	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Bromoform	650	<4.04	<4.34	< 1.82	---	---	<1.1	< 2	---	---
Bromomethane	2	<5.05	<5.42	< 2.27	---	---	<1.38	< 1	---	---
Carbon disulfide	190	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Carbon tetrachloride	0.9	<2.02	<2.17	< 0.909	---	---	<0.551	< 0.4	---	---
Chlorobenzene	32	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Chloroethane	3000	<5.05	<5.42	< 2.27	---	---	<0.551	< 1	---	---
Chloroform	4	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Chloromethane	23	<2.02	<2.17	< 0.909	---	---	<0.551	< 0.4	---	---
cis-1,2-Dichloroethene	22	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
cis-1,3-Dichloropropene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Cyclohexane	NL	6.47	18.9	< 0.909	---	---	<0.551	< 0.4	---	---
Dibromochloromethane	20	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Dibromomethane	1860	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Dichlorodifluoromethane	50	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Dichlorofluoromethane	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Diethyl ether (Ethyl ether)	NL	<2.02	<2.17	< 0.909	---	---	<1.38	< 1	---	---
Diisopropyl ether	NL	<2.02	<2.17	< 0.909	---	---	<0.551	< 0.4	---	---
Ethylbenzene	200	147	**221**	126	---	---	23.2	28.8	---	---
Hexachloro-1,3-butadiene	37	<2.02	<2.17	< 0.909	---	---	<0.551	< 0.4	---	---
Iodomethane	NL	<2.02	<2.17	< 0.909	---	---	<0.551	< 1	---	---
Isopropylbenzene (Cumene)	87	5.07	6.52	4.47	---	---	<0.551	1.86	---	---
m&p-Xylene	NL	321	478	288	---	---	52.2	102	---	---
Methyl-tert-butyl ether	NL	<0.505	<0.542	< 0.909	---	---	<0.551	< 0.4	---	---
Methylene Chloride	158	<2.02	<2.17	< 0.227	---	---	<0.551	< 0.4	---	---
n-Butylbenzene	92	24.0	24.5	25.5	---	---	2.91	21.2	---	---
n-Propylbenzene	93	7.02	8.30	24.90	---	---	<0.551	3.18	---	---
Naphthalene	28	23.7	21.7	5.30	---	---	6.02	19.8	---	---
o-Xylene	NL	125	186	116	---	---	19.7	56.2	---	---
p-Isopropyltoluene	NL	5.69	6.32	6.56	---	---	<0.551	3.30	---	---
sec-Butylbenzene	70	4.20	4.76	4.18	---	---	<0.551	2.94	---	---
Styrene	600	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
tert-Butylbenzene	90	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Tetrachloroethene	131	2.53	3.26	2.03	---	---	<0.551	0.734	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B1-11**	**B1-11 / B1-3**	**B1-11**	**B1-12**	**B1-12 / B1-17**	**B1-12**	**B1-12 / B1-17**	**B1-13**	**B1-13**
	Layer:	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
	Weston Sample ID:	**OKMN-SB-B11C-0-0030**	**OKMN-SB-B03C-0-0030**	**OKMN-SB-B11RC-0-0030**	**OKMN SBC SPB12 0 0000**	**OKMN SBC SPB22 0 0000**	**OKMN SB SPB12 0 0030**	**OKMN SB SPB22 0 0020**	**OKMN SBC SPB13 0 0000**	**OKMN SBC SPB13 0 0000**
	Sample Location:	**B11C**	**B03C[a]**	**B11RC**	**SPB12**	**SPB22[a]**	**SPB12**	**SPB22[a]**	**SPB13**	**SPB13**
	Sample Type:	**Grab**	**Grab**	**Grab**	**Composite**	**Composite**	**Grab**	**Grab**	**Composite**	**Composite (Duplicate)**
	Sample Depth:	**3.0 ft bgs**	**3.0 ft bgs**	**3.0 ft bgs**	**0 - 4 ft bgs**	**0 - 4 ft bgs**	**3.0 ft bgs**	**2.0 ft bgs**	**0 - 4 ft bgs**	**0 - 4 ft bgs**
	Sample Date:	**22-Jul-10**	**22-Jul-10**	**15-Nov-10**	**17-Jun-09**	**18-Jun-09**	**17-Jun-09**	**18-Jun-09**	**17-Jun-09**	**17-Jun-09**
Tetrahydrofuran	NL	<5.05	<5.42	< 2.27	---	---	<5.51	< 4	---	---
Toluene	305	**509**	**1080**	294	---	---	141	28.0	---	---
trans-1,2-Dichloroethene	33	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
trans-1,3-Dichloropropene	NL	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
trans-1,4-Dichloro-2-butene	NL	<5.05	<5.42	< 2.27	---	---	<1.38	< 1	---	---
Trichloroethene	46	4.77	14.4	2.44	---	---	1.49	< 0.4	---	---
Trichlorofluoromethane	195	<0.505	<0.542	< 0.227	---	---	<0.551	< 0.4	---	---
Vinyl acetate	NL	<5.05	<5.42	< 2.27	---	---	<0.551	< 0.4	---	---
Vinyl chloride	2.2	<0.202	<0.217	< 0.0909	---	---	<0.138	< 0.1	---	---
Xylene (Total)	130	**446**	**664**	**404**	---	---	71.8	**158**	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1221 (Aroclor 1221)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1232 (Aroclor 1232)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1242 (Aroclor 1242)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1248 (Aroclor 1248)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1254 (Aroclor 1254)	NL	---	---	---	8.07	7.62	---	---	6.02	4.85
PCB-1260 (Aroclor 1260)	NL	---	---	---	5.09	1.85	---	---	7.09	10.90
PCB-1262 (Aroclor 1262)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
PCB-1268 (Aroclor 1268)	NL	---	---	---	<0.185	< 0.35	---	---	<0.186	<0.183
Total PCBs	50	---	---	---	13.2	9.47	---	---	13.1	15.8
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	7.9	7.7	9.9	8.6	6.7	7.9	7.3	8.7	7.8

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-13	B1-13	B1-14	B1-14	B1-14	B1-14	B1-14	B1-14	B1-14
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB13 0 0030	OKMN SB SPB13 0 0030	OKMN SBC SPB14 0 0000	OKMN SBC SPB20 0 0000	OKMN SBC SPB20 0 0000	OKMN SB SPB20 0 0030	OKMN SB SPB20 0 0030	OKMN SB SPB14 0 0035	OKMN-SB-B14C-0-0030
	Sample Location:	SPB13	SPB13	SPB14	SPB20	SPB20	SPB20	SPB20	SPB14	B14C
	Sample Type:	Grab	Grab (Duplicate)	Composite	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Grab	Grab
	Sample Depth:	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	3.5 ft bgs	3.0 ft bgs
	Sample Date:	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1-Dichloroethene	60	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1-Dichloropropene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1,1-Trichloroethane	472	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1,1,2-Tetrachloroethane	51	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1,2-Trichloroethane	14	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	1.15
1,1,2-Trichlorotrifluoroethane	5430	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,1,2,2-Tetrachloroethane	6.5	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2-Dibromo-3-chloropropane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
1,2-Dibromoethane (EDB)	0.5	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2-Dichlorobenzene	75	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2-Dichloroethane	6	<1.06	<1.12	---	---	---	<1.15	<2.24	**16.4**	1.27
1,2-Dichloroethene (Total)	NL	<2.11	<2.24	---	---	---	<2.3	<4.47	<11.1	<0.547
1,2-Dichloropropane	6	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2,3-Trichlorobenzene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2,3-Trichloropropane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2,4-Trichlorobenzene	985	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,2,4-Trimethylbenzene	25	17.1	17.0	---	---	---	18.9	17.3	**34.5**	19.2
1,3-Dichlorobenzene	200	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,3-Dichloropropane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
1,3,5-Trimethylbenzene	10	3.70	3.65	---	---	---	3.88	<2.24	<5.57	5.39
1,4-Dichlorobenzene	50	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
2-Butanone (MEK)	19000	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
2-Chloroethylvinyl ether	NL	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.7
2-Chlorotoluene	436	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
2-Hexanone	NL	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
2-Methylnaphthalene	369	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.37
2,2-Dichloropropane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
4-Chlorotoluene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
4-Methyl-2-pentanone (MIBK)	9000	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
Acetone	1000	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
Acrolein	NL	<10.6	<11.2	---	---	---	<11.5	<22.4	<55.7	<2.73
Acrylonitrile	NL	<10.6	<11.2	---	---	---	<11.5	<22.4	<55.7	<2.73
Allyl chloride	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
Benzene	10	<0.264	<0.28	---	---	---	<0.288	<0.559	<1.39	0.131
Bromobenzene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Bromochloromethane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Bromodichloromethane	17	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Bromoform	650	<2.11	<2.24	---	---	---	<2.3	<4.47	<11.1	<2.19
Bromomethane	2	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
Carbon disulfide	190	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Carbon tetrachloride	0.9	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
Chlorobenzene	32	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Chloroethane	3000	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<2.73
Chloroform	4	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Chloromethane	23	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
cis-1,2-Dichloroethene	22	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
cis-1,3-Dichloropropene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Cyclohexane	NL	2.80	2.91	---	---	---	10.4	9.40	52.8	3.88
Dibromochloromethane	20	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Dibromomethane	1860	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Dichlorodifluoromethane	50	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Dichlorofluoromethane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Diethyl ether (Ethyl ether)	NL	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<1.09
Diisopropyl ether	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	28.8	<1.09
Ethylbenzene	200	16.2	17.2	---	---	---	18.2	16.9	36.3	8.86
Hexachloro-1,3-butadiene	37	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
Iodomethane	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
Isopropylbenzene (Cumene)	87	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	0.586
m&p-Xylene	NL	41.9	42.9	---	---	---	44.5	41.2	88.7	20.9
Methyl-tert-butyl ether	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Methylene Chloride	158	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<1.09
n-Butylbenzene	92	8.65	8.39	---	---	---	7.58	6.92	12.1	8.18
n-Propylbenzene	93	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	1.00
Naphthalene	28	8.91	9.37	---	---	---	8.02	6.84	<5.57	5.19
o-Xylene	NL	18.5	19.0	---	---	---	19.9	18.4	42.7	17.7
p-Isopropyltoluene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
sec-Butylbenzene	70	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	1.85
Styrene	600	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
tert-Butylbenzene	90	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Tetrachloroethene	131	<1.06	<1.12	---	---	---	<1.15	<2.24	14.8	6.23

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling

All Data

	Soil Block:	B1-13	B1-13	B1-14	B1-14	B1-14	B1-14	B1-14	B1-14	B1-14
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SB SPB13 0 0030	OKMN SB SPB13 0 0030	OKMN SBC SPB14 0 0000	OKMN SBC SPB20 0 0000	OKMN SBC SPB20 0 0000	OKMN SB SPB20 0 0030	OKMN SB SPB20 0 0030	OKMN SB SPB14 0 0035	OKMN-SB-B14C-0-0030
	Sample Location:	SPB13	SPB13	SPB14	SPB20	SPB20	SPB20	SPB20	SPB14	B14C
	Sample Type:	Grab	Grab (Duplicate)	Composite	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Grab	Grab
	Sample Depth:	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	3.5 ft bgs	3.0 ft bgs
	Sample Date:	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	22-Jul-10
Tetrahydrofuran	NL	<10.6	<11.2	---	---	---	<11.5	<22.4	<55.7	<2.73
Toluene	305	45.7	53.6	---	---	---	89.2	86.7	291	26.4
trans-1,2-Dichloroethene	33	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
trans-1,3-Dichloropropene	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
trans-1,4-Dichloro-2-butene	NL	<2.64	<2.8	---	---	---	<2.88	<5.59	<13.9	<2.73
Trichloroethene	46	<1.06	<1.12	---	---	---	2.40	<2.24	14.9	2.42
Trichlorofluoromethane	195	<1.06	<1.12	---	---	---	<1.15	<2.24	<5.57	<0.273
Vinyl acetate	NL	<1.06	<1.12	---	---	---	<1.15	<2.24	15.6	<2.73
Vinyl chloride	2.2	<0.264	<0.28	---	---	---	<0.288	<0.559	<1.39	<0.109
Xylene (Total)	130	60.3	61.9	---	---	---	64.3	59.7	**131**	38.6
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	5.86	1.07	0.867	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	1.14	0.334	0.286	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	<0.188	<0.0183	<0.019	---	---	---	---
Total PCBs	50	---	---	7.00	1.40	1.15	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	9.8	10.8	9.5	7.8	10.9	7.9	8.0	8.6	8.7

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-15	B1-15	B1-15	B1-16	B1-16	B1-17	B1-17 / B1-12	B1-17	B1-17 / B1-12
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN SBC SPB15 0 0000	OKMN SB SPB15 0 0030	OKMN-SB-B15C-0-0010	OKMN SBC SPB16 0 0000	OKMN SB SPB16 0 0030	OKMN SBC SPB17 0 0000	OKMN SBC SPB22 0 0000	OKMN SB SPB17 0 0025	OKMN SB SPB22 0 0020
	Sample Location:	SPB15	SPB15	B15C	SPB16	SPB16	SPB17	SPB22[a]	SPB17	SPB22[a]
	Sample Type:	Composite	Grab	Grab	Composite	Grab	Composite	Composite	Grab	Grab
	Sample Depth:	0 - 4 ft bgs	3.0 ft bgs	1.0 ft bgs	0 - 4 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	2.5 ft bgs	2.0 ft bgs
	Sample Date:	18-Jun-09	18-Jun-09	22-Jul-10	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1-Dichloroethene	60	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1-Dichloropropene	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1,1-Trichloroethane	472	---	8.05	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1,1,2-Tetrachloroethane	51	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1,2-Trichloroethane	14	---	7.93	<0.054	---	< 0.0038	---	---	4.36	0.762
1,1,2-Trichlorotrifluoroethane	5430	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,1,2,2-Tetrachloroethane	6.5	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2-Dibromo-3-chloropropane	NL	---	< 5.3	<0.217	---	< 0.0095	---	---	< 2.3	< 0.4
1,2-Dibromoethane (EDB)	0.5	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2-Dichlorobenzene	75	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2-Dichloroethane	6	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2-Dichloroethene (Total)	NL	---	< 10.6	<0.108	---	< 0.0076	---	---	< 4.6	< 0.81
1,2-Dichloropropane	6	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2,3-Trichlorobenzene	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2,3-Trichloropropane	NL	---	< 5.3	<0.0542	---	< 0.0038	---	---	< 2.3	< 0.4
1,2,4-Trichlorobenzene	985	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,2,4-Trimethylbenzene	25	---	**70.5**	<0.054	---	< 0.0038	---	---	**141**	**58.8**
1,3-Dichlorobenzene	200	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,3-Dichloropropane	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
1,3,5-Trimethylbenzene	10	---	**15.5**	<0.054	---	< 0.0038	---	---	**32.1**	**13.2**
1,4-Dichlorobenzene	50	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
2-Butanone (MEK)	19000	---	< 13.3	<0.542	---	< 0.019	---	---	7.09	1.64
2-Chloroethylvinyl ether	NL	---	< 66.5	<0.54	---	< 0.019	---	---	< 28.5	< 5.1
2-Chlorotoluene	436	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
2-Hexanone	NL	---	< 13.3	<0.542	---	< 0.019	---	---	< 5.7	< 1
2-Methylnaphthalene	369	---	< 5.3	<0.27	---	< 0.019	---	---	4.41	2.13
2,2-Dichloropropane	NL	---	< 5.3	<0.217	---	< 0.0095	---	---	< 2.3	< 0.4
4-Chlorotoluene	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
4-Methyl-2-pentanone (MIBK)	9000	---	< 13.3	<0.542	---	< 0.019	---	---	24.2	4.66
Acetone	1000	---	< 13.3	<0.542	---	0.0323	---	---	< 5.7	1.16
Acrolein	NL	---	< 53.2	<0.542	---	< 0.095	---	---	< 22.8	< 4
Acrylonitrile	NL	---	< 53.2	<0.542	---	< 0.095	---	---	< 22.8	< 4
Allyl chloride	NL	---	< 5.3	<0.22	---	< 0.0095	---	---	< 2.3	< 0.4
Benzene	10	---	3.70	<0.0217	---	< 0.0038	---	---	< 0.57	< 0.1
Bromobenzene	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Bromochloromethane	NL	---	< 5.3	<0.0542	---	< 0.0038	---	---	< 2.3	< 0.4
Bromodichloromethane	17	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Bromoform	650	---	< 26.6	<0.43	---	< 0.019	---	---	< 11.4	< 2
Bromomethane	2	---	< 13.3	<0.542	---	< 0.019	---	---	< 5.7	< 1
Carbon disulfide	190	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Carbon tetrachloride	0.9	---	< 5.3	<0.22	---	< 0.0038	---	---	< 2.3	< 0.4
Chlorobenzene	32	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Chloroethane	3000	---	< 13.3	<0.542	---	< 0.0095	---	---	< 5.7	< 1
Chloroform	4	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Chloromethane	23	---	< 5.3	<0.22	---	< 0.0095	---	---	< 2.3	< 0.4
cis-1,2-Dichloroethene	22	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
cis-1,3-Dichloropropene	NL	---	< 5.3	<0.0542	---	< 0.0038	---	---	< 2.3	< 0.4
Cyclohexane	NL	---	42.2	<0.217	---	< 0.0095	---	---	< 2.3	< 0.4
Dibromochloromethane	20	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Dibromomethane	1860	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Dichlorodifluoromethane	50	---	< 5.3	<0.054	---	< 0.0095	---	---	< 2.3	< 0.4
Dichlorofluoromethane	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Diethyl ether (Ethyl ether)	NL	---	< 13.3	<0.22	---	< 0.0095	---	---	< 5.7	< 1
Diisopropyl ether	NL	---	< 5.3	<0.22	---	< 0.0038	---	---	< 2.3	< 0.4
Ethylbenzene	200	---	**279**	<0.054	---	< 0.0038	---	---	37.4	28.8
Hexachloro-1,3-butadiene	37	---	< 5.3	<0.22	---	< 0.0095	---	---	< 2.3	< 0.4
Iodomethane	NL	---	< 13.3	<0.217	---	< 0.0095	---	---	< 5.7	< 1
Isopropylbenzene (Cumene)	87	---	6.86	<0.054	---	< 0.0038	---	---	9.81	1.86
m&p-Xylene	NL	---	60.6	<0.11	---	0.00980	---	---	97.7	102
Methyl-tert-butyl ether	NL	---	< 5.3	<0.0542	---	< 0.0038	---	---	< 2.3	< 0.4
Methylene Chloride	158	---	< 5.3	<0.217	---	< 0.0095	---	---	< 2.3	< 0.4
n-Butylbenzene	92	---	23.1	<0.054	---	< 0.0038	---	---	50.3	21.2
n-Propylbenzene	93	---	7.10	<0.0542	---	< 0.0038	---	---	11.8	3.18
Naphthalene	28	---	16.2	<0.217	---	< 0.0095	---	---	**37.2**	19.8
o-Xylene	NL	---	267	<0.054	---	< 0.0038	---	---	33.2	56.2
p-Isopropyltoluene	NL	---	7.67	<0.0542	---	< 0.0038	---	---	11.7	3.30
sec-Butylbenzene	70	---	< 5.3	<0.054	---	< 0.0038	---	---	8.08	2.94
Styrene	600	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
tert-Butylbenzene	90	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
Tetrachloroethene	131	---	7.79	0.0725	---	< 0.0038	---	---	5.60	0.734

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B1-15**	**B1-15**	**B1-15**	**B1-16**	**B1-16**	**B1-17**	**B1-17 / B1-12**	**B1-17**	**B1-17 / B1-12**
	Layer:	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
	Weston Sample ID:	**OKMN SBC SPB15 0 0000**	**OKMN SB SPB15 0 0030**	**OKMN-SB-B15C-0-0010**	**OKMN SBC SPB16 0 0000**	**OKMN SB SPB16 0 0030**	**OKMN SBC SPB17 0 0000**	**OKMN SBC SPB22 0 0000**	**OKMN SB SPB17 0 0025**	**OKMN SB SPB22 0 0020**
	Sample Location:	**SPB15**	**SPB15**	**B15C**	**SPB16**	**SPB16**	**SPB17**	**SPB22[a]**	**SPB17**	**SPB22[a]**
	Sample Type:	**Composite**	**Grab**	**Grab**	**Composite**	**Grab**	**Composite**	**Composite**	**Grab**	**Grab**
	Sample Depth:	**0 - 4 ft bgs**	**3.0 ft bgs**	**1.0 ft bgs**	**0 - 4 ft bgs**	**3.0 ft bgs**	**0 - 4 ft bgs**	**0 - 4 ft bgs**	**2.5 ft bgs**	**2.0 ft bgs**
	Sample Date:	**18-Jun-09**	**18-Jun-09**	**22-Jul-10**	**18-Jun-09**	**18-Jun-09**	**18-Jun-09**	**18-Jun-09**	**18-Jun-09**	**18-Jun-09**
Tetrahydrofuran	NL	---	< 53.2	<0.542	---	< 0.038	---	---	< 22.8	< 4
Toluene	305	---	111	<0.054	---	0.0259	---	---	41.4	28.0
trans-1,2-Dichloroethene	33	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
trans-1,3-Dichloropropene	NL	---	< 5.3	<0.054	---	< 0.0038	---	---	< 2.3	< 0.4
trans-1,4-Dichloro-2-butene	NL	---	< 13.3	<0.542	---	< 0.048	---	---	< 5.7	< 1
Trichloroethene	46	---	20.6	<0.054	---	< 0.0038	---	---	2.52	< 0.4
Trichlorofluoromethane	195	---	< 5.3	<0.054	---	< 0.0095	---	---	< 2.3	< 0.4
Vinyl acetate	NL	---	< 5.3	<0.54	---	< 0.0095	---	---	< 2.3	< 0.4
Vinyl chloride	2.2	---	< 1.3	<0.022	---	< 0.0038	---	---	< 0.57	< 0.1
Xylene (Total)	130	---	**328**	<0.163	---	0.0125	---	---	**131**	**158**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1221 (Aroclor 1221)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1232 (Aroclor 1232)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1242 (Aroclor 1242)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1248 (Aroclor 1248)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1254 (Aroclor 1254)	NL	7.31	---	---	5.13	---	9.17	7.62	---	---
PCB-1260 (Aroclor 1260)	NL	2.50	---	---	0.776	---	1.60	1.85	---	---
PCB-1262 (Aroclor 1262)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
PCB-1268 (Aroclor 1268)	NL	< 0.37	---	---	< 0.38	---	< 0.36	< 0.35	---	---
Total PCBs	50	9.81	---	---	5.91	---	10.8	9.47	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	9.5	8.7	9.7	13.7	13.7	7.7	6.7	9.3	7.3

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-17	B1-18	B1-18	B1-18	B1-18	B1-18	B1-19	B1-19	B1-19
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SB-B17C-0-0035	OKMN SBC SPB18 0 0000	OKMN SBC SPB18 0 0000	OKMN SB SPB18 0 0030	OKMN SB SPB18 0 0030	OKMN-SB-B18C-0-0030	OKMN SB SPB21 0 0000	OKMN SBC SPB19 0 0000	OKMN SB SPB21 0 0030
	Sample Location:	B-17	SPB18	SPB18	SPB18	SPB18	B18C	SPB21	SPB19	SPB21
	Sample Type:	Grab	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Grab	Composite	Composite	Grab
	Sample Depth:	3.5 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs
	Sample Date:	22-Jul-10	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	22-Jul-10	17-Jun-09	18-Jun-09	17-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,1-Dichloroethene	60	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,1-Dichloropropene	NL	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,1,1-Trichloroethane	472	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,1,1,2-Tetrachloroethane	51	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,1,2-Trichloroethane	14	0.844	---	---	< 4.1	< 4.1	0.136	---	---	<0.117
1,1,2-Trichlorotrifluoroethane	5430	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,1,2,2-Tetrachloroethane	6.5	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,2-Dibromo-3-chloropropane	NL	<0.469	---	---	< 4.1	< 4.1	<0.424	---	---	<0.117
1,2-Dibromoethane (EDB)	0.5	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,2-Dichlorobenzene	75	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,2-Dichloroethane	6	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	1.42
1,2-Dichloroethene (Total)	NL	<0.234	---	---	< 8.3	< 8.2	<0.212	---	---	<0.234
1,2-Dichloropropane	6	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,2,3-Trichlorobenzene	NL	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,2,3-Trichloropropane	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,2,4-Trichlorobenzene	985	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
1,2,4-Trimethylbenzene	25	10.0	---	---	**49.3**	**70.2**	2.62	---	---	4.92
1,3-Dichlorobenzene	200	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,3-Dichloropropane	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
1,3,5-Trimethylbenzene	10	6.36	---	---	**10.9**	**15.1**	0.541	---	---	1.05
1,4-Dichlorobenzene	50	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
2-Butanone (MEK)	19000	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	33.9
2-Chloroethylvinyl ether	NL	<1.2	---	---	< 51.8	< 51.4	<1.1	---	---	<0.293
2-Chlorotoluene	436	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
2-Hexanone	NL	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	<0.293
2-Methylnaphthalene	369	<0.586	---	---	< 4.1	< 4.1	<0.530	---	---	<0.117
2,2-Dichloropropane	NL	<0.469	---	---	< 4.1	< 4.1	<0.424	---	---	<0.117
4-Chlorotoluene	NL	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
4-Methyl-2-pentanone (MIBK)	9000	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	21.2
Acetone	1000	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	10.1
Acrolein	NL	<1.17	---	---	< 41.4	< 41.1	<1.06	---	---	<1.17
Acrylonitrile	NL	<1.17	---	---	< 41.4	< 41.1	<1.06	---	---	<1.17
Allyl chloride	NL	<0.469	---	---	< 4.1	< 4.1	<0.424	---	---	<0.117
Benzene	10	<0.0469	---	---	< 1	< 1	<0.0424	---	---	0.438
Bromobenzene	NL	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Bromochloromethane	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Bromodichloromethane	17	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Bromoform	650	<0.937	---	---	< 20.7	< 20.6	<0.847	---	---	<0.234
Bromomethane	2	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	<0.293
Carbon disulfide	190	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Carbon tetrachloride	0.9	<0.469	---	---	< 4.1	< 4.1	<0.42	---	---	<0.117
Chlorobenzene	32	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Chloroethane	3000	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	<0.117
Chloroform	4	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Chloromethane	23	<0.47	---	---	< 4.1	< 4.1	<0.42	---	---	<0.117
cis-1,2-Dichloroethene	22	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
cis-1,3-Dichloropropene	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Cyclohexane	NL	<0.469	---	---	25.2	29.9	<0.424	---	---	6.86
Dibromochloromethane	20	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Dibromomethane	1860	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Dichlorodifluoromethane	50	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Dichlorofluoromethane	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Diethyl ether (Ethyl ether)	NL	<0.469	---	---	< 10.4	< 10.3	<0.424	---	---	<0.293
Diisopropyl ether	NL	<0.47	---	---	5.69	6.91	<0.42	---	---	3.08
Ethylbenzene	200	3.62	---	---	126	183	6.99	---	---	19.2
Hexachloro-1,3-butadiene	37	<0.469	---	---	< 4.1	< 4.1	<0.424	---	---	<0.117
Iodomethane	NL	<0.469	---	---	< 10.4	< 10.3	<0.424	---	---	<0.117
Isopropylbenzene (Cumene)	87	0.445	---	---	< 4.1	4.28	0.142	---	---	0.356
m&p-Xylene	NL	39.3	---	---	266	402	15.8	---	---	36.7
Methyl-tert-butyl ether	NL	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Methylene Chloride	158	<0.469	---	---	< 4.1	< 4.1	<0.424	---	---	<0.117
n-Butylbenzene	92	4.93	---	---	15.1	20.4	0.474	---	---	1.78
n-Propylbenzene	93	0.562	---	---	< 4.1	5.55	0.182	---	---	0.422
Naphthalene	28	1.91	---	---	9.68	15.6	0.584	---	---	1.44
o-Xylene	NL	32.9	---	---	102	159	6.03	---	---	14.2
p-Isopropyltoluene	NL	1.96	---	---	5.49	7.20	<0.106	---	---	0.612
sec-Butylbenzene	70	0.821	---	---	< 4.1	< 4.1	<0.11	---	---	0.314
Styrene	600	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
tert-Butylbenzene	90	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
Tetrachloroethene	131	1.18	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-17	B1-18	B1-18	B1-18	B1-18	B1-18	B1-19	B1-19	B1-19
	Layer:	1	1	1	1	1	1	1	1	1
	Weston Sample ID:	OKMN-SB-B17C-0-0035	OKMN SBC SPB18 0 0000	OKMN SBC SPB18 0 0000	OKMN SB SPB18 0 0030	OKMN SB SPB18 0 0030	OKMN-SB-B18C-0-0030	OKMN SB SPB21 0 0000	OKMN SBC SPB19 0 0000	OKMN SB SPB21 0 0030
	Sample Location:	B-17	SPB18	SPB18	SPB18	SPB18	B18C	SPB21	SPB19	SPB21
	Sample Type:	Grab	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)	Grab	Composite	Composite	Grab
	Sample Depth:	3.5 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs	3.0 ft bgs	3.0 ft bgs	0 - 4 ft bgs	0 - 4 ft bgs	3.0 ft bgs
	Sample Date:	22-Jul-10	18-Jun-09	18-Jun-09	18-Jun-09	18-Jun-09	22-Jul-10	17-Jun-09	18-Jun-09	17-Jun-09
Tetrahydrofuran	NL	<1.17	---	---	< 41.4	< 41.1	<1.06	---	---	<1.17
Toluene	305	3.03	---	---	111	80.3	19.1	---	---	117
trans-1,2-Dichloroethene	33	<0.117	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
trans-1,3-Dichloropropene	NL	<0.12	---	---	< 4.1	< 4.1	<0.11	---	---	<0.117
trans-1,4-Dichloro-2-butene	NL	<1.17	---	---	< 10.4	< 10.3	<1.06	---	---	<0.293
Trichloroethene	46	<0.117	---	---	10.5	16.7	0.311	---	---	2.33
Trichlorofluoromethane	195	<0.117	---	---	< 4.1	< 4.1	<0.106	---	---	<0.117
Vinyl acetate	NL	<1.17	---	---	< 4.1	< 4.1	<1.06	---	---	1.69
Vinyl chloride	2.2	<0.0469	---	---	< 1	< 1	<0.0424	---	---	<0.0293
Xylene (Total)	130	72.2	---	---	**367**	**560**	21.9	---	---	50.9
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1221 (Aroclor 1221)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1232 (Aroclor 1232)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1242 (Aroclor 1242)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1248 (Aroclor 1248)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1254 (Aroclor 1254)	NL	---	1.18	0.609	---	---	---	2.01	4.40	---
PCB-1260 (Aroclor 1260)	NL	---	0.320	0.225	---	---	---	0.863	0.901	---
PCB-1262 (Aroclor 1262)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
PCB-1268 (Aroclor 1268)	NL	---	< 0.071	< 0.035	---	---	---	<0.0374	< 0.18	---
Total PCBs	50	---	1.50	0.834	---	---	---	2.87	5.30	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5		---	---	---	---	---	---	---	---
Barium, TCLP	100		---	---	---	---	---	---	---	---
Cadmium, TCLP	1		---	---	---	---	---	---	---	---
Chromium, TCLP	5		---	---	---	---	---	---	---	---
Lead, TCLP	5		---	---	---	---	---	---	---	---
Selenium, TCLP	1		---	---	---	---	---	---	---	---
Silver, TCLP	5		---	---	---	---	---	---	---	---
Mercury, TCLP	0.2		---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL		---	---	---	---	---	---	---	---
Sulfide, Reactive	NL		---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL		---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	11.9	7.4	6.9	7.4	7.4	8.6	9.9	9.2	9.5

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-19	B1-19	B2-1	B2-1	B2-2	B2-2	B2-2	B2-2	B2-3
	Layer:	1	1	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SB SPB19 0 0035	OKMN-SB-B19C-0-0030	OKMN SBC SPB01 0 0040	OKMN SBC SPB01 0 0065	OKMN SBC SPB02 0 0040	OKMN SBC SPB02 0 0065	OKMN-SB-B02C-0-0060	OKMN-SB-B02C-DB-0060	OKMN SBC SPB03 0 0040
	Sample Location:	SPB19	B19C	SPB01	SPB01	SPB02	SPB02	B02C	B02C	SPB03
	Sample Type:	Grab	Grab	Composite	Grab	Composite	Grab	Grab	Grab (Duplicate)	Composite
	Sample Depth:	3.5 ft bgs	3.0 ft bgs	4 - 8 ft bgs	6.5 ft bgs	4 - 8 ft bgs	6.5 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs
	Sample Date:	18-Jun-09	22-Jul-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	17-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1-Dichloroethene	60	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1-Dichloropropene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1,1-Trichloroethane	472	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1,1,2-Tetrachloroethane	51	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1,2-Trichloroethane	14	< 2.3	1.25	---	<0.0016	---	<1.13	<1.34	0.638	---
1,1,2-Trichlorotrifluoroethane	5430	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,1,2,2-Tetrachloroethane	6.5	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2-Dibromo-3-chloropropane	NL	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
1,2-Dibromoethane (EDB)	0.5	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2-Dichlorobenzene	75	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2-Dichloroethane	6	**7.62**	1.75	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2-Dichloroethene (Total)	NL	< 4.5	<1.06	---	<0.0033	---	<2.25	<2.68	<1.09	---
1,2-Dichloropropane	6	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2,3-Trichlorobenzene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2,3-Trichloropropane	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2,4-Trichlorobenzene	985	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,2,4-Trimethylbenzene	25	13.3	5.40	---	0.0743	---	**25.8**	**26.2**	**29.5**	---
1,3-Dichlorobenzene	200	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,3-Dichloropropane	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
1,3,5-Trimethylbenzene	10	2.62	1.17	---	0.0188	---	5.32	8.07	9.06	---
1,4-Dichlorobenzene	50	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
2-Butanone (MEK)	19000	19.0	<5.29	---	<0.0082	---	<2.82	<13.4	<5.43	---
2-Chloroethylvinyl ether	NL	< 28.1	<5.3	---	<0.0082	---	<2.82	<13.4	<5.4	---
2-Chlorotoluene	436	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
2-Hexanone	NL	< 5.6	<5.29	---	<0.0082	---	<2.82	<13.4	<5.43	---
2-Methylnaphthalene	369	< 2.3	<2.65	---	<0.0082	---	<1.13	<6.71	<2.72	---
2,2-Dichloropropane	NL	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
4-Chlorotoluene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
4-Methyl-2-pentanone (MIBK)	9000	22.1	6.02	---	0.0559	---	7.50	<13.4	7.27	---
Acetone	1000	10.6	<5.29	---	0.0391	---	<2.82	<13.4	<5.43	---
Acrolein	NL	< 22.5	<5.29	---	<0.0411	---	<11.3	<13.4	<5.43	---
Acrylonitrile	NL	< 22.5	<5.29	---	<0.0411	---	<11.3	<13.4	<5.43	---
Allyl chloride	NL	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
Benzene	10	1.30	<0.212	---	0.00820	---	1.26	1.26	0.907	---
Bromobenzene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Bromochloromethane	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Bromodichloromethane	17	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Bromoform	650	< 11.2	<4.24	---	<0.0082	---	<2.25	<10.7	<4.35	---
Bromomethane	2	< 5.6	<5.29	---	<0.0082	---	<2.82	<13.4	<5.43	---
Carbon disulfide	190	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Carbon tetrachloride	0.9	< 2.3	<2.12	---	<0.0016	---	<1.13	<5.37	<2.17	---
Chlorobenzene	32	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Chloroethane	3000	< 5.6	<5.29	---	<0.0041	---	<1.13	<13.4	<5.43	---
Chloroform	4	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Chloromethane	23	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
cis-1,2-Dichloroethene	22	< 2.3	<0.529	---	0.00390	---	<1.13	2.39	0.858	---
cis-1,3-Dichloropropene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Cyclohexane	NL	33.5	5.11	---	0.0533	---	55.8	36.8	36.8	---
Dibromochloromethane	20	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Dibromomethane	1860	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Dichlorodifluoromethane	50	< 2.3	<0.529	---	<0.0041	---	<1.13	<1.34	<0.543	---
Dichlorofluoromethane	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Diethyl ether (Ethyl ether)	NL	< 5.6	<2.12	---	<0.0041	---	<2.82	<5.37	<2.17	---
Diisopropyl ether	NL	12.7	<2.12	---	0.0970	---	<1.13	<5.37	<2.17	---
Ethylbenzene	200	14.1	20.9	---	0.0606	---	39.0	23.5	25.0	---
Hexachloro-1,3-butadiene	37	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
Iodomethane	NL	< 5.6	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
Isopropylbenzene (Cumene)	87	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	1.03	---
m&p-Xylene	NL	26.8	39.9	---	0.225	---	81.6	55.6	59.2	---
Methyl-tert-butyl ether	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Methylene Chloride	158	< 2.3	<2.12	---	<0.0041	---	<1.13	<5.37	<2.17	---
n-Butylbenzene	92	5.06	1.85	---	0.0136	---	8.09	11.5	13.5	---
n-Propylbenzene	93	< 2.3	<0.529	---	0.00340	---	<1.13	1.61	1.79	---
Naphthalene	28	2.40	<2.12	---	0.0132	---	4.47	5.61	5.69	---
o-Xylene	NL	10.4	15.5	---	0.170	---	33.2	32.9	35.0	---
p-Isopropyltoluene	NL	< 2.3	<0.529	---	0.00570	---	3.26	5.36	6.16	---
sec-Butylbenzene	70	< 2.3	<0.529	---	0.00470	---	<1.13	<1.34	3.28	---
Styrene	600	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
tert-Butylbenzene	90	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
Tetrachloroethene	131	< 2.3	1.63	---	<0.0016	---	<1.13	<1.34	<0.543	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B1-19	B1-19	B2-1	B2-1	B2-2	B2-2	B2-2	B2-2	B2-3
	Layer:	1	1	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SB SPB19 0 0035	OKMN-SB-B19C-0-0030	OKMN SBC SPB01 0 0040	OKMN SBC SPB01 0 0065	OKMN SBC SPB02 0 0040	OKMN SBC SPB02 0 0065	OKMN-SB-B02C-0-0060	OKMN-SB-B02C-DB-0060	OKMN SBC SPB03 0 0040
	Sample Location:	SPB19	B19C	SPB01	SPB01	SPB02	SPB02	B02C	B02C	SPB03
	Sample Type:	Grab	Grab	Composite	Grab	Composite	Grab	Grab	Grab (Duplicate)	Composite
	Sample Depth:	3.5 ft bgs	3.0 ft bgs	4 - 8 ft bgs	6.5 ft bgs	4 - 8 ft bgs	6.5 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs
	Sample Date:	18-Jun-09	22-Jul-10	17-Jun-09	17-Jun-09	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	17-Jun-09
Tetrahydrofuran	NL	< 22.5	<5.29	---	<0.0164	---	<11.3	<13.4	<5.43	---
Toluene	305	72.5	74.7	---	0.0442	---	258	206	181	---
trans-1,2-Dichloroethene	33	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
trans-1,3-Dichloropropene	NL	< 2.3	<0.529	---	<0.0016	---	<1.13	<1.34	<0.543	---
trans-1,4-Dichloro-2-butene	NL	< 5.6	<5.29	---	<0.0205	---	<2.82	<13.4	<5.43	---
Trichloroethene	46	8.69	2.44	---	<0.0016	---	3.62	4.03	3.56	---
Trichlorofluoromethane	195	< 2.3	<0.529	---	<0.0041	---	<1.13	<1.34	<0.543	---
Vinyl acetate	NL	< 2.3	<5.29	---	<0.0041	---	<1.13	<13.4	<5.43	---
Vinyl chloride	2.2	< 0.56	<0.212	---	<0.0016	---	<0.282	<0.537	<0.217	---
Xylene (Total)	130	37.2	55.4	---	0.395	---	115	88.5	94.2	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
PCB-1221 (Aroclor 1221)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
PCB-1232 (Aroclor 1232)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
PCB-1242 (Aroclor 1242)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
PCB-1248 (Aroclor 1248)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
PCB-1254 (Aroclor 1254)	NL	---	---	10.8	---	9.82	---	---	---	11.9
PCB-1260 (Aroclor 1260)	NL	---	---	2.02	---	<0.38	---	---	---	4.07
PCB-1262 (Aroclor 1262)	NL	---	---	<0.191	---	13.1	---	---	---	<0.191
PCB-1268 (Aroclor 1268)	NL	---	---	<0.191	---	<0.38	---	---	---	<0.191
Total PCBs	50	---	---	12.8	---	22.9	---	---	---	16.0
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	<0.025
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	---	0.0515
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	---	<0.025
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	---	<0.1
Benzene, TCLP	0.5	---	---	---	---	---	---	---	---	<0.025
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	---	<0.025
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	---	<0.025
Chloroform, TCLP	6	---	---	---	---	---	---	---	---	<0.025
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	---	<0.025
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	---	0.13
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	---	<0.01
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	<0.025
Barium, TCLP	100	---	---	---	---	---	---	---	---	0.69
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	<0.0025
Chromium, TCLP	5	---	---	---	---	---	---	---	---	<0.025
Lead, TCLP	5	---	---	---	---	---	---	---	---	0.044
Selenium, TCLP	1	---	---	---	---	---	---	---	---	<0.038
Silver, TCLP	5	---	---	---	---	---	---	---	---	<0.025
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	<0.0004
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	<0.012
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	<6.9
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	>210
Percent Moisture (%)										
Percent Moisture	NL	9.7	6.8	10.9	13.1	10.8	11.3	10.0	10.4	10.8

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-3 / B2-11	B2-3	B2-3	B2-3	B2-3 / B2-11	B2-3	B2-3	B2-4	B2-4
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B03C-0-0040	OKMN-SBC-B03RC-0-0040	OKMN-SBC-B03RC-DB-0040	OKMN SB SPB03 0 0060	OKMN-SB-B03C-0-0060	OKMN-SB-B03RC-0-0060	OKMN-SB-B03RC-0-0060	OKMN SBC SPB04 0 0040	OKMN-SBC-B04RC-0-0040
	Sample Location:	B03C[a]	B03RC	B03RC	SPB03	B03C[a]	B03RC	B03RC	SPB04	B04RC
	Sample Type:	Composite	Composite	Composite (Duplicate)	Grab	Grab	Grab	Grab (Duplicate)	Composite	Composite
	Sample Depth:	4 - 8 ft bgs	4 - 9 ft bgs	4 - 9 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs
	Sample Date:	22-Jul-10	16-Nov-10	16-Nov-10	17-Jun-09	22-Jul-10	16-Nov-10	16-Nov-10	17-Jun-09	16-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,1-Dichloroethene	60	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,1-Dichloropropene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,1,1-Trichloroethane	472	---	---	---	<5.92	1.71	0.995	1.00	---	---
1,1,1,2-Tetrachloroethane	51	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,1,2-Trichloroethane	14	---	---	---	<5.92	12.2	< 0.58	< 0.548	---	---
1,1,2-Trichlorotrifluoroethane	5430	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,1,2,2-Tetrachloroethane	6.5	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2-Dibromo-3-chloropropane	NL	---	---	---	<5.92	<2.20	< 0.58	< 0.548	---	---
1,2-Dibromoethane (EDB)	0.5	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2-Dichlorobenzene	75	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2-Dichloroethane	6	---	---	---	<5.92	**10.2**	**22.3**	**24.7**	---	---
1,2-Dichloroethene (Total)	NL	---	---	---	<11.8	<1.10	< 2.32	< 2.19	---	---
1,2-Dichloropropane	6	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2,3-Trichlorobenzene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2,3-Trichloropropane	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,2,4-Trichlorobenzene	985	---	---	---	<5.92	<0.549	< 1.16	< 1.1	---	---
1,2,4-Trimethylbenzene	25	---	---	---	**98.9**	**90.2**	< 0.58	< 0.548	---	---
1,3-Dichlorobenzene	200	---	---	---	<5.92	<0.549	6.17	6.66	---	---
1,3-Dichloropropane	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
1,3,5-Trimethylbenzene	10	---	---	---	**21.8**	**22.3**	< 0.58	< 0.548	---	---
1,4-Dichlorobenzene	50	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
2-Butanone (MEK)	19000	---	---	---	<14.8	22.8	< 2.32	< 2.19	---	---
2-Chloroethylvinyl ether	NL	---	---	---	<14.8	<5.5	< 5.8	< 5.48	---	---
2-Chlorotoluene	436	---	---	---	<5.92	<0.549	< 5.8	< 5.48	---	---
2-Hexanone	NL	---	---	---	<14.8	<5.49	< 0.58	< 0.548	---	---
2-Methylnaphthalene	369	---	---	---	<5.92	4.35	< 5.8	< 5.48	---	---
2,2-Dichloropropane	NL	---	---	---	<5.92	<2.20	< 2.9	< 2.74	---	---
4-Chlorotoluene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
4-Methyl-2-pentanone (MIBK)	9000	---	---	---	<14.8	112	< 5.8	< 5.48	---	---
Acetone	1000	---	---	---	<14.8	5.61	< 5.8	< 5.48	---	---
Acrolein	NL	---	---	---	<59.2	<5.49	< 5.8	< 5.48	---	---
Acrylonitrile	NL	---	---	---	<59.2	<5.49	< 5.8	< 5.48	---	---
Allyl chloride	NL	---	---	---	<5.92	<2.20	< 2.32	< 2.19	---	---
Benzene	10	---	---	---	6.78	4.82	< 0.232	< 0.219	---	---
Bromobenzene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Bromochloromethane	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Bromodichloromethane	17	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Bromoform	650	---	---	---	<11.8	<4.39	< 4.64	< 4.38	---	---
Bromomethane	2	---	---	---	<14.8	<5.49	< 5.8	< 5.48	---	---
Carbon disulfide	190	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Carbon tetrachloride	0.9	---	---	---	<5.92	<2.20	< 2.32	< 2.19	---	---
Chlorobenzene	32	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Chloroethane	3000	---	---	---	<5.92	<5.49	< 5.8	< 5.48	---	---
Chloroform	4	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Chloromethane	23	---	---	---	<5.92	<2.20	< 2.32	< 2.19	---	---
cis-1,2-Dichloroethene	22	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
cis-1,3-Dichloropropene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Cyclohexane	NL	---	---	---	55.7	19.1	< 2.32	< 2.19	---	---
Dibromochloromethane	20	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Dibromomethane	1860	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Dichlorodifluoromethane	50	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Dichlorofluoromethane	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Diethyl ether (Ethyl ether)	NL	---	---	---	<14.8	<2.20	< 2.32	< 2.19	---	---
Diisopropyl ether	NL	---	---	---	<5.92	4.33	< 2.32	< 2.19	---	---
Ethylbenzene	200	---	---	---	**261**	**278**	29.1	26.6	---	---
Hexachloro-1,3-butadiene	37	---	---	---	<5.92	<2.20	< 2.32	< 2.19	---	---
Iodomethane	NL	---	---	---	<5.92	<2.20	< 2.32	< 2.19	---	---
Isopropylbenzene (Cumene)	87	---	---	---	<5.92	8.36	0.951	0.959	---	---
m&p-Xylene	NL	---	---	---	564	579	75.7	73.5	---	---
Methyl-tert-butyl ether	NL	---	---	---	<5.92	<0.549	< 2.32	< 2.19	---	---
Methylene Chloride	158	---	---	---	<5.92	<2.20	< 0.58	< 0.548	---	---
n-Butylbenzene	92	---	---	---	26.4	29.1	9.31	6.96	---	---
n-Propylbenzene	93	---	---	---	<5.92	9.50	7.94	7.99	---	---
Naphthalene	28	---	---	---	26.3	**30.9**	2.04	1.65	---	---
o-Xylene	NL	---	---	---	216	215	42.2	42.0	---	---
p-Isopropyltoluene	NL	---	---	---	<5.92	7.28	< 0.58	< 0.548	---	---
sec-Butylbenzene	70	---	---	---	<5.92	5.43	1.89	1.87	---	---
Styrene	600	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
tert-Butylbenzene	90	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Tetrachloroethene	131	---	---	---	<5.92	6.10	< 0.58	< 0.548	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-3 / B2-11	B2-3	B2-3	B2-3	B2-3 / B2-11	B2-3	B2-3	B2-4	B2-4
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B03C-0-0040	OKMN-SBC-B03RC-0-0040	OKMN-SBC-B03RC-DB-0040	OKMN SB SPB03 0 0060	OKMN-SB-B03C-0-0060	OKMN-SB-B03RC-0-0060	OKMN-SB-B03RC-0-0060	OKMN SBC SPB04 0 0040	OKMN-SBC-B04RC-0-0040
	Sample Location:	B03C[a]	B03RC	B03RC	SPB03	B03C[a]	B03RC	B03RC	SPB04	B04RC
	Sample Type:	Composite	Composite	Composite (Duplicate)	Grab	Grab	Grab	Grab (Duplicate)	Composite	Composite
	Sample Depth:	4 - 8 ft bgs	4 - 9 ft bgs	4 - 9 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs
	Sample Date:	22-Jul-10	16-Nov-10	16-Nov-10	17-Jun-09	22-Jul-10	16-Nov-10	16-Nov-10	17-Jun-09	16-Nov-10
Tetrahydrofuran	NL	---	---	---	<59.2	<5.49	< 5.8	< 5.48	---	---
Toluene	305	---	---	---	107	**1790**	66.2	58.2	---	---
trans-1,2-Dichloroethene	33	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
trans-1,3-Dichloropropene	NL	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
trans-1,4-Dichloro-2-butene	NL	---	---	---	<14.8	<5.49	< 5.8	< 5.48	---	---
Trichloroethene	46	---	---	---	20.7	17.6	< 0.58	< 0.548	---	---
Trichlorofluoromethane	195	---	---	---	<5.92	<0.549	< 0.58	< 0.548	---	---
Vinyl acetate	NL	---	---	---	<5.92	<5.49	< 5.8	< 5.48	---	---
Vinyl chloride	2.2	---	---	---	<1.48	<0.220	< 0.232	< 0.219	---	---
Xylene (Total)	130	---	---	---	**780**	**794**	118	115	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	<0.037	---	---	---	---	---	---	<0.369	---
PCB-1221 (Aroclor 1221)	NL	<0.037	---	---	---	---	---	---	<0.369	---
PCB-1232 (Aroclor 1232)	NL	1.29	---	---	---	---	---	---	<0.369	---
PCB-1242 (Aroclor 1242)	NL	<0.037	---	---	---	---	---	---	<0.369	---
PCB-1248 (Aroclor 1248)	NL	<0.037	---	---	---	---	---	---	<0.369	---
PCB-1254 (Aroclor 1254)	NL	13.3	---	---	---	---	---	---	21.4	---
PCB-1260 (Aroclor 1260)	NL	6.09	---	---	---	---	---	---	4.92	---
PCB-1262 (Aroclor 1262)	NL	<0.037	---	---	---	---	---	---	<0.369	---
PCB-1268 (Aroclor 1268)	NL	<0.037	---	---	---	---	---	---	<0.369	---
Total PCBs	50	20.7	---	---	---	---	---	---	26.3	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
1,2-Dichloroethane, TCLP	0.5	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
1,4-Dichlorobenzene, TCLP	7.5	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
2-Butanone (MEK), TCLP	200	---	< 0.2	< 0.2	---	---	---	---	---	< 0.2
Benzene, TCLP	0.5	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
Carbon tetrachloride, TCLP	0.5	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
Chlorobenzene, TCLP	100	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
Chloroform, TCLP	6	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
Tetrachloroethene, TCLP	0.7	---	< 0.05	< 0.05	---	---	---	---	---	< 0.05
Trichloroethene, TCLP	0.5	---	0.056	< 0.05	---	---	---	---	---	< 0.05
Vinyl chloride, TCLP	0.2	---	< 0.02	< 0.02	---	---	---	---	---	< 0.02
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Barium, TCLP	100	---	---	---	---	---	---	---	---	0.3
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	0.01
Chromium, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Lead, TCLP	5	---	---	---	---	---	---	---	---	0.035
Selenium, TCLP	1	---	---	---	---	---	---	---	---	< 0.075
Silver, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	< 0.0002
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	< 0.025
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	< 100
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	>210
Percent Moisture (%)										
Percent Moisture	NL	10.9	---	---	11.7	11.3	11.6	12	8.9	12.4

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-4	B2-4	B2-5	B2-5	B2-5	B2-5	B2-6	B2-6	B2-6
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SBC SPB04 0 0065	OKMN-SB-B04RC-0-0080	OKMN SBC SPB05 0 0040	OKMN SBC SPB05 0 0065	OKMN-SB-B04C-0-0060	OKMN-SB-B04C-DB-0060	OKMN SBC SPB06 0 0040	OKMN-SBC-B06C-0-0040	OKMN-SBC-B06RC-0-0040
	Sample Location:	SPB04	B04RC	SPB05	SPB05	B04C	B04C	SPB06	B06C	B06RC
	Sample Type:	Grab	Grab	Composite	Grab	Grab	Grab (Duplicate)	Composite	Composite	Composite
	Sample Depth:	6.5 ft bgs	8.0 ft bgs	4 - 8 ft bgs	6.5 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs
	Sample Date:	17-Jun-09	16-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	17-Jun-09	22-Jul-10	16-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	2.47	< 0.234	---	<0.106	<0.585	1.00	---	---	---
1,1-Dichloroethene	60	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,1-Dichloropropene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,1,1-Trichloroethane	472	9.82	0.325	---	<0.106	<0.585	<0.525	---	---	---
1,1,1,2-Tetrachloroethane	51	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,1,2-Trichloroethane	14	**20.7**	4.06	---	0.742	7.40	**33.7**	---	---	---
1,1,2-Trichlorotrifluoroethane	5430	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,1,2,2-Tetrachloroethane	6.5	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2-Dibromo-3-chloropropane	NL	7.36	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
1,2-Dibromoethane (EDB)	0.5	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2-Dichlorobenzene	75	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2-Dichloroethane	6	**43.0**	2.95	---	0.843	**7.00**	**35.2**	---	---	---
1,2-Dichloroethene (Total)	NL	<1.11	< 0.467	---	<0.211	<1.17	1.77	---	---	---
1,2-Dichloropropane	6	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2,3-Trichlorobenzene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2,3-Trichloropropane	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2,4-Trichlorobenzene	985	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,2,4-Trimethylbenzene	25	**130**	**68.6**	---	22.1	**76.7**	**254**	---	---	---
1,3-Dichlorobenzene	200	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,3-Dichloropropane	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
1,3,5-Trimethylbenzene	10	**40.3**	**15.5**	---	4.46	**18.4**	**68.5**	---	---	---
1,4-Dichlorobenzene	50	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
2-Butanone (MEK)	19000	53.2	< 2.34	---	26.7	<5.85	8.13	---	---	---
2-Chloroethylvinyl ether	NL	<1.39	< 2.34	---	<0.264	<5.9	<5.3	---	---	---
2-Chlorotoluene	436	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
2-Hexanone	NL	<1.39	< 2.34	---	<0.264	<5.85	<5.25	---	---	---
2-Methylnaphthalene	369	6.12	1.93	---	0.290	<2.92	8.91	---	---	---
2,2-Dichloropropane	NL	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
4-Chlorotoluene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
4-Methyl-2-pentanone (MIBK)	9000	140	11.4	---	29.0	35.5	<263	---	---	---
Acetone	1000	7.65	< 2.34	---	11.8	<5.85	<5.25	---	---	---
Acrolein	NL	<5.55	< 2.34	---	<1.06	<5.85	<5.25	---	---	---
Acrylonitrile	NL	<5.55	< 2.34	---	<1.06	<5.85	<5.25	---	---	---
Allyl chloride	NL	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
Benzene	10	**16.8**	0.768	---	0.560	3.26	**16.1**	---	---	---
Bromobenzene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Bromochloromethane	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Bromodichloromethane	17	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Bromoform	650	<1.11	< 1.87	---	<0.211	<4.68	<4.20	---	---	---
Bromomethane	2	<1.39	< 2.34	---	<0.264	<5.85	<5.25	---	---	---
Carbon disulfide	190	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Carbon tetrachloride	0.9	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
Chlorobenzene	32	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Chloroethane	3000	<0.555	< 2.34	---	<0.106	<5.85	<5.25	---	---	---
Chloroform	4	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Chloromethane	23	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
cis-1,2-Dichloroethene	22	<0.555	< 0.234	---	0.221	<0.585	1.77	---	---	---
cis-1,3-Dichloropropene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Cyclohexane	NL	55.8	2.45	---	21.2	38.0	111	---	---	---
Dibromochloromethane	20	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Dibromomethane	1860	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Dichlorodifluoromethane	50	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Dichlorofluoromethane	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Diethyl ether (Ethyl ether)	NL	<1.39	< 0.934	---	<0.264	<2.34	<2.10	---	---	---
Diisopropyl ether	NL	35.4	< 0.934	---	1.76	5.88	29.5	---	---	---
Ethylbenzene	200	**354**	110	---	39.4	**209**	**767**	---	---	---
Hexachloro-1,3-butadiene	37	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
Iodomethane	NL	<0.555	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
Isopropylbenzene (Cumene)	87	13.8	5.67	---	1.10	5.71	23.8	---	---	---
m&p-Xylene	NL	737	393	---	80.3	407	1560	---	---	---
Methyl-tert-butyl ether	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Methylene Chloride	158	5.46	< 0.934	---	<0.106	<2.34	<2.10	---	---	---
n-Butylbenzene	92	58.7	20.1	---	8.25	24.6	89.3	---	---	---
n-Propylbenzene	93	17.0	5.59	---	1.81	7.51	28.7	---	---	---
Naphthalene	28	**56.6**	16.4	---	3.01	19.8	**75.3**	---	---	---
o-Xylene	NL	284	164	---	30.5	166	603	---	---	---
p-Isopropyltoluene	NL	12.2	4.97	---	3.34	7.39	25.3	---	---	---
sec-Butylbenzene	70	9.44	3.62	---	2.22	5.03	18.7	---	---	---
Styrene	600	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
tert-Butylbenzene	90	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Tetrachloroethene	131	9.28	1.81	---	0.383	3.36	14.1	---	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-4	B2-4	B2-5	B2-5	B2-5	B2-5	B2-6	B2-6	B2-6
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SBC SPB04 0 0065	OKMN-SB-B04RC-0-0080	OKMN SBC SPB05 0 0040	OKMN SBC SPB05 0 0065	OKMN-SB-B04C-0-0060	OKMN-SB-B04C-DB-0060	OKMN SBC SPB06 0 0040	OKMN-SBC-B06C-0-0040	OKMN-SBC-B06RC-0-0040
	Sample Location:	SPB04	B04RC	SPB05	SPB05	B04C	B04C	SPB06	B06C	B06RC
	Sample Type:	Grab	Grab	Composite	Grab	Grab	Grab (Duplicate)	Composite	Composite	Composite
	Sample Depth:	6.5 ft bgs	8.0 ft bgs	4 - 8 ft bgs	6.5 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs
	Sample Date:	17-Jun-09	16-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	17-Jun-09	22-Jul-10	16-Nov-10
Tetrahydrofuran	NL	<5.55	< 2.34	---	<1.06	<5.85	<5.25	---	---	---
Toluene	305	**2150**	**417**	---	275	**1210**	**4160**	---	---	---
trans-1,2-Dichloroethene	33	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
trans-1,3-Dichloropropene	NL	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
trans-1,4-Dichloro-2-butene	NL	<1.39	< 2.34	---	<0.264	<5.85	<5.25	---	---	---
Trichloroethene	46	**52.7**	7.31	---	2.48	23.9	**98.2**	---	---	---
Trichlorofluoromethane	195	<0.555	< 0.234	---	<0.106	<0.585	<0.525	---	---	---
Vinyl acetate	NL	<0.555	< 2.34	---	<0.106	<5.85	<5.25	---	---	---
Vinyl chloride	2.2	<0.139	< 0.0934	---	<0.0264	<0.234	<0.210	---	---	---
Xylene (Total)	130	**1020**	**557**	---	111	**573**	**2160**	---	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	<0.192	---	---	---	<0.784	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	<0.192	---	---	---	<0.784	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	<0.192	---	---	---	<0.784	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	<0.192	---	---	---	<0.784	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	<0.192	---	---	---	<0.784	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	10.1	---	---	---	37.2	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	<0.192	---	---	---	5.70	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	8.11	---	---	---	<0.784	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	<0.192	---	---	---	<0.784	---	---
Total PCBs	50	---	---	18.2	---	---	---	42.9	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	---	---	<0.0500	< 0.05
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	---	---	0.495	0.0861
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	---	---	<0.0500	< 0.05
2-Butanone (MEK), TCLP	200	---	---	---	---	---	---	---	0.356	0.759
Benzene, TCLP	0.5	---	---	---	---	---	---	---	0.0896	< 0.05
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	---	---	<0.0500	< 0.05
Chlorobenzene, TCLP	100	---	---	---	---	---	---	---	<0.0500	< 0.05
Chloroform, TCLP	6	---	---	---	---	---	---	---	<0.0500	< 0.05
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	---	---	0.189	0.069
Trichloroethene, TCLP	0.5	---	---	---	---	---	---	---	**1.23**	0.177
Vinyl chloride, TCLP	0.2	---	---	---	---	---	---	---	<0.0200	< 0.02
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Barium, TCLP	100	---	---	---	---	---	---	---	---	0.39
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	0.0065
Chromium, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Lead, TCLP	5	---	---	---	---	---	---	---	---	0.11
Selenium, TCLP	1	---	---	---	---	---	---	---	---	< 0.075
Silver, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	< 0.0002
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	< 0.025
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	< 100
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	>210
Percent Moisture (%)										
Percent Moisture	NL	12.4	11.3	11.6	11.3	9.7	11.4	13.3	---	11.2

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-6	B2-6	B2-6	B2-7	B2-7	B2-8	B2-8	B2-9	B2-9
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SBC SPB06 0 0060	OKMN-SB-B06C-0-0055	OKMN-SB-B06RC-0-0080	OKMN SBC SPB07 0 0040	OKMN SB SPB07 0 0060	OKMN SB SPB08 0 0040	OKMN SB SPB08 0 0070	OKMN SBC SPB09 0 0040	OKMN SB SPB09 0 0055
	Sample Location:	SPB06	B06C	B06RC	SPB07	SPB07	SPB08	SPB08	SPB09	SPB09
	Sample Type:	Grab	Grab	Grab	Composite	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	6.0 ft bgs	5.5 ft bgs	8.0 ft bgs	4 - 8 ft bgs	6.0 ft bgs	4 - 8 ft bgs	7.0 ft bgs	4 - 8 ft bgs	5.5 ft bgs
	Sample Date:	17-Jun-09	22-Jul-10	16-Nov-10	18-Jun-09	18-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	0.711	<1.16	0.515	---	< 0.23	---	<0.59	---	< 5.4
1,1-Dichloroethene	60	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,1-Dichloropropene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,1,1-Trichloroethane	472	0.565	<1.16	0.296	---	< 0.23	---	<0.59	---	< 5.4
1,1,1,2-Tetrachloroethane	51	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,1,2-Trichloroethane	14	1.24	<1.16	2.97	---	< 0.23	---	<0.59	---	< 5.4
1,1,2-Trichlorotrifluoroethane	5430	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,1,2,2-Tetrachloroethane	6.5	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	**8.67**
1,2-Dibromo-3-chloropropane	NL	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
1,2-Dibromoethane (EDB)	0.5	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2-Dichlorobenzene	75	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2-Dichloroethane	6	**7.31**	**6.24**	**7.25**	---	2.00	---	<0.59	---	< 5.4
1,2-Dichloroethene (Total)	NL	0.728	<2.32	0.536	---	< 0.47	---	<1.18	---	< 10.7
1,2-Dichloropropane	6	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2,3-Trichlorobenzene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2,3-Trichloropropane	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2,4-Trichlorobenzene	985	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,2,4-Trimethylbenzene	25	**55.8**	16.8	**54.7**	---	0.350	---	16.5	---	**195**
1,3-Dichlorobenzene	200	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,3-Dichloropropane	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
1,3,5-Trimethylbenzene	10	**11.5**	3.98	**12.1**	---	< 0.23	---	3.47	---	**38.9**
1,4-Dichlorobenzene	50	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
2-Butanone (MEK)	19000	3.92	45.6	17.9	---	50.5	---	<1.48	---	< 13.4
2-Chloroethylvinyl ether	NL	<0.297	<11.6	< 2.33	---	< 2.9	---	<1.48	---	< 66.9
2-Chlorotoluene	436	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
2-Hexanone	NL	<0.297	<11.6	< 2.33	---	< 0.59	---	<1.48	---	< 13.4
2-Methylnaphthalene	369	1.13	7.33	3.42	---	< 0.23	---	<0.59	---	< 5.4
2,2-Dichloropropane	NL	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
4-Chlorotoluene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
4-Methyl-2-pentanone (MIBK)	9000	<14.8	29.0	43.4	---	15.1	---	6.83	---	15.1
Acetone	1000	2.78	20.0	6.2	---	39.1	---	<1.48	---	< 13.4
Acrolein	NL	<1.19	<11.6	< 2.33	---	< 2.3	---	<5.9	---	< 53.6
Acrylonitrile	NL	<1.19	<11.6	< 2.33	---	< 2.3	---	<5.9	---	< 53.6
Allyl chloride	NL	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
Benzene	10	1.68	0.855	1.59	---	0.0790	---	0.516	---	4.19
Bromobenzene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Bromochloromethane	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Bromodichloromethane	17	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Bromoform	650	<0.237	<9.27	< 1.86	---	< 1.2	---	<1.18	---	< 26.8
Bromomethane	2	<0.297	<11.6	< 2.33	---	< 0.59	---	<1.48	---	< 13.4
Carbon disulfide	190	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Carbon tetrachloride	0.9	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
Chlorobenzene	32	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Chloroethane	3000	<0.119	<11.6	< 2.33	---	< 0.59	---	<0.59	---	< 13.4
Chloroform	4	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Chloromethane	23	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
cis-1,2-Dichloroethene	22	0.728	<1.16	0.536	---	< 0.23	---	<0.59	---	< 5.4
cis-1,3-Dichloropropene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Cyclohexane	NL	48.2	16.9	25.3	---	0.340	---	24.1	---	309
Dibromochloromethane	20	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Dibromomethane	1860	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Dichlorodifluoromethane	50	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Dichlorofluoromethane	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Diethyl ether (Ethyl ether)	NL	<0.297	<4.64	< 0.93	---	< 0.59	---	<1.48	---	< 13.4
Diisopropyl ether	NL	24.8	16.7	14.5	---	5.95	---	1.23	---	< 5.4
Ethylbenzene	200	112	28.0	109.0	---	0.946	---	23.0	---	134
Hexachloro-1,3-butadiene	37	<0.119	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
Iodomethane	NL	<0.119	<4.64	< 0.93	---	< 0.59	---	<0.59	---	< 13.4
Isopropylbenzene (Cumene)	87	2.81	<1.16	3.52	---	< 0.23	---	<0.59	---	6.19
m&p-Xylene	NL	222	66.3	247	---	1.89	---	44.3	---	249
Methyl-tert-butyl ether	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Methylene Chloride	158	0.372	<4.64	< 0.93	---	< 0.23	---	<0.59	---	< 5.4
n-Butylbenzene	92	17.9	5.84	18.8	---	< 0.23	---	5.14	---	59.9
n-Propylbenzene	93	4.41	1.27	4.45	---	< 0.23	---	1.24	---	14.0
Naphthalene	28	10.2	6.05	17.1	---	< 0.23	---	1.71	---	15.5
o-Xylene	NL	88.9	27.4	97.2	---	0.798	---	18.2	---	102
p-Isopropyltoluene	NL	7.21	<1.16	4.67	---	< 0.23	---	2.47	---	29.7
sec-Butylbenzene	70	4.90	<1.16	3.28	---	< 0.23	---	1.71	---	21.2
Styrene	600	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
tert-Butylbenzene	90	0.309	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Tetrachloroethene	131	13.7	3.71	4.33	---	< 0.23	---	<0.59	---	< 5.4

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-6	B2-6	B2-6	B2-7	B2-7	B2-8	B2-8	B2-9	B2-9
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SBC SPB06 0 0060	OKMN-SB-B06C-0-0055	OKMN-SB-B06RC-0-0080	OKMN SBC SPB07 0 0040	OKMN SB SPB07 0 0060	OKMN SB SPB08 0 0040	OKMN SB SPB08 0 0070	OKMN SBC SPB09 0 0040	OKMN SB SPB09 0 0055
	Sample Location:	SPB06	B06C	B06RC	SPB07	SPB07	SPB08	SPB08	SPB09	SPB09
	Sample Type:	Grab	Grab	Grab	Composite	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	6.0 ft bgs	5.5 ft bgs	8.0 ft bgs	4 - 8 ft bgs	6.0 ft bgs	4 - 8 ft bgs	7.0 ft bgs	4 - 8 ft bgs	5.5 ft bgs
	Sample Date:	17-Jun-09	22-Jul-10	16-Nov-10	18-Jun-09	18-Jun-09	17-Jun-09	17-Jun-09	18-Jun-09	18-Jun-09
Tetrahydrofuran	NL	<1.19	<11.6	< 2.33	---	< 2.3	---	<5.9	---	< 53.6
Toluene	305	**608**	194	**543**	---	9.52	---	183	---	139
trans-1,2-Dichloroethene	33	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
trans-1,3-Dichloropropene	NL	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
trans-1,4-Dichloro-2-butene	NL	<0.297	<11.6	< 2.33	---	< 0.59	---	<1.48	---	< 13.4
Trichloroethene	46	15.5	7.89	15.1	---	0.321	---	<0.59	---	< 5.4
Trichlorofluoromethane	195	<0.119	<1.16	< 0.233	---	< 0.23	---	<0.59	---	< 5.4
Vinyl acetate	NL	<0.119	<11.6	< 2.33	---	< 0.23	---	<0.59	---	< 5.4
Vinyl chloride	2.2	<0.0297	<0.464	< 0.093	---	< 0.059	---	<0.148	---	< 1.3
Xylene (Total)	130	**311**	93.7	**344**	---	2.69	---	62.5	---	**351**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1221 (Aroclor 1221)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1232 (Aroclor 1232)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1242 (Aroclor 1242)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1248 (Aroclor 1248)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1254 (Aroclor 1254)	NL	---	---	---	2.17	---	0.166	---	1.65	---
PCB-1260 (Aroclor 1260)	NL	---	---	---	0.948	---	0.100	---	0.684	---
PCB-1262 (Aroclor 1262)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
PCB-1268 (Aroclor 1268)	NL	---	---	---	< 0.073	---	<0.0195	---	< 0.075	---
Total PCBs	50	---	---	---	3.12	---	0.266	---	2.33	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	<0.025	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	<0.025	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	<0.025	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	<0.1	---	---	---
Benzene, TCLP	0.5	---	---	---	---	---	<0.025	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	<0.025	---	---	---
Chlorobenzene, TCLP	100	---	---	---	---	---	<0.025	---	---	---
Chloroform, TCLP	6	---	---	---	---	---	<0.025	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	<0.025	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	<0.025	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	<0.01	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	<0.025	---	---	---
Barium, TCLP	100	---	---	---	---	---	0.7	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	<0.0025	---	---	---
Chromium, TCLP	5	---	---	---	---	---	<0.025	---	---	---
Lead, TCLP	5	---	---	---	---	---	0.051	---	---	---
Selenium, TCLP	1	---	---	---	---	---	<0.038	---	---	---
Silver, TCLP	5	---	---	---	---	---	<0.025	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	<0.0004	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	<0.012	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	<6.9	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	>210	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	10.7	10.4	11.2	9.3	10.8	13.0	10.2	12.5	11.1

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-9	B2-10	B2-10	B2-10	B2-10	B2-10	B2-11	B2-11	B2-11
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SB-B09C-0-0060	OKMN SBC SPB10 0 0040	OKMN-SBC-B10RC-0-0040	OKMN-SBC-B10RC-DB-0040	OKMN SB SPB10 0 0055	OKMN-SB-B10RC-0-0070	OKMN SBC SPB11 0 0040	OKMN SBC SPB23 0 0040	OKMN-SBC-B11C-0-0040
	Sample Location:	B09C	SPB10	B10RC	B10RC	SPB10	B10RC	SPB11	SPB23	B11C
	Sample Type:	Grab	Composite	Composite	Composite (Duplicate)	Grab	Grab	Composite	Composite	Composite
	Sample Depth:	6.0 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	4 - 9 ft bgs	5.5 ft bgs	7.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs
	Sample Date:	22-Jul-10	18-Jun-09	15-Nov-10	15-Nov-10	18-Jun-09	15-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,1-Dichloroethene	60	<0.594	---	---	---	< 5.6	23.7	---	---	---
1,1-Dichloropropene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,1,1-Trichloroethane	472	<0.594	---	---	---	7.54	24.5	---	---	---
1,1,1,2-Tetrachloroethane	51	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,1,2-Trichloroethane	14	<0.594	---	---	---	10.5	2.20	---	---	---
1,1,2-Trichlorotrifluoroethane	5430	<0.594	---	---	---	< 5.6	0.428	---	---	---
1,1,2,2-Tetrachloroethane	6.5	3.78	---	---	---	< 5.6	< 0.242	---	---	---
1,2-Dibromo-3-chloropropane	NL	<2.37	---	---	---	< 5.6	< 0.242	---	---	---
1,2-Dibromoethane (EDB)	0.5	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,2-Dichlorobenzene	75	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,2-Dichloroethane	6	<0.594	---	---	---	**12.1**	**209**	---	---	---
1,2-Dichloroethene (Total)	NL	<1.19	---	---	---	< 11.3	< 0.966	---	---	---
1,2-Dichloropropane	6	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,2,3-Trichlorobenzene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,2,3-Trichloropropane	NL	0.882	---	---	---	< 5.6	26.9	---	---	---
1,2,4-Trichlorobenzene	985	<0.594	---	---	---	< 5.6	0.915	---	---	---
1,2,4-Trimethylbenzene	25	10.7	---	---	---	**68.5**	< 0.242	---	---	---
1,3-Dichlorobenzene	200	<0.594	---	---	---	< 5.6	36.3	---	---	---
1,3-Dichloropropane	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
1,3,5-Trimethylbenzene	10	2.53	---	---	---	**15.0**	< 0.242	---	---	---
1,4-Dichlorobenzene	50	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
2-Butanone (MEK)	19000	<5.94	---	---	---	25.8	< 0.966	---	---	---
2-Chloroethylvinyl ether	NL	<5.9	---	---	---	< 70.4	24.3	---	---	---
2-Chlorotoluene	436	<0.594	---	---	---	< 5.6	< 2.42	---	---	---
2-Hexanone	NL	<5.94	---	---	---	< 14.1	< 0.242	---	---	---
2-Methylnaphthalene	369	<2.97	---	---	---	< 5.6	< 2.42	---	---	---
2,2-Dichloropropane	NL	<2.37	---	---	---	< 5.6	10.8	---	---	---
4-Chlorotoluene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
4-Methyl-2-pentanone (MIBK)	9000	<5.94	---	---	---	58.4	219	---	---	---
Acetone	1000	<5.94	---	---	---	< 14.1	3.81	---	---	---
Acrolein	NL	<5.94	---	---	---	< 56.3	< 2.42	---	---	---
Acrylonitrile	NL	<5.94	---	---	---	< 56.3	< 2.42	---	---	---
Allyl chloride	NL	<2.37	---	---	---	< 5.6	< 0.966	---	---	---
Benzene	10	0.245	---	---	---	6.68	**16.3**	---	---	---
Bromobenzene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Bromochloromethane	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Bromodichloromethane	17	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Bromoform	650	<4.75	---	---	---	< 28.1	< 1.93	---	---	---
Bromomethane	2	<5.94	---	---	---	< 14.1	< 2.42	---	---	---
Carbon disulfide	190	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Carbon tetrachloride	0.9	<2.37	---	---	---	< 5.6	< 0.966	---	---	---
Chlorobenzene	32	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Chloroethane	3000	<5.94	---	---	---	< 14.1	< 2.42	---	---	---
Chloroform	4	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Chloromethane	23	<2.37	---	---	---	< 5.6	< 0.966	---	---	---
cis-1,2-Dichloroethene	22	<0.594	---	---	---	< 5.6	0.915	---	---	---
cis-1,3-Dichloropropene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Cyclohexane	NL	9.42	---	---	---	73.6	109	---	---	---
Dibromochloromethane	20	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Dibromomethane	1860	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Dichlorodifluoromethane	50	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Dichlorofluoromethane	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Diethyl ether (Ethyl ether)	NL	<2.37	---	---	---	< 14.1	< 0.966	---	---	---
Diisopropyl ether	NL	<2.37	---	---	---	16.9	28.5	---	---	---
Ethylbenzene	200	14.6	---	---	---	**238**	**695**	---	---	---
Hexachloro-1,3-butadiene	37	<2.37	---	---	---	< 5.6	< 0.966	---	---	---
Iodomethane	NL	<2.37	---	---	---	< 14.1	< 0.966	---	---	---
Isopropylbenzene (Cumene)	87	<0.594	---	---	---	6.32	15.7	---	---	---
m&p-Xylene	NL	31.0	---	---	---	592	1610	---	---	---
Methyl-tert-butyl ether	NL	<0.594	---	---	---	< 5.6	< 0.966	---	---	---
Methylene Chloride	158	<2.37	---	---	---	< 5.6	< 0.242	---	---	---
n-Butylbenzene	92	4.19	---	---	---	26.0	**96.8**	---	---	---
n-Propylbenzene	93	0.777	---	---	---	6.95	76.8	---	---	---
Naphthalene	28	<2.37	---	---	---	18.9	15.9	---	---	---
o-Xylene	NL	14.0	---	---	---	227	588	---	---	---
p-Isopropyltoluene	NL	1.88	---	---	---	6.70	14.6	---	---	---
sec-Butylbenzene	70	1.12	---	---	---	< 5.6	10.5	---	---	---
Styrene	600	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
tert-Butylbenzene	90	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Tetrachloroethene	131	0.601	---	---	---	< 5.6	11.1	---	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

Soil Block:		**B2-9**	**B2-10**	**B2-10**	**B2-10**	**B2-10**	**B2-10**	**B2-11**	**B2-11**	**B2-11**
Layer:		**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Weston Sample ID:		**OKMN-SB-B09C-0-0060**	**OKMN SBC SPB10 0 0040**	**OKMN-SBC-B10RC-0-0040**	**OKMN-SBC-B10RC-DB-004**	**OKMN SB SPB10 0 0055**	**OKMN-SB-B10RC-0-0070**	**OKMN SBC SPB11 0 0040**	**OKMN SBC SPB23 0 0040**	**OKMN-SBC-B11C-0-0040**
Sample Location:		**B09C**	**SPB10**	**B10RC**	**B10RC**	**SPB10**	**B10RC**	**SPB11**	**SPB23**	**B11C**
Sample Type:		**Grab**	**Composite**	**Composite**	**Composite (Duplicate)**	**Grab**	**Grab**	**Composite**	**Composite**	**Composite**
Sample Depth:		**6.0 ft bgs**	**4 - 8 ft bgs**	**4 - 9 ft bgs**	**4 - 9 ft bgs**	**5.5 ft bgs**	**7.0 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**
Sample Date:		**22-Jul-10**	**18-Jun-09**	**15-Nov-10**	**15-Nov-10**	**18-Jun-09**	**15-Nov-10**	**17-Jun-09**	**17-Jun-09**	**22-Jul-10**
Tetrahydrofuran	NL	<5.94	---	---	---	< 56.3	< 2.42	---	---	---
Toluene	305	64.1	---	---	---	128	**2520**	---	---	---
trans-1,2-Dichloroethene	33	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
trans-1,3-Dichloropropene	NL	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
trans-1,4-Dichloro-2-butene	NL	<5.94	---	---	---	< 14.1	< 2.42	---	---	---
Trichloroethene	46	<0.594	---	---	---	20.9	**82.4**	---	---	---
Trichlorofluoromethane	195	<0.594	---	---	---	< 5.6	< 0.242	---	---	---
Vinyl acetate	NL	<5.94	---	---	---	< 5.6	< 2.42	---	---	---
Vinyl chloride	2.2	<0.237	---	---	---	< 1.4	< 0.0966	---	---	---
Xylene (Total)	130	45.0	---	---	---	**818**	**2200**	---	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1221 (Aroclor 1221)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1232 (Aroclor 1232)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1242 (Aroclor 1242)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1248 (Aroclor 1248)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1254 (Aroclor 1254)	NL	---	9.16	---	---	---	---	11.8	48.5	3.41
PCB-1260 (Aroclor 1260)	NL	---	2.09	---	---	---	---	<0.191	7.26	1.97
PCB-1262 (Aroclor 1262)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
PCB-1268 (Aroclor 1268)	NL	---	< 0.37	---	---	---	---	<0.191	<0.956	<0.036
Total PCBs	50	---	11.3	---	---	---	---	11.8	**55.8**	5.38
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	< 0.05	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	0.146	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	< 0.05	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	0.612	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	0.0675	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	< 0.05	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	< 0.05	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	< 0.05	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	0.0647	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	0.296	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	< 0.02	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	< 0.050	< 0.050	---	---	---	---	---
Barium, TCLP	100	---	---	0.34	0.32	---	---	---	---	---
Cadmium, TCLP	1	---	---	0.013	0.011	---	---	---	---	---
Chromium, TCLP	5	---	---	< 0.050	< 0.050	---	---	---	---	---
Lead, TCLP	5	---	---	0.022	0.024	---	---	---	---	---
Selenium, TCLP	1	---	---	< 0.075	< 0.075	---	---	---	---	---
Silver, TCLP	5	---	---	< 0.050	< 0.050	---	---	---	---	---
Mercury, TCLP	0.2	---	---	< 0.0002	< 0.0002	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	< 0.025	< 0.025	---	---	---	---	---
Sulfide, Reactive	NL	---	---	< 100	< 100	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	>210	>210	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	11.0	11.7	10.4	10.3	9.9	11.5	11.8	11.1	9.6

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-11	B2-11 / B2-3	B2-11	B2-11	B2-11	B2-11	B2-11	B2-11 / B2-3	B2-11
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B11C-DB-0040	OKMN-SBC-B03C-0-0040	OKMN-SBC-B11RC-0-0040	OKMN SBC SPB11 0 0055	OKMN SBC SPB23 0 0060	OKMN-SB-B11C-0-0050	OKMN-SB-B10C-0-0070	OKMN-SB-B03C-0-0060	OKMN-SB-B11RC-0-0050
	Sample Location:	B11C	B03C[a]	B11RC	SPB11	SPB23	B11C	B10C	B03C[a]	B11RC
	Sample Type:	Composite (Duplicate)	Composite	Composite	Grab	Grab	Grab	Grab	Grab	Grab
	Sample Depth:	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	5.5 ft bgs	6.0 ft bgs	5.0 ft bgs	7.0 ft bgs	6.0 ft bgs	5.0 ft bgs
	Sample Date:	22-Jul-10	22-Jul-10	15-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	22-Jul-10	15-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,1-Dichloroethene	60	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	0.499
1,1-Dichloropropene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,1,1-Trichloroethane	472	---	---	---	<10.9	<5.5	1.44	2.04	1.71	2.10
1,1,1,2-Tetrachloroethane	51	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,1,2-Trichloroethane	14	---	---	---	<10.9	<5.5	2.92	13.4	12.2	< 0.222
1,1,2-Trichlorotrifluoroethane	5430	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,1,2,2-Tetrachloroethane	6.5	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,2-Dibromo-3-chloropropane	NL	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.222
1,2-Dibromoethane (EDB)	0.5	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,2-Dichlorobenzene	75	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,2-Dichloroethane	6	---	---	---	**31.9**	**22.7**	**11.7**	**9.80**	**10.2**	**44.5**
1,2-Dichloroethene (Total)	NL	---	---	---	<21.8	<11	<1.06	<1.08	<1.10	< 0.89
1,2-Dichloropropane	6	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,2,3-Trichlorobenzene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,2,3-Trichloropropane	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	6.66
1,2,4-Trichlorobenzene	985	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.445
1,2,4-Trimethylbenzene	25	---	---	---	**200**	**108**	**71.0**	**101**	**90.2**	< 0.222
1,3-Dichlorobenzene	200	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	9.84
1,3-Dichloropropane	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
1,3,5-Trimethylbenzene	10	---	---	---	**42.7**	**23.5**	**17.3**	**25.2**	**22.3**	< 0.222
1,4-Dichlorobenzene	50	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
2-Butanone (MEK)	19000	---	---	---	<27.2	<13.8	11.7	43.2	22.8	< 0.89
2-Chloroethylvinyl ether	NL	---	---	---	<27.2	<13.8	<5.3	<5.4	<5.5	< 2.22
2-Chlorotoluene	436	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 2.22
2-Hexanone	NL	---	---	---	<27.2	<13.8	<5.32	<5.42	<5.49	< 0.222
2-Methylnaphthalene	369	---	---	---	<10.9	<5.5	2.92	6.35	4.35	< 2.22
2,2-Dichloropropane	NL	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	3.23
4-Chlorotoluene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
4-Methyl-2-pentanone (MIBK)	9000	---	---	---	199	109	32.7	118	112	10.6
Acetone	1000	---	---	---	<27.2	<13.8	<5.32	11.2	5.61	< 2.22
Acrolein	NL	---	---	---	<109	<55	<5.32	<5.42	<5.49	< 2.22
Acrylonitrile	NL	---	---	---	<109	<55	<5.32	<5.42	<5.49	< 2.22
Allyl chloride	NL	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.89
Benzene	10	---	---	---	**20.8**	9.08	4.36	4.79	4.82	1.94
Bromobenzene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Bromochloromethane	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Bromodichloromethane	17	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Bromoform	650	---	---	---	<21.8	<11	<4.25	<4.34	<4.39	< 1.78
Bromomethane	2	---	---	---	<27.2	<13.8	<5.32	<5.42	<5.49	< 2.22
Carbon disulfide	190	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Carbon tetrachloride	0.9	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.89
Chlorobenzene	32	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Chloroethane	3000	---	---	---	<10.9	<5.5	<5.32	<5.42	<5.49	< 2.22
Chloroform	4	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Chloromethane	23	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.89
cis-1,2-Dichloroethene	22	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
cis-1,3-Dichloropropene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Cyclohexane	NL	---	---	---	55.5	41.1	20.2	33.7	19.1	8.50
Dibromochloromethane	20	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Dibromomethane	1860	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Dichlorodifluoromethane	50	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Dichlorofluoromethane	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Diethyl ether (Ethyl ether)	NL	---	---	---	<27.2	<13.8	<2.13	<2.17	<2.20	< 0.89
Diisopropyl ether	NL	---	---	---	30.5	13.8	5.15	7.06	4.33	1.40
Ethylbenzene	200	---	---	---	**464**	**296**	103	**308**	**278**	65.0
Hexachloro-1,3-butadiene	37	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.89
Iodomethane	NL	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.89
Isopropylbenzene (Cumene)	87	---	---	---	<10.9	<5.5	3.63	9.82	8.36	2.49
m&p-Xylene	NL	---	---	---	970	623	214	678	579	181
Methyl-tert-butyl ether	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.89
Methylene Chloride	158	---	---	---	<10.9	<5.5	<2.13	<2.17	<2.20	< 0.222
n-Butylbenzene	92	---	---	---	50.2	33.2	17.2	40.3	29.1	15.4
n-Propylbenzene	93	---	---	---	<10.9	<5.5	5.54	10.9	9.50	15.50
Naphthalene	28	---	---	---	**44.5**	**30.6**	16.2	**46.6**	**30.9**	3.18
o-Xylene	NL	---	---	---	368	237	92.2	257	215	72.6
p-Isopropyltoluene	NL	---	---	---	<10.9	<5.5	4.29	9.21	7.28	2.53
sec-Butylbenzene	70	---	---	---	<10.9	<5.5	3.00	6.42	5.43	2.23
Styrene	600	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
tert-Butylbenzene	90	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Tetrachloroethene	131	---	---	---	<10.9	<5.5	2.17	7.05	6.10	1.67

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-11	B2-11 / B2-3	B2-11	B2-11	B2-11	B2-11	B2-11	B2-11 / B2-3	B2-11
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B11C-DB-0040	OKMN-SBC-B03C-0-0040	OKMN-SBC-B11RC-0-0040	OKMN SBC SPB11 0 0055	OKMN SBC SPB23 0 0060	OKMN-SB-B11C-0-0050	OKMN-SB-B10C-0-0070	OKMN-SB-B03C-0-0060	OKMN-SB-B11RC-0-0050
	Sample Location:	B11C	B03C[a]	B11RC	SPB11	SPB23	B11C	B10C	B03C[a]	B11RC
	Sample Type:	Composite (Duplicate)	Composite	Composite	Grab	Grab	Grab	Grab	Grab	Grab
	Sample Depth:	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	5.5 ft bgs	6.0 ft bgs	5.0 ft bgs	7.0 ft bgs	6.0 ft bgs	5.0 ft bgs
	Sample Date:	22-Jul-10	22-Jul-10	15-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	22-Jul-10	15-Nov-10
Tetrahydrofuran	NL	---	---	---	<109	<55	<5.32	<5.42	<5.49	< 2.22
Toluene	305	---	---	---	**3510**	**4540**	**552**	**1500**	**1790**	**384**
trans-1,2-Dichloroethene	33	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
trans-1,3-Dichloropropene	NL	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
trans-1,4-Dichloro-2-butene	NL	---	---	---	<27.2	<13.8	<5.32	<5.42	<5.49	< 2.22
Trichloroethene	46	---	---	---	44.5	20.7	12.3	21.4	17.6	7.72
Trichlorofluoromethane	195	---	---	---	<10.9	<5.5	<0.532	<0.542	<0.549	< 0.222
Vinyl acetate	NL	---	---	---	<10.9	<5.5	<5.32	<5.42	<5.49	< 2.22
Vinyl chloride	2.2	---	---	---	<2.72	<1.38	<0.213	<0.217	<0.220	< 0.089
Xylene (Total)	130	---	---	---	**1340**	**860**	**307**	**935**	**794**	**253**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	<0.037	<0.037	---	---	---	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	<0.037	<0.037	---	---	---	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	<0.037	1.29	---	---	---	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	<0.037	<0.037	---	---	---	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	<0.037	<0.037	---	---	---	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	2.52	13.3	---	---	---	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	1.48	6.09	---	---	---	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	<0.037	<0.037	---	---	---	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	<0.037	<0.037	---	---	---	---	---	---	---
Total PCBs	50	4.00	20.7	---	---	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	< 0.05	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	0.0921	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	< 0.05	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	0.368	---	---	---	---	---	---
Benzene, TCLP	0.5	---	---	< 0.05	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	< 0.05	---	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	< 0.05	---	---	---	---	---	---
Chloroform, TCLP	6	---	---	< 0.05	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	< 0.05	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	0.102	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	< 0.02	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	10.1	10.9	10.1	10.7	11.6	9.7	10.8	11.3	9.8

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-12	B2-12 / B2-17	B2-12	B2-12	B2-12 / B2-17	B2-12	B2-13	B2-13	B2-13
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SBC SPB12 0 0040	OKMN SBC SPB22 0 0040	OKMN-SBC-B12RC-0-0040	OKMN SB SPB12 0 0060	OKMN SB SPB22 0 0060	OKMN-SB-B12C-0-0075	OKMN SBC SPB13 0 0040	OKMN-SBC-B13C-0-0040	OKMN-SBC-B13C-DB-0040
	Sample Location:	SPB12	SPB22[a]	B12RC	SPB12	SPB22[a]	B12C	SPB13	B13C	B13C
	Sample Type:	Composite	Composite	Composite	Grab	Grab	Grab	Composite	Composite	Composite (Duplicate)
	Sample Depth:	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	6.0 ft bgs	6.0 ft bgs	7.5 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs
	Sample Date:	17-Jun-09	18-Jun-09	15-Nov-10	17-Jun-09	18-Jun-09	22-Jul-10	17-Jun-09	22-Jul-10	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	---	---	<11.5	0.446	<0.515	---	---	---
1,1-Dichloroethene	60	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,1-Dichloropropene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,1,1-Trichloroethane	472	---	---	---	<11.5	2.10	<0.515	---	---	---
1,1,1,2-Tetrachloroethane	51	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,1,2-Trichloroethane	14	---	---	---	<11.5	5.27	2.95	---	---	---
1,1,2-Trichlorotrifluoroethane	5430	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,1,2,2-Tetrachloroethane	6.5	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2-Dibromo-3-chloropropane	NL	---	---	---	<11.5	< 0.22	<2.06	---	---	---
1,2-Dibromoethane (EDB)	0.5	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2-Dichlorobenzene	75	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2-Dichloroethane	6	---	---	---	<11.5	**12.8**	1.95	---	---	---
1,2-Dichloroethene (Total)	NL	---	---	---	<23	< 0.45	<1.03	---	---	---
1,2-Dichloropropane	6	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2,3-Trichlorobenzene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2,3-Trichloropropane	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2,4-Trichlorobenzene	985	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,2,4-Trimethylbenzene	25	---	---	---	**30.2**	**57.8**	**45.3**	---	---	---
1,3-Dichlorobenzene	200	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,3-Dichloropropane	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
1,3,5-Trimethylbenzene	10	---	---	---	<11.5	**11.9**	**10.5**	---	---	---
1,4-Dichlorobenzene	50	---	---	---	<11.5	< 0.22	<0.515	---	---	---
2-Butanone (MEK)	19000	---	---	---	71.8	82.4	12.3	---	---	---
2-Chloroethylvinyl ether	NL	---	---	---	<28.7	< 2.8	<5.2	---	---	---
2-Chlorotoluene	436	---	---	---	<11.5	< 0.22	<0.515	---	---	---
2-Hexanone	NL	---	---	---	<28.7	< 0.56	<5.15	---	---	---
2-Methylnaphthalene	369	---	---	---	<11.5	1.61	<2.57	---	---	---
2,2-Dichloropropane	NL	---	---	---	<11.5	< 0.22	<2.06	---	---	---
4-Chlorotoluene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
4-Methyl-2-pentanone (MIBK)	9000	---	---	---	62.2	153	28.5	---	---	---
Acetone	1000	---	---	---	<28.7	13.0	<5.15	---	---	---
Acrolein	NL	---	---	---	<115	< 2.2	<5.15	---	---	---
Acrylonitrile	NL	---	---	---	<115	< 2.2	<5.15	---	---	---
Allyl chloride	NL	---	---	---	<11.5	< 0.22	<2.06	---	---	---
Benzene	10	---	---	---	<2.87	7.97	1.77	---	---	---
Bromobenzene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Bromochloromethane	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Bromodichloromethane	17	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Bromoform	650	---	---	---	<23	< 1.1	<4.12	---	---	---
Bromomethane	2	---	---	---	<28.7	< 0.56	<5.15	---	---	---
Carbon disulfide	190	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Carbon tetrachloride	0.9	---	---	---	<11.5	< 0.22	<2.06	---	---	---
Chlorobenzene	32	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Chloroethane	3000	---	---	---	<11.5	< 0.56	<5.15	---	---	---
Chloroform	4	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Chloromethane	23	---	---	---	<11.5	< 0.22	<2.06	---	---	---
cis-1,2-Dichloroethene	22	---	---	---	<11.5	0.315	<0.515	---	---	---
cis-1,3-Dichloropropene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Cyclohexane	NL	---	---	---	<11.5	19.7	52.0	---	---	---
Dibromochloromethane	20	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Dibromomethane	1860	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Dichlorodifluoromethane	50	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Dichlorofluoromethane	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Diethyl ether (Ethyl ether)	NL	---	---	---	<28.7	< 0.56	<2.06	---	---	---
Diisopropyl ether	NL	---	---	---	<11.5	5.08	2.64	---	---	---
Ethylbenzene	200	---	---	---	106	150	142	---	---	---
Hexachloro-1,3-butadiene	37	---	---	---	<11.5	< 0.22	<2.06	---	---	---
Iodomethane	NL	---	---	---	<11.5	< 0.56	<2.06	---	---	---
Isopropylbenzene (Cumene)	87	---	---	---	<11.5	4.01	3.63	---	---	---
m&p-Xylene	NL	---	---	---	211	315	286	---	---	---
Methyl-tert-butyl ether	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Methylene Chloride	158	---	---	---	<11.5	< 0.22	<2.06	---	---	---
n-Butylbenzene	92	---	---	---	<11.5	14.9	13.5	---	---	---
n-Propylbenzene	93	---	---	---	<11.5	4.86	4.37	---	---	---
Naphthalene	28	---	---	---	<11.5	15.8	8.71	---	---	---
o-Xylene	NL	---	---	---	77.5	123	114	---	---	---
p-Isopropyltoluene	NL	---	---	---	<11.5	3.74	5.05	---	---	---
sec-Butylbenzene	70	---	---	---	<11.5	2.74	2.60	---	---	---
Styrene	600	---	---	---	<11.5	2.76	<0.515	---	---	---
tert-Butylbenzene	90	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Tetrachloroethene	131	---	---	---	<11.5	2.71	1.95	---	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B2-12**	**B2-12 / B2-17**	**B2-12**	**B2-12**	**B2-12 / B2-17**	**B2-12**	**B2-13**	**B2-13**	**B2-13**
	Layer:	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Weston Sample ID:	**OKMN SBC SPB12 0 0040**	**OKMN SBC SPB22 0 0040**	**OKMN-SBC-B12RC-0-0040**	**OKMN SB SPB12 0 0060**	**OKMN SB SPB22 0 0060**	**OKMN-SB-B12C-0-0075**	**OKMN SBC SPB13 0 0040**	**OKMN-SBC-B13C-0-0040**	**OKMN-SBC-B13C-DB-0040**
	Sample Location:	**SPB12**	**SPB22[a]**	**B12RC**	**SPB12**	**SPB22[a]**	**B12C**	**SPB13**	**B13C**	**B13C**
	Sample Type:	**Composite**	**Composite**	**Composite**	**Grab**	**Grab**	**Grab**	**Composite**	**Composite**	**Composite (Duplicate)**
	Sample Depth:	**4 - 8 ft bgs**	**4 - 8 ft bgs**	**4 - 9 ft bgs**	**6.0 ft bgs**	**6.0 ft bgs**	**7.5 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**
	Sample Date:	**17-Jun-09**	**18-Jun-09**	**15-Nov-10**	**17-Jun-09**	**18-Jun-09**	**22-Jul-10**	**17-Jun-09**	**22-Jul-10**	**22-Jul-10**
Tetrahydrofuran	NL	---	---	---	<115	< 2.2	<5.15	---	---	---
Toluene	305	---	---	---	**707**	**913**	**758**	---	---	---
trans-1,2-Dichloroethene	33	---	---	---	<11.5	< 0.22	<0.515	---	---	---
trans-1,3-Dichloropropene	NL	---	---	---	<11.5	< 0.22	<0.515	---	---	---
trans-1,4-Dichloro-2-butene	NL	---	---	---	<28.7	< 0.56	<5.15	---	---	---
Trichloroethene	46	---	---	---	<11.5	20.5	11.4	---	---	---
Trichlorofluoromethane	195	---	---	---	<11.5	< 0.22	<0.515	---	---	---
Vinyl acetate	NL	---	---	---	<11.5	< 0.22	<5.15	---	---	---
Vinyl chloride	2.2	---	---	---	<2.87	< 0.056	<0.206	---	---	---
Xylene (Total)	130	---	---	---	**288**	**439**	**400**	---	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1221 (Aroclor 1221)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1232 (Aroclor 1232)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1242 (Aroclor 1242)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1248 (Aroclor 1248)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1254 (Aroclor 1254)	NL	6.75	16.4	---	---	---	---	10.5	---	---
PCB-1260 (Aroclor 1260)	NL	3.68	3.60	---	---	---	---	4.9	---	---
PCB-1262 (Aroclor 1262)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
PCB-1268 (Aroclor 1268)	NL	<0.188	< 1.8	---	---	---	---	<0.188	---	---
Total PCBs	50	10.4	20.0	---	---	---	---	15.4	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
1,2-Dichloroethane, TCLP	0.5	---	---	< 0.05	---	---	---	0.415	**0.847**	**0.687**
1,4-Dichlorobenzene, TCLP	7.5	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
2-Butanone (MEK), TCLP	200	---	---	< 0.2	---	---	---	4.07	1.29	1.13
Benzene, TCLP	0.5	---	---	< 0.05	---	---	---	0.165	0.124	0.0959
Carbon tetrachloride, TCLP	0.5	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
Chlorobenzene, TCLP	100	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
Chloroform, TCLP	6	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
Tetrachloroethene, TCLP	0.7	---	---	< 0.05	---	---	---	<0.025	<0.0500	<0.0500
Trichloroethene, TCLP	0.5	---	---	0.0854	---	---	---	**0.924**	**0.769**	**0.646**
Vinyl chloride, TCLP	0.2	---	---	< 0.02	---	---	---	<0.01	<0.0200	<0.0200
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	< 0.050	---	---	---	<0.025	---	---
Barium, TCLP	100	---	---	0.31	---	---	---	0.64	---	---
Cadmium, TCLP	1	---	---	0.0075	---	---	---	<0.0025	---	---
Chromium, TCLP	5	---	---	< 0.050	---	---	---	<0.025	---	---
Lead, TCLP	5	---	---	0.016	---	---	---	0.09	---	---
Selenium, TCLP	1	---	---	< 0.075	---	---	---	<0.038	---	---
Silver, TCLP	5	---	---	< 0.050	---	---	---	<0.025	---	---
Mercury, TCLP	0.2	---	---	< 0.0002	---	---	---	<0.0004	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	< 0.025	---	---	---	<0.012	---	---
Sulfide, Reactive	NL	---	---	< 100	---	---	---	<6.9	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	>210	---	---	---	>210	---	---
Percent Moisture (%)										
Percent Moisture	NL	9.8	9.0	10.9	10.4	9.0	9.1	9.7	---	---

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-13	B2-13	B2-13	B2-13	B2-13	B2-13	B2-14	B2-14	B2-14
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B13RC-0-0040	OKMN-SBC-B13RC-DB-0040	OKMN SB SPB13 0 0070	OKMN-SB-B13C-0-0055	OKMN-SB-B13RC-0-0040	OKMN-SB-B13RC-DB-0040	OKMN SBC SPB14 0 0040	OKMN SBC SPB20 0 0040	OKMN-SBC-B14C-0-0040
	Sample Location:	B13RC	B13RC	SPB13	B13C	B13RC	B13RC	SPB14	SPB20	B14C
	Sample Type:	Composite	Composite (Duplicate)	Grab	Grab	Grab	Grab (Duplicate)	Composite	Composite	Composite
	Sample Depth:	4 - 9 ft bgs	4 - 9 ft bgs	6.0 ft bgs	5.5 ft bgs	4.0 ft bgs	4.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs
	Sample Date:	16-Nov-10	16-Nov-10	17-Jun-09	22-Jul-10	16-Nov-10	16-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	---	<27.8	0.987	5.70	5.99	---	---	---
1,1-Dichloroethene	60	---	---	<27.8	<0.545	0.403	0.466	---	---	---
1,1-Dichloropropene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,1,1-Trichloroethane	472	---	---	<27.8	<0.545	5.27	5.50	---	---	---
1,1,1,2-Tetrachloroethane	51	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,1,2-Trichloroethane	14	---	---	<27.8	0.570	**19.1**	**19.1**	---	---	---
1,1,2-Trichlorotrifluoroethane	5430	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,1,2,2-Tetrachloroethane	6.5	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2-Dibromo-3-chloropropane	NL	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
1,2-Dibromoethane (EDB)	0.5	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2-Dichlorobenzene	75	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2-Dichloroethane	6	---	---	<27.8	**13.4**	**47.6**	**47.9**	---	---	---
1,2-Dichloroethene (Total)	NL	---	---	<55.5	<1.09	< 0.431	< 0.439	---	---	---
1,2-Dichloropropane	6	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2,3-Trichlorobenzene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2,3-Trichloropropane	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2,4-Trichlorobenzene	985	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,2,4-Trimethylbenzene	25	---	---	<27.8	23.5	**131**	**104**	---	---	---
1,3-Dichlorobenzene	200	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,3-Dichloropropane	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
1,3,5-Trimethylbenzene	10	---	---	<27.8	5.53	**36.0**	**35**	---	---	---
1,4-Dichlorobenzene	50	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
2-Butanone (MEK)	19000	---	---	<69.4	49.7	< 269	< 275	---	---	---
2-Chloroethylvinyl ether	NL	---	---	<69.4	<5.5	< 2.15	< 2.2	---	---	---
2-Chlorotoluene	436	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
2-Hexanone	NL	---	---	<69.4	<5.45	< 2.15	< 2.2	---	---	---
2-Methylnaphthalene	369	---	---	<27.8	<2.72	5.24	4.35	---	---	---
2,2-Dichloropropane	NL	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
4-Chlorotoluene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
4-Methyl-2-pentanone (MIBK)	9000	---	---	<69.4	53.1	327	< 275	---	---	---
Acetone	1000	---	---	<69.4	18.5	25.5	24.9	---	---	---
Acrolein	NL	---	---	<278	<5.45	< 2.15	< 2.2	---	---	---
Acrylonitrile	NL	---	---	<278	<5.45	< 2.15	< 2.2	---	---	---
Allyl chloride	NL	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
Benzene	10	---	---	<6.94	1.54	**16.5**	**17.3**	---	---	---
Bromobenzene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Bromochloromethane	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Bromodichloromethane	17	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Bromoform	650	---	---	<55.5	<4.36	< 1.72	< 1.76	---	---	---
Bromomethane	2	---	---	<69.4	<5.45	< 2.15	< 2.2	---	---	---
Carbon disulfide	190	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Carbon tetrachloride	0.9	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
Chlorobenzene	32	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Chloroethane	3000	---	---	<27.8	<5.45	< 2.15	< 2.2	---	---	---
Chloroform	4	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Chloromethane	23	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
cis-1,2-Dichloroethene	22	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
cis-1,3-Dichloropropene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Cyclohexane	NL	---	---	79.4	26.6	150	128	---	---	---
Dibromochloromethane	20	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Dibromomethane	1860	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Dichlorodifluoromethane	50	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Dichlorofluoromethane	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Diethyl ether (Ethyl ether)	NL	---	---	<69.4	<2.18	< 0.862	< 0.879	---	---	---
Diisopropyl ether	NL	---	---	<27.8	35.8	< 108	< 110	---	---	---
Ethylbenzene	200	---	---	**202**	74.1	**477**	**355**	---	---	---
Hexachloro-1,3-butadiene	37	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
Iodomethane	NL	---	---	<27.8	<2.18	< 0.862	< 0.879	---	---	---
Isopropylbenzene (Cumene)	87	---	---	<27.8	1.61	10.9	11.2	---	---	---
m&p-Xylene	NL	---	---	394	145	941	689	---	---	---
Methyl-tert-butyl ether	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Methylene Chloride	158	---	---	<27.8	<2.18	3.92	4.75	---	---	---
n-Butylbenzene	92	---	---	<27.8	8.57	36.7	54.4	---	---	---
n-Propylbenzene	93	---	---	<27.8	2.15	15.0	14.6	---	---	---
Naphthalene	28	---	---	<27.8	5.81	**37.2**	**32.3**	---	---	---
o-Xylene	NL	---	---	147	57.2	337	255	---	---	---
p-Isopropyltoluene	NL	---	---	<27.8	<0.545	18.0	16.8	---	---	---
sec-Butylbenzene	70	---	---	<27.8	1.60	11.0	10.0	---	---	---
Styrene	600	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
tert-Butylbenzene	90	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Tetrachloroethene	131	---	---	<27.8	1.01	6.92	7.02	---	---	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-14**	**B2-14**	**B2-14**
	Layer:	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Weston Sample ID:	**OKMN-SBC-B13RC-0-0040**	**OKMN-SBC-B13RC-DB-0040**	**OKMN SB SPB13 0 0070**	**OKMN-SB-B13C-0-0055**	**OKMN-SB-B13RC-0-0040**	**OKMN-SB-B13RC-DB-0040**	**OKMN SBC SPB14 0 0040**	**OKMN SBC SPB20 0 0040**	**OKMN-SBC-B14C-0-0040**
	Sample Location:	**B13RC**	**B13RC**	**SPB13**	**B13C**	**B13RC**	**B13RC**	**SPB14**	**SPB20**	**B14C**
	Sample Type:	**Composite**	**Composite (Duplicate)**	**Grab**	**Grab**	**Grab**	**Grab (Duplicate)**	**Composite**	**Composite**	**Composite**
	Sample Depth:	**4 - 9 ft bgs**	**4 - 9 ft bgs**	**6.0 ft bgs**	**5.5 ft bgs**	**4.0 ft bgs**	**4.0 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**	**4 - 8 ft bgs**
	Sample Date:	**16-Nov-10**	**16-Nov-10**	**17-Jun-09**	**22-Jul-10**	**16-Nov-10**	**16-Nov-10**	**17-Jun-09**	**17-Jun-09**	**22-Jul-10**
Tetrahydrofuran	NL	---	---	<278	<5.45	< 2.15	< 2.2	---	---	---
Toluene	305	---	---	**1400**	**391**	**3700**	**2850**	---	---	---
trans-1,2-Dichloroethene	33	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
trans-1,3-Dichloropropene	NL	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
trans-1,4-Dichloro-2-butene	NL	---	---	<69.4	<5.45	< 2.15	< 2.2	---	---	---
Trichloroethene	46	---	---	<27.8	13.2	**93.1**	**76.2**	---	---	---
Trichlorofluoromethane	195	---	---	<27.8	<0.545	< 0.215	< 0.22	---	---	---
Vinyl acetate	NL	---	---	<27.8	<5.45	< 2.15	< 2.2	---	---	---
Vinyl chloride	2.2	---	---	<6.94	<0.218	0.194	0.382	---	---	---
Xylene (Total)	130	---	---	**540**	**202**	**1280**	**944**	---	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1221 (Aroclor 1221)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1232 (Aroclor 1232)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1242 (Aroclor 1242)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1248 (Aroclor 1248)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1254 (Aroclor 1254)	NL	---	---	---	---	---	---	3.47	4.51	---
PCB-1260 (Aroclor 1260)	NL	---	---	---	---	---	---	0.916	2.10	---
PCB-1262 (Aroclor 1262)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
PCB-1268 (Aroclor 1268)	NL	---	---	---	---	---	---	<0.0983	<0.185	---
Total PCBs	50	---	---	---	---	---	---	4.39	6.61	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	< 0.05	< 0.05	---	---	---	---	---	<0.025	<0.0500
1,2-Dichloroethane, TCLP	0.5	0.227	0.0735	---	---	---	---	---	**0.788**	**1.47**
1,4-Dichlorobenzene, TCLP	7.5	< 0.05	< 0.05	---	---	---	---	---	<0.025	<0.0500
2-Butanone (MEK), TCLP	200	5.41	6.67	---	---	---	---	---	3.96	6.07
Benzene, TCLP	0.5	< 0.05	< 0.05	---	---	---	---	---	0.133	0.321
Carbon tetrachloride, TCLP	0.5	< 0.05	< 0.05	---	---	---	---	---	<0.025	<0.0500
Chlorobenzene, TCLP	100	< 0.05	< 0.05	---	---	---	---	---	<0.025	<0.0500
Chloroform, TCLP	6	< 0.05	< 0.05	---	---	---	---	---	<0.025	<0.0500
Tetrachloroethene, TCLP	0.7	< 0.05	< 0.05	---	---	---	---	---	0.0677	0.0889
Trichloroethene, TCLP	0.5	**0.529**	0.151	---	---	---	---	---	**0.512**	**1.05**
Vinyl chloride, TCLP	0.2	< 0.02	< 0.02	---	---	---	---	---	<0.01	<0.0200
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	<0.025	---
Barium, TCLP	100	---	---	---	---	---	---	---	0.66	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	0.011	---
Chromium, TCLP	5	---	---	---	---	---	---	---	<0.025	---
Lead, TCLP	5	---	---	---	---	---	---	---	0.14	---
Selenium, TCLP	1	---	---	---	---	---	---	---	<0.038	---
Silver, TCLP	5	---	---	---	---	---	---	---	<0.025	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	<0.0004	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	<0.012	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	<6.9	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	>210	---
Percent Moisture (%)										
Percent Moisture	NL	---	---	8.7	8.5	10	10.9	13.5	8.0	---

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-14	B2-14	B2-14	B2-14	B2-14	B2-14	B2-15	B2-15	B2-16
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN-SBC-B14RC-0-0040	OKMN SB SPB14 0 0065	OKMN SB SPB20 0 0070	OKMN-SB-B14C-0-0060	OKMN-SB-B14C-DB-0060	OKMN-SB-B14RC-0-0050	OKMN SBC SPB15 0 0040	OKMN SB SPB15 0 0045	OKMN SBC SPB16 0 0040
	Sample Location:	B14RC	SPB14	SPB20	B14C	B14C	B14RC	SPB15	SPB15	SPB16
	Sample Type:	Composite	Grab	Grab	Grab	Grab (Duplicate)	Grab	Composite	Grab	Composite
	Sample Depth:	4 - 9 ft bgs	6.5 ft bgs	7.0 ft bgs	6.0 ft bgs	6.0 ft bgs	5.0 ft bgs	4 - 8 ft bgs	4.5 ft bgs	4- 8 ft bgs
	Sample Date:	16-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	22-Jul-10	16-Nov-10	18-Jun-09	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	<53.1	<54.2	4.34	4.20	6.30	---	0.309	---
1,1-Dichloroethene	60	---	<53.1	<54.2	<0.571	<0.542	0.301	---	< 0.25	---
1,1-Dichloropropene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,1,1-Trichloroethane	472	---	<53.1	<54.2	<0.571	17.0	< 0.215	---	1.35	---
1,1,1,2-Tetrachloroethane	51	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,1,2-Trichloroethane	14	---	<53.1	<54.2	**30.7**	**28.1**	**42.7**	---	2.08	---
1,1,2-Trichlorotrifluoroethane	5430	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,1,2,2-Tetrachloroethane	6.5	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2-Dibromo-3-chloropropane	NL	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
1,2-Dibromoethane (EDB)	0.5	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2-Dichlorobenzene	75	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2-Dichloroethane	6	---	<53.1	<54.2	**61.7**	**57.9**	**89.5**	---	4.46	---
1,2-Dichloroethene (Total)	NL	---	<106	<108	<1.14	<1.08	< 0.429	---	< 0.49	---
1,2-Dichloropropane	6	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2,3-Trichlorobenzene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2,3-Trichloropropane	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2,4-Trichlorobenzene	985	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,2,4-Trimethylbenzene	25	---	<53.1	**187**	**142**	**134**	**249**	---	4.54	---
1,3-Dichlorobenzene	200	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,3-Dichloropropane	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
1,3,5-Trimethylbenzene	10	---	<53.1	<54.2	**38.3**	**35.7**	**60.5**	---	0.896	---
1,4-Dichlorobenzene	50	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
2-Butanone (MEK)	19000	---	294	<136	<286	<271	< 536	---	< 0.61	---
2-Chloroethylvinyl ether	NL	---	<133	<136	<5.7	<5.4	< 2.15	---	< 3.1	---
2-Chlorotoluene	436	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
2-Hexanone	NL	---	<133	<136	<5.71	<5.42	< 2.15	---	< 0.61	---
2-Methylnaphthalene	369	---	<53.1	<54.2	6.45	7.23	8.19	---	0.316	---
2,2-Dichloropropane	NL	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
4-Chlorotoluene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
4-Methyl-2-pentanone (MIBK)	9000	---	<133	<136	<286	<271	< 536	---	12.2	---
Acetone	1000	---	<133	<136	66.2	54.5	30.0	---	< 0.61	---
Acrolein	NL	---	<531	<542	<5.71	<5.42	< 2.15	---	< 2.5	---
Acrylonitrile	NL	---	<531	<542	<5.71	<5.42	< 2.15	---	< 2.5	---
Allyl chloride	NL	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
Benzene	10	---	<13.3	<13.6	**20.3**	**19.2**	**25.3**	---	1.33	---
Bromobenzene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Bromochloromethane	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Bromodichloromethane	17	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Bromoform	650	---	<106	<108	<4.57	<4.34	< 1.72	---	< 1.2	---
Bromomethane	2	---	<133	<136	<5.71	<5.42	< 2.15	---	< 0.61	---
Carbon disulfide	190	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Carbon tetrachloride	0.9	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
Chlorobenzene	32	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Chloroethane	3000	---	<53.1	<54.2	<5.71	<5.42	< 2.15	---	< 0.61	---
Chloroform	4	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Chloromethane	23	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
cis-1,2-Dichloroethene	22	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
cis-1,3-Dichloropropene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Cyclohexane	NL	---	<53.1	<54.2	138	129	336	---	4.62	---
Dibromochloromethane	20	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Dibromomethane	1860	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Dichlorodifluoromethane	50	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Dichlorofluoromethane	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Diethyl ether (Ethyl ether)	NL	---	<133	<136	<2.29	<2.17	< 0.858	---	< 0.61	---
Diisopropyl ether	NL	---	<53.1	<54.2	91.1	83.1	< 215	---	2.38	---
Ethylbenzene	200	---	**373**	**613**	**554**	**493**	**774**	---	23.6	---
Hexachloro-1,3-butadiene	37	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
Iodomethane	NL	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.61	---
Isopropylbenzene (Cumene)	87	---	<53.1	<54.2	15.8	14.5	21.2	---	0.474	---
m&p-Xylene	NL	---	736	1250	1510	1330	1750	---	53.9	---
Methyl-tert-butyl ether	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Methylene Chloride	158	---	<53.1	<54.2	<2.29	<2.17	< 0.858	---	< 0.25	---
n-Butylbenzene	92	---	<53.1	<54.2	57.8	53.1	**96.4**	---	2.54	---
n-Propylbenzene	93	---	<53.1	<54.2	16.8	15.5	25.9	---	0.459	---
Naphthalene	28	---	<53.1	<54.2	**53.5**	**53.8**	< 215	---	3.51	---
o-Xylene	NL	---	273	468	567	505	653	---	20.8	---
p-Isopropyltoluene	NL	---	<53.1	<54.2	14.1	13.2	32.8	---	0.448	---
sec-Butylbenzene	70	---	<53.1	<54.2	9.64	8.92	21.9	---	0.340	---
Styrene	600	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
tert-Butylbenzene	90	---	<53.1	<54.2	<0.571	<0.542	1.14	---	< 0.25	---
Tetrachloroethene	131	---	<53.1	<54.2	10.5	9.94	61.6	---	0.551	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-15**	**B2-15**	**B2-16**
	Layer:	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
	Weston Sample ID:	**OKMN-SBC-B14RC-0-0040**	**OKMN SB SPB14 0 0065**	**OKMN SB SPB20 0 0070**	**OKMN-SB-B14C-0-0060**	**OKMN-SB-B14C-DB-0060**	**OKMN-SB-B14RC-0-0050**	**OKMN SBC SPB15 0 0040**	**OKMN SB SPB15 0 0045**	**OKMN SBC SPB16 0 0040**
	Sample Location:	**B14RC**	**SPB14**	**SPB20**	**B14C**	**B14C**	**B14RC**	**SPB15**	**SPB15**	**SPB16**
	Sample Type:	**Composite**	**Grab**	**Grab**	**Grab**	**Grab (Duplicate)**	**Grab**	**Composite**	**Grab**	**Composite**
	Sample Depth:	**4 - 9 ft bgs**	**6.5 ft bgs**	**7.0 ft bgs**	**6.0 ft bgs**	**6.0 ft bgs**	**5.0 ft bgs**	**4 - 8 ft bgs**	**4.5 ft bgs**	**4- 8 ft bgs**
	Sample Date:	**16-Nov-10**	**17-Jun-09**	**17-Jun-09**	**22-Jul-10**	**22-Jul-10**	**16-Nov-10**	**18-Jun-09**	**18-Jun-09**	**18-Jun-09**
Tetrahydrofuran	NL	---	<531	<542	<5.71	<5.42	< 2.15	---	< 2.5	---
Toluene	305	---	**2370**	**3610**	**3010**	**2760**	**4410**	---	184	---
trans-1,2-Dichloroethene	33	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
trans-1,3-Dichloropropene	NL	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
trans-1,4-Dichloro-2-butene	NL	---	<133	<136	<5.71	<5.42	< 2.15	---	< 0.61	---
Trichloroethene	46	---	<53.1	<54.2	**62.8**	**59.2**	**121**	---	3.65	---
Trichlorofluoromethane	195	---	<53.1	<54.2	<0.571	<0.542	< 0.215	---	< 0.25	---
Vinyl acetate	NL	---	<53.1	<54.2	<5.71	<5.42	< 2.15	---	< 0.25	---
Vinyl chloride	2.2	---	<13.3	<13.6	0.260	0.273	0.736	---	< 0.061	---
Xylene (Total)	130	---	**1010**	**1720**	**2070**	**1830**	**2400**	---	74.7	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1221 (Aroclor 1221)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1232 (Aroclor 1232)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1242 (Aroclor 1242)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1248 (Aroclor 1248)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1254 (Aroclor 1254)	NL	---	---	---	---	---	---	6.76	---	9.47
PCB-1260 (Aroclor 1260)	NL	---	---	---	---	---	---	2.23	---	1.39
PCB-1262 (Aroclor 1262)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
PCB-1268 (Aroclor 1268)	NL	---	---	---	---	---	---	< 0.39	---	< 0.39
Total PCBs	50	---	---	---	---	---	---	8.99	---	10.9
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	< 0.05	---	---	---	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	**1.20**	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	< 0.05	---	---	---	---	---	---	---	---
2-Butanone (MEK), TCLP	200	13.8	---	---	---	---	---	---	---	---
Benzene, TCLP	0.5	0.189	---	---	---	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	< 0.05	---	---	---	---	---	---	---	---
Chlorobenzene, TCLP	100	< 0.05	---	---	---	---	---	---	---	---
Chloroform, TCLP	6	< 0.05	---	---	---	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	0.0925	---	---	---	---	---	---	---	---
Trichloroethene, TCLP	0.5	**0.555**	---	---	---	---	---	---	---	---
Vinyl chloride, TCLP	0.2	< 0.02	---	---	---	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	---	8.9	10.4	9.5	9.1	13	14.5	13.4	15.7

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-16	B2-17	B2-17 / B2-12	B2-17	B2-17	B2-17 / B2-12	B2-17	B2-18	B2-18
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SB SPB16 0 0050	OKMN SBC SPB17 0 0040	OKMN SBC SPB22 0 0040	OKMN-SBC-B17RC-0-0040	OKMN SB SPB17 0 0060	OKMN SB SPB22 0 0060	OKMN-SB-B17RC-0-0060	OKMN SBC SPB18 0 0040	OKMN SB SPB18 0 0055
	Sample Location:	SPB16	SPB17	SPB22[a]	B17RC	SPB17	SPB22[a]	B17RC	SPB18	SPB18
	Sample Type:	Grab	Composite	Composite	Composite	Grab	Grab	Grab	Composite	Grab
	Sample Depth:	5.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	5.5 ft bgs
	Sample Date:	18-Jun-09	18-Jun-09	18-Jun-09	15-Nov-10	18-Jun-09	18-Jun-09	15-Nov-10	18-Jun-09	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 0.23	---	---	---	< 0.22	0.446	< 0.226	---	< 0.23
1,1-Dichloroethene	60	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,1-Dichloropropene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,1,1-Trichloroethane	472	< 0.23	---	---	---	< 0.22	2.10	1.2	---	< 0.23
1,1,1,2-Tetrachloroethane	51	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,1,2-Trichloroethane	14	< 0.23	---	---	---	< 0.22	5.27	< 0.226	---	< 0.23
1,1,2-Trichlorotrifluoroethane	5430	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,1,2,2-Tetrachloroethane	6.5	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2-Dibromo-3-chloropropane	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2-Dibromoethane (EDB)	0.5	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2-Dichlorobenzene	75	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2-Dichloroethane	6	< 0.23	---	---	---	< 0.22	**12.8**	**10.7**	---	< 0.23
1,2-Dichloroethene (Total)	NL	< 0.45	---	---	---	< 0.45	< 0.45	< 0.905	---	< 0.45
1,2-Dichloropropane	6	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2,3-Trichlorobenzene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,2,3-Trichloropropane	NL	< 0.23	---	---	---	< 0.22	< 0.22	0.686	---	< 0.23
1,2,4-Trichlorobenzene	985	< 0.23	---	---	---	< 0.22	< 0.22	< 0.453	---	< 0.23
1,2,4-Trimethylbenzene	25	0.644	---	---	---	< 0.22	**57.8**	< 0.226	---	0.451
1,3-Dichlorobenzene	200	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,3-Dichloropropane	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
1,3,5-Trimethylbenzene	10	0.445	---	---	---	< 0.22	**11.9**	< 0.226	---	< 0.23
1,4-Dichlorobenzene	50	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
2-Butanone (MEK)	19000	< 0.56	---	---	---	< 0.56	82.4	< 0.905	---	7.81
2-Chloroethylvinyl ether	NL	< 2.8	---	---	---	< 2.8	< 2.8	< 2.26	---	< 2.8
2-Chlorotoluene	436	< 0.23	---	---	---	< 0.22	< 0.22	< 2.26	---	< 0.23
2-Hexanone	NL	< 0.56	---	---	---	< 0.56	< 0.56	< 0.226	---	< 0.57
2-Methylnaphthalene	369	< 0.23	---	---	---	< 0.22	1.61	< 2.26	---	< 0.23
2,2-Dichloropropane	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 1.13	---	< 0.23
4-Chlorotoluene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
4-Methyl-2-pentanone (MIBK)	9000	< 0.56	---	---	---	< 0.56	153	11.8	---	12.9
Acetone	1000	< 0.56	---	---	---	1.01	13.0	< 2.26	---	6.39
Acrolein	NL	< 2.3	---	---	---	< 2.2	< 2.2	< 2.26	---	< 2.3
Acrylonitrile	NL	< 2.3	---	---	---	< 2.2	< 2.2	< 2.26	---	< 2.3
Allyl chloride	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.905	---	< 0.23
Benzene	10	< 0.056	---	---	---	< 0.056	7.97	0.300	---	< 0.057
Bromobenzene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Bromochloromethane	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Bromodichloromethane	17	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Bromoform	650	< 1.1	---	---	---	< 1.1	< 1.1	< 1.81	---	< 1.1
Bromomethane	2	< 0.56	---	---	---	< 0.56	< 0.56	< 2.26	---	< 0.57
Carbon disulfide	190	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Carbon tetrachloride	0.9	< 0.23	---	---	---	< 0.22	< 0.22	< 0.905	---	< 0.23
Chlorobenzene	32	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Chloroethane	3000	< 0.56	---	---	---	< 0.56	< 0.56	< 2.26	---	< 0.57
Chloroform	4	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Chloromethane	23	< 0.23	---	---	---	< 0.22	< 0.22	< 0.905	---	< 0.23
cis-1,2-Dichloroethene	22	< 0.23	---	---	---	< 0.22	0.315	< 0.226	---	< 0.23
cis-1,3-Dichloropropene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Cyclohexane	NL	< 0.23	---	---	---	< 0.22	19.7	3.57	---	< 0.23
Dibromochloromethane	20	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Dibromomethane	1860	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Dichlorodifluoromethane	50	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Dichlorofluoromethane	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Diethyl ether (Ethyl ether)	NL	< 0.56	---	---	---	< 0.56	< 0.56	< 0.905	---	< 0.57
Diisopropyl ether	NL	< 0.23	---	---	---	< 0.22	5.08	< 0.905	---	8.07
Ethylbenzene	200	0.226	---	---	---	0.188	150	181	---	0.311
Hexachloro-1,3-butadiene	37	< 0.23	---	---	---	< 0.22	< 0.22	< 0.905	---	< 0.23
Iodomethane	NL	< 0.56	---	---	---	< 0.56	< 0.56	< 0.905	---	< 0.57
Isopropylbenzene (Cumene)	87	< 0.23	---	---	---	< 0.22	4.01	2.05	---	< 0.23
m&p-Xylene	NL	0.981	---	---	---	1.52	315	509	---	0.707
Methyl-tert-butyl ether	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.905	---	< 0.23
Methylene Chloride	158	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
n-Butylbenzene	92	0.662	---	---	---	< 0.22	14.9	2.08	---	< 0.23
n-Propylbenzene	93	< 0.23	---	---	---	< 0.22	4.86	3.30	---	< 0.23
Naphthalene	28	0.663	---	---	---	< 0.22	15.8	1.30	---	< 0.23
o-Xylene	NL	1.22	---	---	---	1.19	123	173	---	0.365
p-Isopropyltoluene	NL	< 0.23	---	---	---	< 0.22	3.74	< 0.226	---	< 0.23
sec-Butylbenzene	70	< 0.23	---	---	---	< 0.22	2.74	0.53	---	< 0.23
Styrene	600	< 0.23	---	---	---	< 0.22	2.76	< 0.226	---	< 0.23
tert-Butylbenzene	90	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Tetrachloroethene	131	< 0.23	---	---	---	< 0.22	2.71	0.99	---	< 0.23

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-16	B2-17	B2-17 / B2-12	B2-17	B2-17	B2-17 / B2-12	B2-17	B2-18	B2-18
	Layer:	2	2	2	2	2	2	2	2	2
	Weston Sample ID:	OKMN SB SPB16 0 0050	OKMN SBC SPB17 0 0040	OKMN SBC SPB22 0 0040	OKMN-SBC-B17RC-0-0040	OKMN SB SPB17 0 0060	OKMN SB SPB22 0 0060	OKMN-SB-B17RC-0-0060	OKMN SBC SPB18 0 0040	OKMN SB SPB18 0 0055
	Sample Location:	SPB16	SPB17	SPB22[a]	B17RC	SPB17	SPB22[a]	B17RC	SPB18	SPB18
	Sample Type:	Grab	Composite	Composite	Composite	Grab	Grab	Grab	Composite	Grab
	Sample Depth:	5.0 ft bgs	4 - 8 ft bgs	4 - 8 ft bgs	4 - 9 ft bgs	6.0 ft bgs	6.0 ft bgs	6.0 ft bgs	4 - 8 ft bgs	5.5 ft bgs
	Sample Date:	18-Jun-09	18-Jun-09	18-Jun-09	15-Nov-10	18-Jun-09	18-Jun-09	15-Nov-10	18-Jun-09	18-Jun-09
Tetrahydrofuran	NL	< 2.3	---	---	---	< 2.2	< 2.2	< 2.26	---	< 2.3
Toluene	305	0.566	---	---	---	0.867	**913**	281	---	2.05
trans-1,2-Dichloroethene	33	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
trans-1,3-Dichloropropene	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
trans-1,4-Dichloro-2-butene	NL	< 0.56	---	---	---	< 0.56	< 0.56	< 2.26	---	< 0.57
Trichloroethene	46	< 0.23	---	---	---	< 0.22	20.5	2.42	---	< 0.23
Trichlorofluoromethane	195	< 0.23	---	---	---	< 0.22	< 0.22	< 0.226	---	< 0.23
Vinyl acetate	NL	< 0.23	---	---	---	< 0.22	< 0.22	< 2.26	---	< 0.23
Vinyl chloride	2.2	< 0.056	---	---	---	< 0.056	< 0.056	< 0.0905	---	< 0.057
Xylene (Total)	130	2.20	---	---	---	2.72	**439**	**682**	---	1.07
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1221 (Aroclor 1221)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1232 (Aroclor 1232)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1242 (Aroclor 1242)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1248 (Aroclor 1248)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1254 (Aroclor 1254)	NL	---	1.87	16.4	---	---	---	---	< 0.038	---
PCB-1260 (Aroclor 1260)	NL	---	0.311	3.60	---	---	---	---	< 0.038	---
PCB-1262 (Aroclor 1262)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
PCB-1268 (Aroclor 1268)	NL	---	< 0.073	< 1.8	---	---	---	---	< 0.038	---
Total PCBs	50	---	2.18	20.0	---	---	---	---	< 0.038	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	< 0.05	---	---	---	---	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	< 0.05	---	---	---	---	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	< 0.05	---	---	---	---	---
2-Butanone (MEK), TCLP	200	---	---	---	< 0.2	---	---	---	---	---
Benzene, TCLP	0.5	---	---	---	< 0.05	---	---	---	---	---
Carbon tetrachloride, TCLP	0.5	---	---	---	< 0.05	---	---	---	---	---
Chlorobenzene, TCLP	100	---	---	---	< 0.05	---	---	---	---	---
Chloroform, TCLP	6	---	---	---	< 0.05	---	---	---	---	---
Tetrachloroethene, TCLP	0.7	---	---	---	< 0.05	---	---	---	---	---
Trichloroethene, TCLP	0.5	---	---	---	< 0.05	---	---	---	---	---
Vinyl chloride, TCLP	0.2	---	---	---	< 0.02	---	---	---	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	< 0.05	---
Barium, TCLP	100	---	---	---	---	---	---	---	0.550	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	< 0.005	---
Chromium, TCLP	5	---	---	---	---	---	---	---	< 0.05	---
Lead, TCLP	5	---	---	---	---	---	---	---	0.0170	---
Selenium, TCLP	1	---	---	---	---	---	---	---	< 0.075	---
Silver, TCLP	5	---	---	---	---	---	---	---	< 0.05	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	< 0.0008	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	< 0.025	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	< 100	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	>210	---
Percent Moisture (%)										
Percent Moisture	NL	14.7	10.1	9.0	---	9.5	9.0	7.5	12.4	16.1

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-19	B2-19	B2-19	B2-19	B2-19	B3-1	B3-1	B3-2	B3-2
	Layer:	2	2	2	2	2	3	3	3	3
	Weston Sample ID:	OKMN SBC SPB21 0 0040	OKMN SBC SPB19 0 0040	OKMN SBC SPB21 0 0070	OKMN SB SPB19 0 0070	OKMN-SB-B19C-0-0040	OKMN-SBC-B01RC-0-0090	OKMN-SB-B01RC-0-0120	OKMN-SBC-B02RC-0-0090	OKMN-SB-B02RC-0-0090
	Sample Location:	SPB21	SPB19	SPB21	SPB19	B19C	B01RC	B01RC	B02RC	B02RC
	Sample Type:	Composite	Composite	Grab	Grab	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	4 - 8 ft bgs	4 - 8 ft bgs	7.0 ft bgs	7.0 ft bgs	4.0 ft bgs	9 - 12.8 ft bgs	12.0 ft bgs	9 - 12.9 ft bgs	9.0 ft bgs
	Sample Date:	17-Jun-09	18-Jun-09	17-Jun-09	18-Jun-09	22-Jul-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1-Dichloroethene	60	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1-Dichloropropene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1,1-Trichloroethane	472	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1,1,2-Tetrachloroethane	51	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1,2-Trichloroethane	14	---	---	<2.3	< 0.23	2.36	---	< 0.061	---	< 0.29
1,1,2-Trichlorotrifluoroethane	5430	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,1,2,2-Tetrachloroethane	6.5	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2-Dibromo-3-chloropropane	NL	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
1,2-Dibromoethane (EDB)	0.5	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2-Dichlorobenzene	75	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2-Dichloroethane	6	---	---	<2.3	1.36	3.26	---	< 0.061	---	< 0.29
1,2-Dichloroethene (Total)	NL	---	---	<4.6	< 0.46	<1.05	---	< 0.122	---	< 0.581
1,2-Dichloropropane	6	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2,3-Trichlorobenzene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2,3-Trichloropropane	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2,4-Trichlorobenzene	985	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,2,4-Trimethylbenzene	25	---	---	**47.4**	< 0.23	8.88	---	< 0.061	---	21.4
1,3-Dichlorobenzene	200	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,3-Dichloropropane	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
1,3,5-Trimethylbenzene	10	---	---	9.04	< 0.23	2.03	---	< 0.061	---	4.71
1,4-Dichlorobenzene	50	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
2-Butanone (MEK)	19000	---	---	299	296	<5.27	---	< 0.61	---	< 2.9
2-Chloroethylvinyl ether	NL	---	---	<5.75	< 2.9	<5.3	---	< 0.61	---	< 2.9
2-Chlorotoluene	436	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
2-Hexanone	NL	---	---	<5.75	< 0.57	<5.27	---	< 0.61	---	< 2.9
2-Methylnaphthalene	369	---	---	<2.3	< 0.23	<2.64	---	< 0.305	---	< 1.45
2,2-Dichloropropane	NL	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
4-Chlorotoluene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
4-Methyl-2-pentanone (MIBK)	9000	---	---	58.9	30.2	6.74	---	< 0.61	---	< 2.9
Acetone	1000	---	---	231	168	<5.27	---	< 0.61	---	< 2.9
Acrolein	NL	---	---	<23	< 2.3	<5.27	---	< 0.61	---	< 2.9
Acrylonitrile	NL	---	---	<23	< 2.3	<5.27	---	< 0.61	---	< 2.9
Allyl chloride	NL	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
Benzene	10	---	---	<0.575	0.0865	0.276	---	< 0.0244	---	0.449
Bromobenzene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Bromochloromethane	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Bromodichloromethane	17	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Bromoform	650	---	---	<4.6	< 1.2	<4.22	---	< 0.488	---	< 2.32
Bromomethane	2	---	---	<5.75	< 0.57	<5.27	---	< 0.61	---	< 2.9
Carbon disulfide	190	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Carbon tetrachloride	0.9	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
Chlorobenzene	32	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Chloroethane	3000	---	---	<2.3	< 0.57	<5.27	---	< 0.61	---	< 2.9
Chloroform	4	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Chloromethane	23	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
cis-1,2-Dichloroethene	22	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	0.553
cis-1,3-Dichloropropene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Cyclohexane	NL	---	---	21.6	0.279	8.94	---	< 0.244	---	18.2
Dibromochloromethane	20	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Dibromomethane	1860	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Dichlorodifluoromethane	50	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Dichlorofluoromethane	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Diethyl ether (Ethyl ether)	NL	---	---	<5.75	< 0.57	<2.11	---	< 0.244	---	< 1.16
Diisopropyl ether	NL	---	---	17.9	7.40	3.52	---	1.46	---	< 1.16
Ethylbenzene	200	---	---	21.8	2.27	37.6	---	< 0.061	---	1.4
Hexachloro-1,3-butadiene	37	---	---	<2.3	< 0.23	<2.11	---	< 0.244	---	< 1.16
Iodomethane	NL	---	---	<2.3	< 0.57	<2.11	---	< 0.244	---	< 1.16
Isopropylbenzene (Cumene)	87	---	---	<2.3	< 0.23	0.729	---	< 0.061	---	0.704
m&p-Xylene	NL	---	---	50.7	6.11	74.6	---	< 0.122	---	11.9
Methyl-tert-butyl ether	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Methylene Chloride	158	---	---	<2.3	0.290	<2.11	---	< 0.244	---	< 1.16
n-Butylbenzene	92	---	---	25.5	< 0.23	3.41	---	< 0.061	---	6.02
n-Propylbenzene	93	---	---	<2.3	< 0.23	0.915	---	< 0.061	---	0.785
Naphthalene	28	---	---	**28.6**	< 0.23	<2.11	---	< 0.244	---	3.93
o-Xylene	NL	---	---	22.2	1.97	28.6	---	< 0.061	---	12.4
p-Isopropyltoluene	NL	---	---	7.63	< 0.23	<0.527	---	< 0.061	---	< 0.29
sec-Butylbenzene	70	---	---	4.98	< 0.23	0.818	---	< 0.061	---	2.06
Styrene	600	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
tert-Butylbenzene	90	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Tetrachloroethene	131	---	---	<2.3	< 0.23	1.93	---	< 0.061	---	< 0.29

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B2-19	B2-19	B2-19	B2-19	B2-19	B3-1	B3-1	B3-2	B3-2
	Layer:	2	2	2	2	2	3	3	3	3
	Weston Sample ID:	OKMN SBC SPB21 0 0040	OKMN SBC SPB19 0 0040	OKMN SBC SPB21 0 0070	OKMN SB SPB19 0 0070	OKMN-SB-B19C-0-0040	OKMN-SBC-B01RC-0-0090	OKMN-SB-B01RC-0-0120	OKMN-SBC-B02RC-0-0090	OKMN-SB-B02RC-0-0090
	Sample Location:	SPB21	SPB19	SPB21	SPB19	B19C	B01RC	B01RC	B02RC	B02RC
	Sample Type:	Composite	Composite	Grab	Grab	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	4 - 8 ft bgs	4 - 8 ft bgs	7.0 ft bgs	7.0 ft bgs	4.0 ft bgs	9 - 12.8 ft bgs	12.0 ft bgs	9 - 12.9 ft bgs	9.0 ft bgs
	Sample Date:	17-Jun-09	18-Jun-09	17-Jun-09	18-Jun-09	22-Jul-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10
Tetrahydrofuran	NL	---	---	<23	< 2.3	<5.27	---	< 0.61	---	< 2.9
Toluene	305	---	---	295	11.7	123	---	< 0.061	---	17.2
trans-1,2-Dichloroethene	33	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
trans-1,3-Dichloropropene	NL	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
trans-1,4-Dichloro-2-butene	NL	---	---	<5.75	< 0.57	<5.27	---	< 0.61	---	< 2.9
Trichloroethene	46	---	---	<2.3	< 0.23	3.77	---	< 0.061	---	0.300
Trichlorofluoromethane	195	---	---	<2.3	< 0.23	<0.527	---	< 0.061	---	< 0.29
Vinyl acetate	NL	---	---	<2.3	< 0.23	<5.27	---	< 0.61	---	< 2.9
Vinyl chloride	2.2	---	---	<0.575	< 0.057	<0.211	---	< 0.0244	---	< 0.116
Xylene (Total)	130	---	---	72.9	8.10	103	---	< 0.183	---	24.3
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	4.3	0.301	---	---	---	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	1.83	0.107	---	---	---	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	<0.0962	< 0.036	---	---	---	---	---	---	---
Total PCBs	50	6.13	0.408	---	---	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	---	< 0.05	---	< 0.05	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	---	< 0.05	---	< 0.05	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	---	< 0.05	---	< 0.05	---
2-Butanone (MEK), TCLP	200	---	---	---	---	---	< 0.2	---	< 0.2	---
Benzene, TCLP	0.5	---	---	---	---	---	< 0.05	---	< 0.05	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	---	< 0.05	---	< 0.05	---
Chlorobenzene, TCLP	100	---	---	---	---	---	< 0.05	---	< 0.05	---
Chloroform, TCLP	6	---	---	---	---	---	< 0.05	---	< 0.05	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	---	< 0.05	---	< 0.05	---
Trichloroethene, TCLP	0.5	---	---	---	---	---	< 0.05	---	< 0.05	---
Vinyl chloride, TCLP	0.2	---	---	---	---	---	< 0.02	---	< 0.02	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	12.2	9.0	13.1	10.3	7.9	---	14.3	---	13.6

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-3	B3-3	B3-4	B3-4	B3-5	B3-5	B3-6	B3-6	B3-7
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SBC-B03RC-0-0090	OKMN-SB-B03RC-0-0120	OKMN-SBC-B04RC-0-0090	OKMN-SB-B04RC-0-0090	OKMN-SBC-B05RC-0-0090	OKMN-SB-B05RC-0-0100	OKMN-SBC-B06RC-0-0090	OKMN-SB-B06RC-0-0090	OKMN SBC SPB07 0 0080
	Sample Location:	B03RC	B03RC	B04RC	B04RC	B05RC	B05RC	B06RC	B06RC	SPB07
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	9 - 12.5 ft bgs	12.0 ft bgs	9 - 12.8 ft bgs	9.0 ft bgs	9 - 13.3 ft bgs	10.0 ft bgs	9 - 9.7 ft bgs	9.0 ft bgs	8 - 12 ft bgs
	Sample Date:	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	18-Jun-09
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	---	< 0.0547	---	< 0.265	---	0.487	---	1.34	---
1,1-Dichloroethene	60	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,1-Dichloropropene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,1,1-Trichloroethane	472	---	< 0.0547	---	< 0.265	---	0.459	---	< 0.256	---
1,1,1,2-Tetrachloroethane	51	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,1,2-Trichloroethane	14	---	< 0.0547	---	0.332	---	5.66	---	1.58	---
1,1,2-Trichlorotrifluoroethane	5430	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,1,2,2-Tetrachloroethane	6.5	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2-Dibromo-3-chloropropane	NL	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
1,2-Dibromoethane (EDB)	0.5	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2-Dichlorobenzene	75	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2-Dichloroethane	6	---	< 0.0547	---	0.487	---	**6.45**	---	**15.1**	---
1,2-Dichloroethene (Total)	NL	---	< 0.109	---	< 0.53	---	< 0.478	---	3.28	---
1,2-Dichloropropane	6	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2,3-Trichlorobenzene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2,3-Trichloropropane	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2,4-Trichlorobenzene	985	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,2,4-Trimethylbenzene	25	---	< 0.0547	---	6.00	---	**85.3**	---	**296**	---
1,3-Dichlorobenzene	200	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,3-Dichloropropane	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
1,3,5-Trimethylbenzene	10	---	< 0.0547	---	1.02	---	**19.3**	---	**57.7**	---
1,4-Dichlorobenzene	50	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
2-Butanone (MEK)	19000	---	< 0.547	---	9.69	---	52.0	---	< 128	---
2-Chloroethylvinyl ether	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
2-Chlorotoluene	436	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
2-Hexanone	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
2-Methylnaphthalene	369	---	< 0.274	---	2.22	---	3.480	---	6.14	---
2,2-Dichloropropane	NL	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
4-Chlorotoluene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
4-Methyl-2-pentanone (MIBK)	9000	---	< 0.547	---	19.6	---	< 149	---	< 128	---
Acetone	1000	---	< 0.547	---	2.93	---	7.30	---	25.4	---
Acrolein	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Acrylonitrile	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Allyl chloride	NL	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
Benzene	10	---	< 0.0219	---	< 0.106	---	4.150	---	4.88	---
Bromobenzene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Bromochloromethane	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Bromodichloromethane	17	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Bromoform	650	---	< 0.438	---	< 2.12	---	< 1.91	---	< 2.05	---
Bromomethane	2	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Carbon disulfide	190	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Carbon tetrachloride	0.9	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
Chlorobenzene	32	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Chloroethane	3000	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Chloroform	4	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Chloromethane	23	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
cis-1,2-Dichloroethene	22	---	< 0.0547	---	< 0.265	---	< 0.239	---	3.28	---
cis-1,3-Dichloropropene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Cyclohexane	NL	---	< 0.219	---	< 1.06	---	18.1	---	80.9	---
Dibromochloromethane	20	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Dibromomethane	1860	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Dichlorodifluoromethane	50	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Dichlorofluoromethane	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Diethyl ether (Ethyl ether)	NL	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
Diisopropyl ether	NL	---	< 0.219	---	< 1.06	---	12.1	---	77.5	---
Ethylbenzene	200	---	< 0.0547	---	1.98	---	195	---	87.3	---
Hexachloro-1,3-butadiene	37	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
Iodomethane	NL	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
Isopropylbenzene (Cumene)	87	---	< 0.0547	---	< 0.265	---	6.89	---	7.68	---
m&p-Xylene	NL	---	< 0.109	---	6.46	---	405	---	173	---
Methyl-tert-butyl ether	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Methylene Chloride	158	---	< 0.219	---	< 1.06	---	< 0.956	---	< 1.02	---
n-Butylbenzene	92	---	< 0.0547	---	3.58	---	23.7	---	89.8	---
n-Propylbenzene	93	---	< 0.0547	---	< 0.265	---	7.80	---	20.6	---
Naphthalene	28	---	< 0.219	---	11.7	---	24.2	---	**49.8**	---
o-Xylene	NL	---	< 0.0547	---	3.81	---	175	---	62.5	---
p-Isopropyltoluene	NL	---	< 0.0547	---	< 0.265	---	5.57	---	49.4	---
sec-Butylbenzene	70	---	< 0.0547	---	0.326	---	4.09	---	33.9	---
Styrene	600	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
tert-Butylbenzene	90	---	< 0.0547	---	< 0.265	---	< 0.239	---	1.18	---
Tetrachloroethene	131	---	< 0.0547	---	< 0.265	---	2.84	---	4.02	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-3	B3-3	B3-4	B3-4	B3-5	B3-5	B3-6	B3-6	B3-7
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SBC-B03RC-0-0090	OKMN-SB-B03RC-0-0120	OKMN-SBC-B04RC-0-0090	OKMN-SB-B04RC-0-0090	OKMN-SBC-B05RC-0-0090	OKMN-SB-B05RC-0-0100	OKMN-SBC-B06RC-0-0090	OKMN-SB-B06RC-0-0090	OKMN SBC SPB07 0 0080
	Sample Location:	B03RC	B03RC	B04RC	B04RC	B05RC	B05RC	B06RC	B06RC	SPB07
	Sample Type:	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite
	Sample Depth:	9 - 12.5 ft bgs	12.0 ft bgs	9 - 12.8 ft bgs	9.0 ft bgs	9 - 13.3 ft bgs	10.0 ft bgs	9 - 9.7 ft bgs	9.0 ft bgs	8 - 12 ft bgs
	Sample Date:	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	18-Jun-09
Tetrahydrofuran	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Toluene	305	---	< 0.0547	---	9.26	---	**999**	---	**948**	---
trans-1,2-Dichloroethene	33	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
trans-1,3-Dichloropropene	NL	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
trans-1,4-Dichloro-2-butene	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Trichloroethene	46	---	< 0.0547	---	0.293	---	20.4	---	19.7	---
Trichlorofluoromethane	195	---	< 0.0547	---	< 0.265	---	< 0.239	---	< 0.256	---
Vinyl acetate	NL	---	< 0.547	---	< 2.65	---	< 2.39	---	< 2.56	---
Vinyl chloride	2.2	---	< 0.0219	---	< 0.106	---	< 0.0956	---	< 0.102	---
Xylene (Total)	130	---	< 0.164	---	10.3	---	**580**	---	**235**	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1221 (Aroclor 1221)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1232 (Aroclor 1232)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1242 (Aroclor 1242)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1248 (Aroclor 1248)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1254 (Aroclor 1254)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1260 (Aroclor 1260)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1262 (Aroclor 1262)	NL	---	---	---	---	---	---	---	---	< 0.036
PCB-1268 (Aroclor 1268)	NL	---	---	---	---	---	---	---	---	< 0.036
Total PCBs	50	---	---	---	---	---	---	---	---	< 0.036
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
1,2-Dichloroethane, TCLP	0.5	< 0.05	---	< 0.05	---	**0.503**	---	< 0.05	---	---
1,4-Dichlorobenzene, TCLP	7.5	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
2-Butanone (MEK), TCLP	200	< 0.2	---	< 0.2	---	2.09	---	1.03	---	---
Benzene, TCLP	0.5	< 0.05	---	< 0.05	---	0.165	---	< 0.05	---	---
Carbon tetrachloride, TCLP	0.5	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
Chlorobenzene, TCLP	100	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
Chloroform, TCLP	6	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
Tetrachloroethene, TCLP	0.7	< 0.05	---	< 0.05	---	< 0.05	---	< 0.05	---	---
Trichloroethene, TCLP	0.5	< 0.05	---	< 0.05	---	**0.534**	---	< 0.05	---	---
Vinyl chloride, TCLP	0.2	< 0.02	---	< 0.02	---	< 0.02	---	< 0.02	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	---	13.2	---	12.8	---	12.6	---	16.4	8.3

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-7	B3-8	B3-8	B3-9	B3-9	B3-10	B3-10	B3-11	B3-11
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN SB SPB07 0 0105	OKMN-SBC-B08RC-0-0090	OKMN-SB-B08RC-0-0090	OKMN-SBC-B09RC-0-0090	OKMN-SB-B09RC-0-0090	OKMN SBC SPB10 0 0080	OKMN SB SPB10 0 0100	OKMN-SBC-B11RC-0-0090	OKMN-SB-B10C-0-0115
	Sample Location:	SPB07	B08RC	B08RC	B09RC	B09RC	SPB10	SPB10	B11RC	B10C
	Sample Type:	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	10.5 ft bgs	9 - 9.6 ft bgs	9.0 ft bgs	9 - 12.0 ft bgs	9.0 ft bgs	8 - 12 ft bgs	10.0 ft bgs	9 - 14.15 ft bgs	11.5 ft bgs
	Sample Date:	18-Jun-09	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	18-Jun-09	18-Jun-09	15-Nov-10	22-Jul-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,1-Dichloroethene	60	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,1-Dichloropropene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,1,1-Trichloroethane	472	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	2.25
1,1,1,2-Tetrachloroethane	51	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,1,2-Trichloroethane	14	< 2.1	---	< 0.0601	---	< 0.243	---	2.74	---	7.99
1,1,2-Trichlorotrifluoroethane	5430	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,1,2,2-Tetrachloroethane	6.5	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2-Dibromo-3-chloropropane	NL	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
1,2-Dibromoethane (EDB)	0.5	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2-Dichlorobenzene	75	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2-Dichloroethane	6	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	**10.1**
1,2-Dichloroethene (Total)	NL	< 4.3	---	< 0.12	---	< 0.485	---	< 4.6	---	<1.04
1,2-Dichloropropane	6	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2,3-Trichlorobenzene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2,3-Trichloropropane	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2,4-Trichlorobenzene	985	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,2,4-Trimethylbenzene	25	< 2.1	---	< 0.0601	---	6.52	---	**40.1**	---	**63.1**
1,3-Dichlorobenzene	200	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,3-Dichloropropane	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
1,3,5-Trimethylbenzene	10	< 2.1	---	< 0.0601	---	1.36	---	8.61	---	**15.4**
1,4-Dichlorobenzene	50	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
2-Butanone (MEK)	19000	48.2	---	< 0.601	---	3.79	---	38.3	---	40.6
2-Chloroethylvinyl ether	NL	< 26.7	---	< 0.601	---	< 2.43	---	< 29	---	<5.2
2-Chlorotoluene	436	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
2-Hexanone	NL	< 5.3	---	< 0.601	---	< 2.43	---	< 5.8	---	<5.21
2-Methylnaphthalene	369	< 2.1	---	< 0.3	---	< 1.21	---	< 2.3	---	4.78
2,2-Dichloropropane	NL	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
4-Chlorotoluene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
4-Methyl-2-pentanone (MIBK)	9000	8.74	---	< 0.601	---	13.5	---	27.6	---	92.7
Acetone	1000	33.4	---	< 0.601	---	3.33	---	12.3	---	10.9
Acrolein	NL	< 21.4	---	< 0.601	---	< 2.43	---	< 23.2	---	<5.21
Acrylonitrile	NL	< 21.4	---	< 0.601	---	< 2.43	---	< 23.2	---	<5.21
Allyl chloride	NL	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
Benzene	10	< 0.53	---	< 0.024	---	0.372	---	< 0.58	---	4.91
Bromobenzene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Bromochloromethane	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Bromodichloromethane	17	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Bromoform	650	< 10.7	---	< 0.481	---	< 1.94	---	< 11.6	---	<4.17
Bromomethane	2	< 5.3	---	< 0.601	---	< 2.43	---	< 5.8	---	<5.21
Carbon disulfide	190	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Carbon tetrachloride	0.9	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
Chlorobenzene	32	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Chloroethane	3000	< 5.3	---	< 0.601	---	< 2.43	---	< 5.8	---	<5.21
Chloroform	4	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Chloromethane	23	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
cis-1,2-Dichloroethene	22	< 2.1	---	< 0.0601	---	0.380	---	< 2.3	---	<0.521
cis-1,3-Dichloropropene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Cyclohexane	NL	< 2.1	---	< 0.24	---	7.87	---	4.30	---	29.7
Dibromochloromethane	20	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Dibromomethane	1860	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Dichlorodifluoromethane	50	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Dichlorofluoromethane	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Diethyl ether (Ethyl ether)	NL	< 5.3	---	< 0.24	---	< 0.97	---	< 5.8	---	<2.09
Diisopropyl ether	NL	4.21	---	< 0.24	---	1.94	---	< 2.3	---	8.03
Ethylbenzene	200	< 0.53	---	< 0.0601	---	8.78	---	122	---	168
Hexachloro-1,3-butadiene	37	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
Iodomethane	NL	< 5.3	---	< 0.24	---	< 0.97	---	< 5.8	---	<2.09
Isopropylbenzene (Cumene)	87	< 2.1	---	< 0.0601	---	0.307	---	3.40	---	5.76
m&p-Xylene	NL	< 1.1	---	< 0.12	---	18.0	---	279	---	369
Methyl-tert-butyl ether	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Methylene Chloride	158	< 2.1	---	< 0.24	---	< 0.97	---	< 2.3	---	<2.09
n-Butylbenzene	92	< 2.1	---	< 0.0601	---	1.99	---	14.4	---	23.8
n-Propylbenzene	93	< 2.1	---	< 0.0601	---	0.466	---	3.64	---	6.45
Naphthalene	28	< 2.1	---	< 0.24	---	< 0.97	---	13.9	---	**29.8**
o-Xylene	NL	< 0.53	---	< 0.0601	---	7.3	---	107	---	144
p-Isopropyltoluene	NL	< 2.1	---	< 0.0601	---	1.01	---	3.77	---	5.28
sec-Butylbenzene	70	< 2.1	---	< 0.0601	---	0.665	---	2.50	---	3.88
Styrene	600	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
tert-Butylbenzene	90	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Tetrachloroethene	131	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	4.38

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-7	B3-8	B3-8	B3-9	B3-9	B3-10	B3-10	B3-11	B3-11
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN SB SPB07 0 0105	OKMN-SBC-B08RC-0-0090	OKMN-SB-B08RC-0-0090	OKMN-SBC-B09RC-0-0090	OKMN-SB-B09RC-0-0090	OKMN SBC SPB10 0 0080	OKMN SB SPB10 0 0100	OKMN-SBC-B11RC-0-0090	OKMN-SB-B10C-0-0115
	Sample Location:	SPB07	B08RC	B08RC	B09RC	B09RC	SPB10	SPB10	B11RC	B10C
	Sample Type:	Grab	Composite	Grab	Composite	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	10.5 ft bgs	9 - 9.6 ft bgs	9.0 ft bgs	9 - 12.0 ft bgs	9.0 ft bgs	8 - 12 ft bgs	10.0 ft bgs	9 - 14.15 ft bgs	11.5 ft bgs
	Sample Date:	18-Jun-09	16-Nov-10	16-Nov-10	16-Nov-10	16-Nov-10	18-Jun-09	18-Jun-09	15-Nov-10	22-Jul-10
Tetrahydrofuran	NL	< 21.4	---	< 0.601	---	< 2.43	---	< 23.2	---	<5.21
Toluene	305	1.29	---	< 0.0601	---	99.3	---	56.0	---	**955**
trans-1,2-Dichloroethene	33	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
trans-1,3-Dichloropropene	NL	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
trans-1,4-Dichloro-2-butene	NL	< 5.3	---	< 0.601	---	< 2.43	---	< 5.8	---	<5.21
Trichloroethene	46	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	18.7
Trichlorofluoromethane	195	< 2.1	---	< 0.0601	---	< 0.243	---	< 2.3	---	<0.521
Vinyl acetate	NL	< 2.1	---	< 0.601	---	< 2.43	---	< 2.3	---	<5.21
Vinyl chloride	2.2	< 0.53	---	< 0.024	---	< 0.097	---	< 0.58	---	<0.209
Xylene (Total)	130	< 1.6	---	< 0.18	---	25.3	---	**385**	---	**513**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	---	---	---	2.07	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	---	---	---	0.489	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	---	---	---	< 0.19	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	---	---	---	< 0.19	---	---	---
Total PCBs	50	---	---	---	---	---	2.56	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
1,2-Dichloroethane, TCLP	0.5	---	< 0.05	---	< 0.05	---	---	---	0.0727	---
1,4-Dichlorobenzene, TCLP	7.5	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
2-Butanone (MEK), TCLP	200	---	< 0.2	---	< 0.2	---	---	---	1.02	---
Benzene, TCLP	0.5	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
Carbon tetrachloride, TCLP	0.5	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
Chlorobenzene, TCLP	100	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
Chloroform, TCLP	6	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
Tetrachloroethene, TCLP	0.7	---	< 0.05	---	< 0.05	---	---	---	< 0.05	---
Trichloroethene, TCLP	0.5	---	< 0.05	---	< 0.05	---	---	---	0.0558	---
Vinyl chloride, TCLP	0.2	---	< 0.02	---	< 0.02	---	---	---	< 0.02	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	7.8	---	10.7	---	13.4	11.7	9.3	12.3	9.1

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-11	B3-11	B3-12	B3-12 / B3-17	B3-12	B3-12	B3-12 / B3-17	B3-12	B3-13
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SB-B11C-0-0095	OKMN-SB-B11RC-0-0120	OKMN SBC SPB12 0 0080	OKMN SBC SPB22 0 0080	OKMN-SBC-B12RC-0-0090	OKMN SB SPB12 0 0100	OKMN SB SPB22 0 0095	OKMN-SB-B12RC-0-0090	OKMN-SBC-B13RC-0090
	Sample Location:	B11C	B11RC	SPB12	SPB22[a]	B12RC	SPB12	SPB22[a]	B12RC	B13RC
	Sample Type:	Grab	Grab	Composite	Composite	Composite	Grab	Grab	Grab	Composite
	Sample Depth:	9.5 ft bgs	12.0 ft bgs	8 - 12 ft bgs	8 - 12 ft bgs	9 - 13.5 ft bgs	10.0 ft bgs	9.5 ft bgs	9.0 ft bgs	9 - 13.4
	Sample Date:	22-Jul-10	15-Nov-10	17-Jun-09	18-Jun-09	15-Nov-10	17-Jun-09	18-Jun-09	15-Nov-10	16-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,1-Dichloroethene	60	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,1-Dichloropropene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,1,1-Trichloroethane	472	<0.522	< 10.4	---	---	---	<0.108	0.267	< 10.6	---
1,1,1,2-Tetrachloroethane	51	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,1,2-Trichloroethane	14	1.79	< 10.4	---	---	---	<0.108	6.98	< 10.6	---
1,1,2-Trichlorotrifluoroethane	5430	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,1,2,2-Tetrachloroethane	6.5	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,2-Dibromo-3-chloropropane	NL	<2.09	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,2-Dibromoethane (EDB)	0.5	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,2-Dichlorobenzene	75	<0.522	< 10.4	---	---	---	<0.108	0.302	< 10.6	---
1,2-Dichloroethane	6	3.78	**69.5**	---	---	---	<0.108	3.58	**35.50**	---
1,2-Dichloroethene (Total)	NL	<1.04	< 41.5	---	---	---	<0.217	< 0.46	< 42.4	---
1,2-Dichloropropane	6	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,2,3-Trichlorobenzene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,2,3-Trichloropropane	NL	<0.522	18.7	---	---	---	<0.108	< 0.23	< 10.6	---
1,2,4-Trichlorobenzene	985	<0.522	< 20.7	---	---	---	<0.108	< 0.23	< 21.2	---
1,2,4-Trimethylbenzene	25	12.6	< 10.4	---	---	---	<0.108	**139**	< 10.6	---
1,3-Dichlorobenzene	200	<0.522	14.8	---	---	---	<0.108	< 0.23	< 10.6	---
1,3-Dichloropropane	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
1,3,5-Trimethylbenzene	10	<0.522	< 10.4	---	---	---	<0.108	**30.3**	< 10.6	---
1,4-Dichlorobenzene	50	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
2-Butanone (MEK)	19000	39.2	< 41.5	---	---	---	<0.271	57.9	< 42.4	---
2-Chloroethylvinyl ether	NL	<5.2	< 104	---	---	---	<0.271	< 2.9	< 106	---
2-Chlorotoluene	436	<0.522	< 104	---	---	---	<0.108	< 0.23	< 106	---
2-Hexanone	NL	<5.22	< 10.4	---	---	---	<0.271	< 0.58	< 10.6	---
2-Methylnaphthalene	369	<2.61	< 104	---	---	---	<0.108	3.50	< 106	---
2,2-Dichloropropane	NL	<2.09	< 51.8	---	---	---	<0.108	< 0.23	< 53	---
4-Chlorotoluene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
4-Methyl-2-pentanone (MIBK)	9000	41.3	< 104	---	---	---	<0.271	121	< 106	---
Acetone	1000	12.7	< 104	---	---	---	<0.271	10.9	< 106	---
Acrolein	NL	<5.22	< 104	---	---	---	<1.08	< 2.3	< 106	---
Acrylonitrile	NL	<5.22	< 104	---	---	---	<1.08	< 2.3	< 106	---
Allyl chloride	NL	<2.09	< 41.5	---	---	---	<0.108	< 0.23	< 42.4	---
Benzene	10	0.306	6.4	---	---	---	<0.0271	1.88	< 4.24	---
Bromobenzene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Bromochloromethane	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Bromodichloromethane	17	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Bromoform	650	<4.18	< 82.9	---	---	---	<0.217	< 1.2	< 84.8	---
Bromomethane	2	<5.22	< 104	---	---	---	<0.271	< 0.58	< 106	---
Carbon disulfide	190	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Carbon tetrachloride	0.9	<2.09	< 41.5	---	---	---	<0.108	< 0.23	< 42.4	---
Chlorobenzene	32	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Chloroethane	3000	<5.22	< 104	---	---	---	<0.108	< 0.58	< 106	---
Chloroform	4	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Chloromethane	23	<2.09	< 41.5	---	---	---	<0.108	< 0.23	< 42.4	---
cis-1,2-Dichloroethene	22	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
cis-1,3-Dichloropropene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Cyclohexane	NL	<2.09	< 41.5	---	---	---	<0.108	3.44	< 42.4	---
Dibromochloromethane	20	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Dibromomethane	1860	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Dichlorodifluoromethane	50	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Dichlorofluoromethane	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Diethyl ether (Ethyl ether)	NL	<2.09	< 41.5	---	---	---	<0.271	< 0.58	< 42.4	---
Diisopropyl ether	NL	<2.09	< 41.5	---	---	---	0.248	1.26	< 42.4	---
Ethylbenzene	200	8.72	**229.0**	---	---	---	0.115	**306**	143	---
Hexachloro-1,3-butadiene	37	<2.09	< 41.5	---	---	---	<0.108	< 0.23	< 42.4	---
Iodomethane	NL	<2.09	< 41.5	---	---	---	<0.108	< 0.58	< 42.4	---
Isopropylbenzene (Cumene)	87	0.610	< 10.4	---	---	---	<0.108	9.08	< 10.6	---
m&p-Xylene	NL	67.2	507	---	---	---	0.295	697	295	---
Methyl-tert-butyl ether	NL	<0.522	< 41.5	---	---	---	<0.108	< 0.23	< 42.4	---
Methylene Chloride	158	<2.09	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
n-Butylbenzene	92	3.86	< 41.5	---	---	---	<0.108	39.9	< 42.4	---
n-Propylbenzene	93	<0.522	19.70	---	---	---	<0.108	9.80	< 10.6	---
Naphthalene	28	5.49	< 10.4	---	---	---	<0.108	**38.3**	< 10.6	---
o-Xylene	NL	35.2	197	---	---	---	0.112	281	104	---
p-Isopropyltoluene	NL	<0.522	< 10.4	---	---	---	<0.108	8.92	< 10.6	---
sec-Butylbenzene	70	0.626	< 10.4	---	---	---	<0.108	6.43	< 10.6	---
Styrene	600	<0.522	< 10.4	---	---	---	<0.108	2.93	< 10.6	---
tert-Butylbenzene	90	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Tetrachloroethene	131	1.08	< 10.4	---	---	---	<0.108	4.67	< 10.6	---

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B3-11**	**B3-11**	**B3-12**	**B3-12 / B3-17**	**B3-12**	**B3-12**	**B3-12 / B3-17**	**B3-12**	**B3-13**
	Layer:	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
	Weston Sample ID:	**OKMN-SB-B11C-0-0095**	**OKMN-SB-B11RC-0-0120**	**OKMN SBC SPB12 0 0080**	**OKMN SBC SPB22 0 0080**	**OKMN-SBC-B12RC-0-0090**	**OKMN SB SPB12 0 0100**	**OKMN SB SPB22 0 0095**	**OKMN-SB-B12RC-0-0090**	**OKMN-SBC-B13RC-0090**
	Sample Location:	**B11C**	**B11RC**	**SPB12**	**SPB22[a]**	**B12RC**	**SPB12**	**SPB22[a]**	**B12RC**	**B13RC**
	Sample Type:	**Grab**	**Grab**	**Composite**	**Composite**	**Composite**	**Grab**	**Grab**	**Grab**	**Composite**
	Sample Depth:	**9.5 ft bgs**	**12.0 ft bgs**	**8 - 12 ft bgs**	**8 - 12 ft bgs**	**9 - 13.5 ft bgs**	**10.0 ft bgs**	**9.5 ft bgs**	**9.0 ft bgs**	**9 - 13.4**
	Sample Date:	**22-Jul-10**	**15-Nov-10**	**17-Jun-09**	**18-Jun-09**	**15-Nov-10**	**17-Jun-09**	**18-Jun-09**	**15-Nov-10**	**16-Nov-10**
Tetrahydrofuran	NL	<5.22	< 104	---	---	---	<1.08	< 2.3	< 106	---
Toluene	305	112	**1080**	---	---	---	1.21	**1090**	**1060**	---
trans-1,2-Dichloroethene	33	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
trans-1,3-Dichloropropene	NL	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
trans-1,4-Dichloro-2-butene	NL	<5.22	< 104	---	---	---	<0.271	< 0.58	< 106	---
Trichloroethene	46	2.51	12.4	---	---	---	<0.108	8.51	13.50	---
Trichlorofluoromethane	195	<0.522	< 10.4	---	---	---	<0.108	< 0.23	< 10.6	---
Vinyl acetate	NL	<5.22	< 104	---	---	---	<0.108	< 0.23	< 106	---
Vinyl chloride	2.2	<0.209	< 4.15	---	---	---	<0.0271	< 0.058	< 4.24	---
Xylene (Total)	130	102	**704**	---	---	---	0.407	**977**	**399**	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	5.70	2.23	---	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	2.15	0.769	---	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	<0.193	< 0.19	---	---	---	---	---
Total PCBs	50	---	---	7.85	3.00	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	< 0.05	---	---	---	< 0.05
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	< 0.05	---	---	---	0.0618
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	< 0.05	---	---	---	< 0.05
2-Butanone (MEK), TCLP	200	---	---	---	---	0.239	---	---	---	4.49
Benzene, TCLP	0.5	---	---	---	---	< 0.05	---	---	---	< 0.05
Carbon tetrachloride, TCLP	0.5	---	---	---	---	< 0.05	---	---	---	< 0.05
Chlorobenzene, TCLP	100	---	---	---	---	< 0.05	---	---	---	< 0.05
Chloroform, TCLP	6	---	---	---	---	< 0.05	---	---	---	< 0.05
Tetrachloroethene, TCLP	0.7	---	---	---	---	< 0.05	---	---	---	< 0.05
Trichloroethene, TCLP	0.5	---	---	---	---	< 0.05	---	---	---	0.107
Vinyl chloride, TCLP	0.2	---	---	---	---	< 0.02	---	---	---	< 0.02
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Barium, TCLP	100	---	---	---	---	---	---	---	---	0.32
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	< 0.0050
Chromium, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Lead, TCLP	5	---	---	---	---	---	---	---	---	< 0.015
Selenium, TCLP	1	---	---	---	---	---	---	---	---	< 0.075
Silver, TCLP	5	---	---	---	---	---	---	---	---	< 0.050
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	< 0.0002
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	< 0.025
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	< 100
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	>210
Percent Moisture (%)										
Percent Moisture	NL	10.6	9.8	11.7	11.3	11.8	12.2	9.4	9.6	18.2

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-13	B3-14	B3-14	B3-14	B3-15	B3-15	B3-16	B3-16	B3-16
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SB-B13RC-0-0100	OKMN SBC SPB14 0 0080	OKMN SB SPB14 0 0115	OKMN-SB-B14C-0-0090	OKMN-SBC-B15RC-0-0090	OKMN-SB-B15RC-0-0090	OKMN-SBC-B16RC-0-0090	OKMN-SBC-B16RC-DB-009	OKMN-SB-B16RC-0-0130
	Sample Location:	B13RC	SPB14	SPB14	B14C	B15RC	B15RC	B16RC	B16RC	B16RC
	Sample Type:	Grab	Composite	Grab	Grab	Composite	Grab	Composite	Composite (Duplicate)	Grab
	Sample Depth:	10.0 ft bgs	8 - 12 ft bgs	11.5 ft bgs	9.0 ft bgs	9 - 13.5 ft bgs	9.0 ft bgs	9 - 13.4 ft bgs	9 - 13.4 ft bgs	13.0 ft bgs
	Sample Date:	16-Nov-10	17-Jun-09	17-Jun-09	22-Jul-10	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	1.13	---	<27.2	1.40	---	< 0.224	---	---	< 0.0595
1,1-Dichloroethene	60	< 0.222	---	<27.2	<0.518	---	3.34	---	---	< 0.0595
1,1-Dichloropropene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,1,1-Trichloroethane	472	1.05	---	<27.2	<0.518	---	7.64	---	---	< 0.0595
1,1,1,2-Tetrachloroethane	51	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,1,2-Trichloroethane	14	3.55	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,1,2-Trichlorotrifluoroethane	5430	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,1,2,2-Tetrachloroethane	6.5	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,2-Dibromo-3-chloropropane	NL	< 0.89	---	<27.2	<2.07	---	< 0.224	---	---	< 0.0595
1,2-Dibromoethane (EDB)	0.5	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,2-Dichlorobenzene	75	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,2-Dichloroethane	6	**13.3**	---	<27.2	**14.2**	---	**64.4**	---	---	1.42
1,2-Dichloroethene (Total)	NL	< 0.445	---	<54.5	<1.04	---	< 0.894	---	---	< 0.238
1,2-Dichloropropane	6	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,2,3-Trichlorobenzene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,2,3-Trichloropropane	NL	< 0.222	---	<27.2	<0.518	---	6.52	---	---	< 0.0595
1,2,4-Trichlorobenzene	985	< 0.222	---	<27.2	<0.518	---	< 0.447	---	---	< 0.119
1,2,4-Trimethylbenzene	25	**51.0**	---	**108**	**99.7**	---	< 0.224	---	---	< 0.0595
1,3-Dichlorobenzene	200	< 0.222	---	<27.2	<0.518	---	14.3	---	---	0.562
1,3-Dichloropropane	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
1,3,5-Trimethylbenzene	10	**11.4**	---	<27.2	**22.0**	---	< 0.224	---	---	< 0.0595
1,4-Dichlorobenzene	50	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
2-Butanone (MEK)	19000	< 139	---	<68.1	348	---	< 0.894	---	---	< 0.238
2-Chloroethylvinyl ether	NL	< 2.22	---	<68.1	<5.2	---	< 2.24	---	---	< 0.595
2-Chlorotoluene	436	< 0.222	---	<27.2	<0.518	---	< 2.24	---	---	< 0.595
2-Hexanone	NL	< 2.22	---	<68.1	<5.18	---	< 0.224	---	---	< 0.0595
2-Methylnaphthalene	369	2.33	---	<27.2	4.22	---	< 2.24	---	---	< 0.595
2,2-Dichloropropane	NL	< 0.89	---	<27.2	<2.07	---	3.95	---	---	< 0.297
4-Chlorotoluene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
4-Methyl-2-pentanone (MIBK)	9000	< 139	---	<68.1	<259	---	35.7	---	---	< 0.595
Acetone	1000	23.6	---	<68.1	140	---	< 2.24	---	---	< 0.595
Acrolein	NL	< 2.22	---	<272	<5.18	---	< 2.24	---	---	< 0.595
Acrylonitrile	NL	< 2.22	---	<272	<5.18	---	< 2.24	---	---	< 0.595
Allyl chloride	NL	< 0.89	---	<27.2	<2.07	---	< 0.894	---	---	< 0.238
Benzene	10	4.53	---	<6.81	7.89	---	3.11	---	---	< 0.0238
Bromobenzene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Bromochloromethane	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Bromodichloromethane	17	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Bromoform	650	< 1.78	---	<54.5	<4.14	---	< 1.79	---	---	< 0.476
Bromomethane	2	< 2.22	---	<68.1	<5.18	---	< 2.24	---	---	< 0.595
Carbon disulfide	190	< 0.222	---	<27.2	0.995	---	< 0.224	---	---	< 0.0595
Carbon tetrachloride	0.9	< 0.89	---	<27.2	<2.07	---	< 0.894	---	---	< 0.238
Chlorobenzene	32	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Chloroethane	3000	< 2.22	---	<27.2	<5.18	---	< 2.24	---	---	< 0.595
Chloroform	4	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Chloromethane	23	< 0.89	---	<27.2	<2.07	---	< 0.894	---	---	< 0.238
cis-1,2-Dichloroethene	22	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
cis-1,3-Dichloropropene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Cyclohexane	NL	80.9	---	166	<104	---	19.8	---	---	< 0.238
Dibromochloromethane	20	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Dibromomethane	1860	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Dichlorodifluoromethane	50	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Dichlorofluoromethane	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Diethyl ether (Ethyl ether)	NL	< 0.89	---	<68.1	<2.07	---	< 0.894	---	---	< 0.238
Diisopropyl ether	NL	20.4	---	<27.2	91.4	---	5.55	---	---	< 0.238
Ethylbenzene	200	166	---	143	150	---	**264**	---	---	1.120
Hexachloro-1,3-butadiene	37	< 0.89	---	<27.2	<2.07	---	< 0.894	---	---	< 0.238
Iodomethane	NL	< 0.89	---	<27.2	<2.07	---	< 0.894	---	---	< 0.238
Isopropylbenzene (Cumene)	87	3.75	---	<27.2	5.72	---	6.49	---	---	0.0599
m&p-Xylene	NL	310	---	287	314	---	639	---	---	3.960
Methyl-tert-butyl ether	NL	< 0.222	---	<27.2	<0.518	---	< 0.894	---	---	< 0.238
Methylene Chloride	158	< 0.89	---	<27.2	2.22	---	< 0.224	---	---	< 0.0595
n-Butylbenzene	92	17.9	---	<27.2	42.7	---	26.7	---	---	0.848
n-Propylbenzene	93	4.39	---	<27.2	9.53	---	28.8	---	---	< 0.0595
Naphthalene	28	12.0	---	<27.2	27.1	---	6.57	---	---	0.073
o-Xylene	NL	111	---	112	121	---	236	---	---	2.54
p-Isopropyltoluene	NL	6.38	---	<27.2	18.5	---	5.75	---	---	< 0.0595
sec-Butylbenzene	70	3.15	---	<27.2	12.5	---	3.92	---	---	< 0.0595
Styrene	600	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
tert-Butylbenzene	90	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Tetrachloroethene	131	1.20	---	<27.2	10.6	---	4.84	---	---	< 0.0595

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

Soil Block:		**B3-13**	**B3-14**	**B3-14**	**B3-14**	**B3-15**	**B3-15**	**B3-16**	**B3-16**	**B3-16**
Layer:		**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
Weston Sample ID:		**OKMN-SB-B13RC-0-0100**	**OKMN SBC SPB14 0 0080**	**OKMN SB SPB14 0 0115**	**OKMN-SB-B14C-0-0090**	**OKMN-SBC-B15RC-0-0090**	**OKMN-SB-B15RC-0-0090**	**OKMN-SBC-B16RC-0-0090**	**OKMN-SBC-B16RC-DB-009**	**OKMN-SB-B16RC-0-0130**
Sample Location:		**B13RC**	**SPB14**	**SPB14**	**B14C**	**B15RC**	**B15RC**	**B16RC**	**B16RC**	**B16RC**
Sample Type:		**Grab**	**Composite**	**Grab**	**Grab**	**Composite**	**Grab**	**Composite**	**Composite (Duplicate)**	**Grab**
Sample Depth:		**10.0 ft bgs**	**8 - 12 ft bgs**	**11.5 ft bgs**	**9.0 ft bgs**	**9 - 13.5 ft bgs**	**9.0 ft bgs**	**9 - 13.4 ft bgs**	**9 - 13.4 ft bgs**	**13.0 ft bgs**
Sample Date:		**16-Nov-10**	**17-Jun-09**	**17-Jun-09**	**22-Jul-10**	**15-Nov-10**	**15-Nov-10**	**15-Nov-10**	**15-Nov-10**	**15-Nov-10**
Tetrahydrofuran	NL	< 2.22	---	<272	<5.18	---	< 2.24	---	---	< 0.595
Toluene	305	**1300**	---	**1990**	**2710**	---	**1210**	---	---	2.60
trans-1,2-Dichloroethene	33	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
trans-1,3-Dichloropropene	NL	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
trans-1,4-Dichloro-2-butene	NL	< 2.22	---	<68.1	<5.18	---	< 2.24	---	---	< 0.595
Trichloroethene	46	37.9	---	<27.2	38.3	---	14.4	---	---	< 0.0595
Trichlorofluoromethane	195	< 0.222	---	<27.2	<0.518	---	< 0.224	---	---	< 0.0595
Vinyl acetate	NL	< 2.22	---	<27.2	<5.18	---	< 2.24	---	---	< 0.595
Vinyl chloride	2.2	< 0.089	---	<6.81	<0.207	---	< 0.0894	---	---	< 0.0238
Xylene (Total)	130	**422**	---	**398**	**435**	---	**874**	---	---	6.50
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	1.48	---	---	---	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	<0.205	---	---	---	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	2.93	---	---	---	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	<0.205	---	---	---	---	---	---	---
Total PCBs	50	---	4.41	---	---	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	---	---	< 0.05	---	< 0.05	< 0.05	---
1,2-Dichloroethane, TCLP	0.5	---	---	---	---	0.185	---	< 0.05	< 0.05	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	---	---	< 0.05	---	< 0.05	< 0.05	---
2-Butanone (MEK), TCLP	200	---	---	---	---	< 0.2	---	< 0.2	< 0.2	---
Benzene, TCLP	0.5	---	---	---	---	0.0815	---	< 0.05	< 0.05	---
Carbon tetrachloride, TCLP	0.5	---	---	---	---	< 0.05	---	< 0.05	< 0.05	---
Chlorobenzene, TCLP	100	---	---	---	---	< 0.05	---	< 0.05	< 0.05	---
Chloroform, TCLP	6	---	---	---	---	< 0.05	---	< 0.05	< 0.05	---
Tetrachloroethene, TCLP	0.7	---	---	---	---	0.0556	---	< 0.05	< 0.05	---
Trichloroethene, TCLP	0.5	---	---	---	---	0.352	---	< 0.05	< 0.05	---
Vinyl chloride, TCLP	0.2	---	---	---	---	< 0.02	---	< 0.02	< 0.02	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	---	---	---	---	---	---	---
Barium, TCLP	100	---	---	---	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	---	---	---	---	---	---	---
Chromium, TCLP	5	---	---	---	---	---	---	---	---	---
Lead, TCLP	5	---	---	---	---	---	---	---	---	---
Selenium, TCLP	1	---	---	---	---	---	---	---	---	---
Silver, TCLP	5	---	---	---	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	---	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	---	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	9.3	17	5.5	10.6	16.7	12.2	11.3	11.4	11.3

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-16	B3-17 / B3-12	B3-17	B3-17 / B3-12	B3-17	B3-18	B3-18	B3-19	B3-19
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SB-B16RC-DB-0130	OKMN SBC SPB22 0 0080	OKMN-SBC-B17RC-0-0090	OKMN SB SPB22 0 0095	OKMN-SB-B17RC-0-0090	OKMN-SBC-B18RC-0-0090	OKMN-SB-B18RC-0-0092	OKMN-SBC-B19RC-0-0090	OKMN-SB-B19RC-0-0100
	Sample Location:	B16RC	SPB22[a]	B17RC	SPB22[a]	B17RC	B18RC	B18RC	B19RC	B19RC
	Sample Type:	Grab (Duplicate)	Composite	Composite	Grab	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	13.0 ft bgs	8 - 12 ft bgs	9 - 10.4 ft bgs	9.5 ft bgs	9.0 ft bgs	9 - 9.2 ft bgs	9.2 ft bgs	9 - 11.7	10.0 ft bgs
	Sample Date:	15-Nov-10	18-Jun-09	15-Nov-10	18-Jun-09	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**									
1,1-Dichloroethane	55	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,1-Dichloroethene	60	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,1-Dichloropropene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,1,1-Trichloroethane	472	< 0.0543	---	---	0.267	< 0.0572	---	< 0.219	---	1.06
1,1,1,2-Tetrachloroethane	51	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,1,2-Trichloroethane	14	< 0.0543	---	---	6.98	< 0.0572	---	< 0.219	---	< 0.234
1,1,2-Trichlorotrifluoroethane	5430	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,1,2,2-Tetrachloroethane	6.5	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,2-Dibromo-3-chloropropane	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,2-Dibromoethane (EDB)	0.5	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,2-Dichlorobenzene	75	< 0.0543	---	---	0.302	< 0.0572	---	< 0.219	---	< 0.234
1,2-Dichloroethane	6	0.0949	---	---	3.58	0.20	---	< 0.219	---	**144**
1,2-Dichloroethene (Total)	NL	< 0.217	---	---	< 0.46	< 0.229	---	< 0.876	---	< 0.934
1,2-Dichloropropane	6	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,2,3-Trichlorobenzene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,2,3-Trichloropropane	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	4.81
1,2,4-Trichlorobenzene	985	< 0.109	---	---	< 0.23	< 0.114	---	< 0.438	---	< 0.467
1,2,4-Trimethylbenzene	25	< 0.0543	---	---	**139**	< 0.0572	---	< 0.219	---	< 0.234
1,3-Dichlorobenzene	200	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	37.2
1,3-Dichloropropane	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
1,3,5-Trimethylbenzene	10	< 0.0543	---	---	**30.3**	< 0.0572	---	< 0.219	---	< 0.234
1,4-Dichlorobenzene	50	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
2-Butanone (MEK)	19000	< 0.217	---	---	57.9	< 0.229	---	< 0.876	---	< 0.934
2-Chloroethylvinyl ether	NL	< 0.543	---	---	< 2.9	< 0.572	---	35.9	---	< 292
2-Chlorotoluene	436	< 0.543	---	---	< 0.23	< 0.572	---	< 2.19	---	< 2.34
2-Hexanone	NL	< 0.0543	---	---	< 0.58	< 0.0572	---	< 0.219	---	< 0.234
2-Methylnaphthalene	369	< 0.543	---	---	3.50	< 0.572	---	< 2.19	---	< 2.34
2,2-Dichloropropane	NL	< 0.272	---	---	< 0.23	< 0.286	---	< 1.09	---	4.58
4-Chlorotoluene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
4-Methyl-2-pentanone (MIBK)	9000	< 0.543	---	---	121	< 0.572	---	3.67	---	< 292
Acetone	1000	< 0.543	---	---	10.9	< 0.572	---	27.5	---	22.5
Acrolein	NL	< 0.543	---	---	< 2.3	< 0.572	---	< 2.19	---	< 2.34
Acrylonitrile	NL	< 0.543	---	---	< 2.3	< 0.572	---	< 2.19	---	< 2.34
Allyl chloride	NL	< 0.217	---	---	< 0.23	< 0.229	---	< 0.876	---	< 0.934
Benzene	10	< 0.0217	---	---	1.88	< 0.0229	---	< 0.0876	---	1.85
Bromobenzene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Bromochloromethane	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Bromodichloromethane	17	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Bromoform	650	< 0.435	---	---	< 1.2	< 0.457	---	< 1.75	---	< 1.87
Bromomethane	2	< 0.543	---	---	< 0.58	< 0.572	---	< 2.19	---	< 2.34
Carbon disulfide	190	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Carbon tetrachloride	0.9	< 0.217	---	---	< 0.23	< 0.229	---	< 0.876	---	< 0.934
Chlorobenzene	32	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Chloroethane	3000	< 0.543	---	---	< 0.58	< 0.572	---	< 2.19	---	< 2.34
Chloroform	4	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Chloromethane	23	< 0.217	---	---	< 0.23	< 0.229	---	< 0.876	---	< 0.934
cis-1,2-Dichloroethene	22	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
cis-1,3-Dichloropropene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Cyclohexane	NL	< 0.217	---	---	3.44	< 0.229	---	< 0.876	---	< 117
Dibromochloromethane	20	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Dibromomethane	1860	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Dichlorodifluoromethane	50	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Dichlorofluoromethane	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Diethyl ether (Ethyl ether)	NL	< 0.217	---	---	< 0.58	< 0.229	---	< 0.876	---	< 0.934
Diisopropyl ether	NL	< 0.217	---	---	1.26	< 0.229	---	1.49	---	21.5
Ethylbenzene	200	< 0.0543	---	---	**306**	0.935	---	< 0.219	---	194
Hexachloro-1,3-butadiene	37	< 0.217	---	---	< 0.23	< 0.229	---	< 0.876	---	< 0.934
Iodomethane	NL	< 0.217	---	---	< 0.58	< 0.229	---	< 0.876	---	< 0.934
Isopropylbenzene (Cumene)	87	< 0.0543	---	---	9.08	< 0.0572	---	< 0.219	---	7.74
m&p-Xylene	NL	0.195	---	---	697	3.04	---	< 0.438	---	394
Methyl-tert-butyl ether	NL	< 0.217	---	---	< 0.23	< 0.229	---	< 0.876	---	< 0.934
Methylene Chloride	158	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
n-Butylbenzene	92	< 0.217	---	---	39.9	< 0.229	---	1.30	---	49.5
n-Propylbenzene	93	0.072	---	---	9.80	0.0930	---	< 0.219	---	49.8
Naphthalene	28	< 0.0543	---	---	**38.3**	< 0.0572	---	< 0.219	---	14.7
o-Xylene	NL	0.12	---	---	281	1.20	---	< 0.219	---	138
p-Isopropyltoluene	NL	< 0.0543	---	---	8.92	< 0.0572	---	< 0.219	---	28.9
sec-Butylbenzene	70	< 0.0543	---	---	6.43	< 0.0572	---	< 0.219	---	20.8
Styrene	600	< 0.0543	---	---	2.93	< 0.0572	---	< 0.219	---	< 0.234
tert-Butylbenzene	90	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Tetrachloroethene	131	< 0.0543	---	---	4.67	< 0.0572	---	< 0.219	---	16.3

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B3-16	B3-17 / B3-12	B3-17	B3-17 / B3-12	B3-17	B3-18	B3-18	B3-19	B3-19
	Layer:	3	3	3	3	3	3	3	3	3
	Weston Sample ID:	OKMN-SB-B16RC-DB-0130	OKMN SBC SPB22 0 0080	OKMN-SBC-B17RC-0-0090	OKMN SB SPB22 0 0095	OKMN-SB-B17RC-0-0090	OKMN-SBC-B18RC-0-0090	OKMN-SB-B18RC-0-0092	OKMN-SBC-B19RC-0-0090	OKMN-SB-B19RC-0-0100
	Sample Location:	B16RC	SPB22[a]	B17RC	SPB22[a]	B17RC	B18RC	B18RC	B19RC	B19RC
	Sample Type:	Grab (Duplicate)	Composite	Composite	Grab	Grab	Composite	Grab	Composite	Grab
	Sample Depth:	13.0 ft bgs	8 - 12 ft bgs	9 - 10.4 ft bgs	9.5 ft bgs	9.0 ft bgs	9 - 9.2 ft bgs	9.2 ft bgs	9 - 11.7	10.0 ft bgs
	Sample Date:	15-Nov-10	18-Jun-09	15-Nov-10	18-Jun-09	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10
Tetrahydrofuran	NL	< 0.543	---	---	< 2.3	< 0.572	---	< 2.19	---	< 2.34
Toluene	305	0.136	---	---	**1090**	0.709	---	< 0.219	---	**3590**
trans-1,2-Dichloroethene	33	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
trans-1,3-Dichloropropene	NL	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
trans-1,4-Dichloro-2-butene	NL	< 0.543	---	---	< 0.58	< 0.572	---	< 2.19	---	< 2.34
Trichloroethene	46	< 0.0543	---	---	8.51	< 0.0572	---	< 0.219	---	15.6
Trichlorofluoromethane	195	< 0.0543	---	---	< 0.23	< 0.0572	---	< 0.219	---	< 0.234
Vinyl acetate	NL	< 0.543	---	---	< 0.23	< 0.572	---	< 2.19	---	< 2.34
Vinyl chloride	2.2	< 0.0217	---	---	< 0.058	< 0.0229	---	< 0.0876	---	< 0.0934
Xylene (Total)	130	0.32	---	---	**977**	4.24	---	< 0.657	---	**532**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**									
PCB-1016 (Aroclor 1016)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	2.23	---	---	---	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	0.769	---	---	---	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	< 0.19	---	---	---	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	< 0.19	---	---	---	---	---	---	---
Total PCBs	50	---	3.00	---	---	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**									
1,1-Dichloroethene, TCLP	0.7	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
1,2-Dichloroethane, TCLP	0.5	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
1,4-Dichlorobenzene, TCLP	7.5	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
2-Butanone (MEK), TCLP	200	---	---	< 0.2	---	---	0.356	---	2.6	---
Benzene, TCLP	0.5	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
Carbon tetrachloride, TCLP	0.5	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
Chlorobenzene, TCLP	100	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
Chloroform, TCLP	6	---	---	< 0.05	---	---	< 0.05	---	< 0.05	---
Tetrachloroethene, TCLP	0.7	---	---	< 0.05	---	---	< 0.05	---	0.0851	---
Trichloroethene, TCLP	0.5	---	---	< 0.05	---	---	< 0.05	---	0.0866	---
Vinyl chloride, TCLP	0.2	---	---	< 0.02	---	---	< 0.02	---	< 0.02	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**									
Arsenic, TCLP	5	---	---	< 0.050	---	---	---	---	---	---
Barium, TCLP	100	---	---	0.35	---	---	---	---	---	---
Cadmium, TCLP	1	---	---	< 0.0050	---	---	---	---	---	---
Chromium, TCLP	5	---	---	< 0.050	---	---	---	---	---	---
Lead, TCLP	5	---	---	< 0.015	---	---	---	---	---	---
Selenium, TCLP	1	---	---	< 0.075	---	---	---	---	---	---
Silver, TCLP	5	---	---	< 0.050	---	---	---	---	---	---
Mercury, TCLP	0.2	---	---	< 0.0002	---	---	---	---	---	---
Reactivity (mg/kg, ppm)										
Cyanide, Reactive	NL	---	---	< 0.025	---	---	---	---	---	---
Sulfide, Reactive	NL	---	---	< 100	---	---	---	---	---	---
Flashpoint (°F)										
Flashpoint	NL	---	---	>210	---	---	---	---	---	---
Percent Moisture (%)										
Percent Moisture	NL	10.7	11.3	9.8	9.4	11.4	---	11.6	---	10.4

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	B4-10	B4-10	B4-10	B4-10
	Layer:	4	4	4	4
	Weston Sample ID:	OKMN-SBC-B10RC-0-0140	OKMN-SBC-B10RC-DB-0140	OKMN-SB-B10RC-0-0150	OKMN-SB-B10RC-DB-0150
	Sample Location:	B10RC	B10RC	B10RC	B10RC
	Sample Type:	Composite	Composite (Duplicate)	Grab	Grab (Duplicate)
	Sample Depth:	14 - 16.6 ft bgs	14 - 16.6 ft bgs	15.0 ft bgs	15.0 ft bgs
	Sample Date:	15-Nov-10	15-Nov-10	15-Nov-10	15-Nov-10
Volatile Organic Compounds (mg/kg, ppm)	**Industrial SRV[1]**				
1,1-Dichloroethane	55	---	---	< 0.109	< 0.209
1,1-Dichloroethene	60	---	---	< 0.109	10.1
1,1-Dichloropropene	NL	---	---	0.151	< 0.209
1,1,1-Trichloroethane	472	---	---	< 0.109	14.2
1,1,1,2-Tetrachloroethane	51	---	---	< 0.109	< 0.209
1,1,2-Trichloroethane	14	---	---	< 0.109	0.75
1,1,2-Trichlorotrifluoroethane	5430	---	---	< 0.109	< 0.209
1,1,2,2-Tetrachloroethane	6.5	---	---	< 0.109	< 0.209
1,2-Dibromo-3-chloropropane	NL	---	---	< 0.109	< 0.209
1,2-Dibromoethane (EDB)	0.5	---	---	< 0.109	< 0.209
1,2-Dichlorobenzene	75	---	---	< 0.109	< 0.209
1,2-Dichloroethane	6	---	---	1.15	**90.3**
1,2-Dichloroethene (Total)	NL	---	---	< 0.434	< 0.837
1,2-Dichloropropane	6	---	---	< 0.109	< 0.209
1,2,3-Trichlorobenzene	NL	---	---	< 0.109	< 0.209
1,2,3-Trichloropropane	NL	---	---	< 0.109	13.7
1,2,4-Trichlorobenzene	985	---	---	< 0.217	< 0.418
1,2,4-Trimethylbenzene	25	---	---	< 0.109	< 0.209
1,3-Dichlorobenzene	200	---	---	0.211	20.6
1,3-Dichloropropane	NL	---	---	< 0.109	< 0.209
1,3,5-Trimethylbenzene	10	---	---	< 0.109	< 0.209
1,4-Dichlorobenzene	50	---	---	< 0.109	< 0.209
2-Butanone (MEK)	19000	---	---	< 0.434	< 0.837
2-Chloroethylvinyl ether	NL	---	---	1.25	25.0
2-Chlorotoluene	436	---	---	< 1.09	< 2.09
2-Hexanone	NL	---	---	< 0.109	< 0.209
2-Methylnaphthalene	369	---	---	< 1.09	< 2.09
2,2-Dichloropropane	NL	---	---	0.842	7.74
4-Chlorotoluene	NL	---	---	< 0.109	< 0.209
4-Methyl-2-pentanone (MIBK)	9000	---	---	2.07	< 261
Acetone	1000	---	---	< 1.09	3.96
Acrolein	NL	---	---	< 1.09	< 2.09
Acrylonitrile	NL	---	---	< 1.09	< 2.09
Allyl chloride	NL	---	---	< 0.434	< 0.837
Benzene	10	---	---	0.0487	7.54
Bromobenzene	NL	---	---	< 0.109	< 0.209
Bromochloromethane	NL	---	---	< 0.109	< 0.209
Bromodichloromethane	17	---	---	< 0.109	< 0.209
Bromoform	650	---	---	< 0.869	< 1.67
Bromomethane	2	---	---	< 1.09	< 2.09
Carbon disulfide	190	---	---	< 0.109	< 0.209
Carbon tetrachloride	0.9	---	---	< 0.434	< 0.837
Chlorobenzene	32	---	---	< 0.109	< 0.209
Chloroethane	3000	---	---	< 1.09	< 2.09
Chloroform	4	---	---	< 0.109	< 0.209
Chloromethane	23	---	---	< 0.434	< 0.837
cis-1,2-Dichloroethene	22	---	---	< 0.109	< 0.209
cis-1,3-Dichloropropene	NL	---	---	< 0.109	< 0.209
Cyclohexane	NL	---	---	< 0.434	39.50
Dibromochloromethane	20	---	---	< 0.109	< 0.209
Dibromomethane	1860	---	---	< 0.109	< 0.209
Dichlorodifluoromethane	50	---	---	< 0.109	< 0.209
Dichlorofluoromethane	NL	---	---	< 0.109	< 0.209
Diethyl ether (Ethyl ether)	NL	---	---	< 0.434	< 0.837
Diisopropyl ether	NL	---	---	< 0.434	13.1
Ethylbenzene	200	---	---	1.42	**267**
Hexachloro-1,3-butadiene	37	---	---	< 0.434	< 0.837
Iodomethane	NL	---	---	< 0.434	< 0.837
Isopropylbenzene (Cumene)	87	---	---	< 0.109	8.59
m&p-Xylene	NL	---	---	3.87	602
Methyl-tert-butyl ether	NL	---	---	< 0.434	< 0.837
Methylene Chloride	158	---	---	< 0.109	< 0.209
n-Butylbenzene	92	---	---	6.72	44.4
n-Propylbenzene	93	---	---	0.900	42.300
Naphthalene	28	---	---	< 0.109	8.92
o-Xylene	NL	---	---	1.93	231
p-Isopropyltoluene	NL	---	---	< 0.109	7.98
sec-Butylbenzene	70	---	---	< 0.109	5.65
Styrene	600	---	---	< 0.109	< 0.209
tert-Butylbenzene	90	---	---	< 0.109	< 0.209
Tetrachloroethene	131	---	---	< 0.109	6.190

Table 1: Oakdale Soil Boring Analytical Data - Disposal Profiling
All Data

	Soil Block:	**B4-10**	**B4-10**	**B4-10**	**B4-10**
	Layer:	**4**	**4**	**4**	**4**
	Weston Sample ID:	**OKMN-SBC-B10RC-0-0140**	**OKMN-SBC-B10RC-DB-0140**	**OKMN-SB-B10RC-0-0150**	**OKMN-SB-B10RC-DB-0150**
	Sample Location:	**B10RC**	**B10RC**	**B10RC**	**B10RC**
	Sample Type:	**Composite**	**Composite (Duplicate)**	**Grab**	**Grab (Duplicate)**
	Sample Depth:	**14 - 16.6 ft bgs**	**14 - 16.6 ft bgs**	**15.0 ft bgs**	**15.0 ft bgs**
	Sample Date:	**15-Nov-10**	**15-Nov-10**	**15-Nov-10**	**15-Nov-10**
Tetrahydrofuran	NL	---	---	< 1.09	< 2.09
Toluene	305	---	---	8.20	**1560**
trans-1,2-Dichloroethene	33	---	---	< 0.109	< 0.209
trans-1,3-Dichloropropene	NL	---	---	< 0.109	< 0.209
trans-1,4-Dichloro-2-butene	NL	---	---	< 1.09	< 2.09
Trichloroethene	46	---	---	0.130	32.5
Trichlorofluoromethane	195	---	---	< 0.109	< 0.209
Vinyl acetate	NL	---	---	< 1.09	< 2.09
Vinyl chloride	2.2	---	---	< 0.0434	< 0.0837
Xylene (Total)	130	---	---	5.80	**833**
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)	**Reg. Level[2]**				
PCB-1016 (Aroclor 1016)	NL	---	---	---	---
PCB-1221 (Aroclor 1221)	NL	---	---	---	---
PCB-1232 (Aroclor 1232)	NL	---	---	---	---
PCB-1242 (Aroclor 1242)	NL	---	---	---	---
PCB-1248 (Aroclor 1248)	NL	---	---	---	---
PCB-1254 (Aroclor 1254)	NL	---	---	---	---
PCB-1260 (Aroclor 1260)	NL	---	---	---	---
PCB-1262 (Aroclor 1262)	NL	---	---	---	---
PCB-1268 (Aroclor 1268)	NL	---	---	---	---
Total PCBs	50	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)	**Reg. Level[3]**				
1,1-Dichloroethene, TCLP	0.7	< 0.05	< 0.05	---	---
1,2-Dichloroethane, TCLP	0.5	< 0.05	< 0.05	---	---
1,4-Dichlorobenzene, TCLP	7.5	< 0.05	< 0.05	---	---
2-Butanone (MEK), TCLP	200	0.317	0.351	---	---
Benzene, TCLP	0.5	< 0.05	< 0.05	---	---
Carbon tetrachloride, TCLP	0.5	< 0.05	< 0.05	---	---
Chlorobenzene, TCLP	100	< 0.05	< 0.05	---	---
Chloroform, TCLP	6	< 0.05	< 0.05	---	---
Tetrachloroethene, TCLP	0.7	< 0.05	< 0.05	---	---
Trichloroethene, TCLP	0.5	< 0.05	0.0637	---	---
Vinyl chloride, TCLP	0.2	< 0.02	< 0.02	---	---
Metals, TCLP (mg/L, ppm)	**Reg. Level[3]**				
Arsenic, TCLP	5	---	---	---	---
Barium, TCLP	100	---	---	---	---
Cadmium, TCLP	1	---	---	---	---
Chromium, TCLP	5	---	---	---	---
Lead, TCLP	5	---	---	---	---
Selenium, TCLP	1	---	---	---	---
Silver, TCLP	5	---	---	---	---
Mercury, TCLP	0.2	---	---	---	---
Reactivity (mg/kg, ppm)					
Cyanide, Reactive	NL	---	---	---	---
Sulfide, Reactive	NL	---	---	---	---
Flashpoint (°F)					
Flashpoint	NL	---	---	---	---
Percent Moisture (%)					
Percent Moisture	NL	13.1	10.7	11.2	10.3

1

Notes:

ft bgs = Feet below ground surface.
--- = Sample not analyzed for corresponding compound.
All results reported on a "dry-weight basis".
[1] Tier 2 Industrial Soil Reference Values (SRV), MPCA, 9/06. Values shaded in GREY exceed the respective SRV.
[2] Toxic Substance Control Act (TSCA) reference level.
[3] Toxicity Characteristic Leaching Procedure EPA Hazardous Level. Values shaded in ORANGE exceed the respective regulatory level.
NL = No Tier 2 Industrial SRV Criteria, TSCA reference level, or TCLP regulatory level is listed for this compound.
NA = Not applicable.
[a] Borling location falls directly on the boarder of two soil blocks. Data is included twice on table (once with each soil block data gouping).

EX SITU SAMPLING RESULTS

Table 1: Drum Sampling Results - Soil Boring and Vent Cuttings
Oakdale Site

Stockpile Manifest ID:	DRUMS	DRUMS
Sample Type:	Composite	Grab
Block ID:	N/A	N/A
Sample ID:	OKMN-SBC-DRUMSA-0-110119	OKMN-SB-DRUMSB-0-110119
Laboratory ID:	10147600001	10147600002
Sample Date & Time:	1/19/2011 11:45	1/19/2011 11:45
Volatile Organic Compounds (mg/kg, ppm)		
1,1,1,2-Tetrachloroethane	---	< 0.277
1,1,1-Trichloroethane	---	< 0.277
1,1,2,2-Tetrachloroethane	---	0.438
1,1,2-Trichloroethane	---	< 0.277
1,1,2-Trichlorotrifluoroethane	---	< 0.277
1,1-Dichloroethane	---	< 0.277
1,1-Dichloroethene	---	< 0.277
1,1-Dichloropropene	---	< 0.277
1,2,3-Trichlorobenzene	---	< 0.277
1,2,3-Trichloropropane	---	< 1.11
1,2,4-Trichlorobenzene	---	< 0.277
1,2,4-Trimethylbenzene	---	0.646
1,2-Dibromo-3-chloropropane	---	< 1.11
1,2-Dibromoethane (EDB)	---	< 0.277
1,2-Dichlorobenzene	---	< 0.277
1,2-Dichloroethane	---	< 0.277
1,2-Dichloroethene (Total)	---	< 0.554
1,2-Dichloropropane	---	< 0.277
1,3,5-Trimethylbenzene	---	< 0.277
1,3-Dichlorobenzene	---	< 0.277
1,3-Dichloropropane	---	< 0.277
1,4-Dichlorobenzene	---	< 0.277
2,2-Dichloropropane	---	< 1.11
2-Butanone (MEK)	---	< 2.77
2-Chloroethylvinyl ether	---	< 2.77
2-Chlorotoluene	---	< 0.277
2-Hexanone	---	< 2.77
2-Methylnaphthalene	---	< 1.38
4-Chlorotoluene	---	< 0.277
4-Methyl-2-pentanone (MIBK)	---	< 2.77
Acetone	---	< 2.77
Acrolein	---	< 11.1
Acrylonitrile	---	< 11.1
Allyl chloride	---	< 1.11
Benzene	---	< 0.111
Bromobenzene	---	< 0.277
Bromochloromethane	---	< 0.277
Bromodichloromethane	---	< 0.277
Bromoform	---	< 2.21
Bromomethane	---	< 2.77
Carbon disulfide	---	< 0.277
Carbon tetrachloride	---	< 1.11
Chlorobenzene	---	< 0.277
Chloroethane	---	< 2.77
Chloroform	---	< 0.277
Chloromethane	---	< 1.11
cis-1,2-Dichloroethene	---	< 0.277
cis-1,3-Dichloropropene	---	< 0.277
Cyclohexane	---	< 1.11
Dibromochloromethane	---	< 0.277
Dibromomethane	---	< 0.277
Dichlorodifluoromethane	---	< 0.277
Dichlorofluoromethane	---	< 2.77
Diethyl ether (Ethyl ether)	---	< 1.11
Diisopropyl ether	---	< 1.11
Ethylbenzene	---	1.30
Hexachloro-1,3-butadiene	---	< 1.11
Iodomethane	---	< 1.11
Isopropylbenzene (Cumene)	---	< 0.277
m&p-Xylene	---	6.28
Methylene Chloride	---	< 1.11
Methyl-tert-butyl ether	---	< 0.277
Naphthalene	---	< 1.11
n-Butylbenzene	---	< 0.277
n-Propylbenzene	---	< 0.277
o-Xylene	---	0.966
p-Isopropyltoluene	---	< 0.277

Table 1: Drum Sampling Results - Soil Boring and Vent Cuttings
Oakdale Site

Stockpile Manifest ID:	DRUMS	DRUMS
Sample Type:	Composite	Grab
Block ID:	N/A	N/A
Sample ID:	OKMN-SBC-DRUMSA-0-110119	OKMN-SB-DRUMSB-0-110119
Laboratory ID:	10147600001	10147600002
Sample Date & Time:	1/19/2011 11:45	1/19/2011 11:45
Volatile Organic Compounds (mg/kg, ppm)		
sec-Butylbenzene	---	< 0.277
Styrene	---	< 0.277
tert-Butylbenzene	---	< 0.277
Tetrachloroethene	---	0.33
Tetrahydrofuran	---	< 11.1
Toluene	---	0.895
trans-1,2-Dichloroethene	---	< 0.277
trans-1,3-Dichloropropene	---	< 0.277
trans-1,4-Dichloro-2-butene	---	< 2.77
Trichloroethene	---	< 0.277
Trichlorofluoromethane	---	< 0.277
Vinyl acetate	---	< 2.77
Vinyl chloride	---	< 0.111
Xylene (Total)	---	7.25
Polychlorinated Biphenyls (mg/kg, ppm)		
PCB-1016 (Aroclor 1016)	< 0.0456	---
PCB-1221 (Aroclor 1221)	< 0.0456	---
PCB-1232 (Aroclor 1232)	< 0.0456	---
PCB-1242 (Aroclor 1242)	< 0.0456	---
PCB-1248 (Aroclor 1248)	< 0.0456	---
PCB-1254 (Aroclor 1254)	1.05	---
PCB-1260 (Aroclor 1260)	< 0.0456	---
PCB-1262 (Aroclor 1262)	< 0.0456	---
PCB-1268 (Aroclor 1268)	< 0.0456	---
Total PCBs	1.05	---
Volatile Organic Compounds, TCLP (mg/L, ppm)		
1,1-Dichloroethene, TCLP	< 0.05	---
1,2-Dichloroethane, TCLP	< 0.05	---
1,4-Dichlorobenzene, TCLP	< 0.05	---
2-Butanone (MEK), TCLP	< 0.2	---
Benzene, TCLP	< 0.05	---
Carbon tetrachloride, TCLP	< 0.2	---
Chlorobenzene, TCLP	< 0.05	---
Chloroform, TCLP	< 0.05	---
Tetrachloroethene, TCLP	< 0.05	---
Trichloroethene, TCLP	< 0.05	---
Vinyl chloride, TCLP	< 0.02	---
Metals, TCLP (mg/L, ppm)		
Arsenic, TCLP	< 0.05	---
Barium, TCLP	0.67	---
Cadmium, TCLP	0.028	---
Chromium, TCLP	< 0.05	---
Lead, TCLP	0.061	---
Selenium, TCLP	< 0.075	---
Silver, TCLP	< 0.05	---
Mercury, TCLP	< 0.0008	---
Reactivity (mg/kg, ppm)		---
Cyanide, Reactive	< 0.025	---
Sulfide, Reactive	< 100	---
Flashpoint (°F)		---
Flashpoint	>210	---
Percent Moisture (%)		
Percent Moisture	27.9	25.6

Table Notes:

All results reported on a "dry-weight basis"

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 1/25/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 1/25/2011.

Analytical data provided in Pace Analytical Services data package #10147600.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 2: Soil Block B1-10 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]	
Stockpile Manifest ID:	**B1-10 001-1**	**B1-10 001-2**
Sample Type:	**Grab**	**Grab**
Block ID:	**B1-10**	**B1-10**
Sample ID:	**OKMN-ES-B110001B-0-110121**	**OKMN-ES-B110001C-0-110121**
Laboratory ID:	**10147825001**	**10147825002**
Sample Date & Time:	**1/21/2011 11:06**	**1/21/2011 11:17**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	< 0.332	< 0.298
Percent Moisture (%)		
Percent Moisture	13.4	13.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 1/27/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 1/28/2011.

Analytical data provided in Pace Analytical Services data package #10147825.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 2: Soil Block B1-10 Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]	
Stockpile Manifest ID:	**B1-10 002-1**	**B1-10 002-2**
Sample Type:	**Grab**	**Grab**
Block ID:	**B1-10**	**B1-10**
Sample ID:	**OKMN-ES-B110002B-0-110121**	**OKMN-ES-B110002C-0-110121**
Laboratory ID:	**10147825003**	**10147825004**
Sample Date & Time:	**1/21/2011 11:20**	**1/21/2011 11:25**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	< 0.259	< 0.219
Percent Moisture (%)		
Percent Moisture	12.6	14.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 1/27/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 1/28/2011.

Analytical data provided in Pace Analytical Services data package #10147825.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 3: Soil Block B1-10 Stockpiles 003-005 Sampling Results
Oakdale Site

	Stockpile 003[1]		
Stockpile Manifest ID:	**B1-10 003-1**	**B1-10 003-1**	**B1-10 003-2**
Sample Type:	**Grab**	**Grab**	**Grab**
Block ID:	**B1-10**	**B1-10**	**B1-10**
Sample ID:	**OKMN-ES-B110003B-0-110126**	**OKMN-ES-B110003B-DB-110126**	**OKMN-ES-B110003C-0-110126**
Laboratory ID:	**10148116001**	**10148116002**	**10148116003**
Sample Date & Time:	**1/26/2011 13:35**	**1/26/2011 13:35**	**1/26/2011 13:40**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	< 0.286	< 0.258	0.149
Percent Moisture (%)			
Percent Moisture	14.1	15.9	10.5

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 2/1/2011.

Data tabulation QA'd by J. Savage of WESTON on 2/1/2011.

Analytical data provided in Pace Analytical Services data package #10148116.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 3: Soil Block B1-10 Stockpiles 003-005 Sampling Results
Oakdale Site

	Stockpile 004[1]		Stockpile 005
Stockpile Manifest ID:	**B1-10 004-1**	**B1-10 004-2**	**B1-10 005**
Sample Type:	**Grab**	**Grab**	**Grab**
Block ID:	**B1-10**	**B1-10**	**B1-10**
Sample ID:	**OKMN-ES-B110004B-0-110126**	**OKMN-ES-B110004C-0-110126**	**OKMN-ES-B110005B-0-110126**
Laboratory ID:	**10148116004**	**10148116005**	**10148116006**
Sample Date & Time:	**1/26/2011 13:50**	**1/26/2011 13:55**	**1/26/2011 14:05**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	< 0.254	< 0.286	1.4
Percent Moisture (%)			
Percent Moisture	13.9	11.3	9.7

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 2/1/2011.

Data tabulation QA'd by J. Savage of WESTON on 2/1/2011.

Analytical data provided in Pace Analytical Services data package #10148116.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 4: Soil Block B1-11 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			Stockpile 002[1]	
Stockpile Manifest ID:	**B1-11 001-1**	**B1-11 001-1**	**B1-11 001-2**	**B1-11 002-1**	**B1-11 002-2**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B1-11**	**B1-11**	**B1-11**	**B1-11**	**B1-11**
Sample ID:	**OKMN-ES-B111001B-0-110211**	**OKMN-ES-B111001B-DB-110211**	**OKMN-ES-B111001C-0-110211**	**OKMN-ES-B111002B-0-110211**	**OKMN-ES-B111002C-0-110211**
Laboratory ID:	**10149339001**	**10149339002**	**10149339003**	**10149339004**	**10149339005**
Sample Date & Time:	**2/11/2011 11:20**	**2/11/2011 11:20**	**2/11/2011 11:25**	**2/11/2011 11:45**	**2/11/2011 11:54**
Volatile Organic Compounds (mg/kg, ppm)					
1,2-Dichloroethane	1.52	2.53	2.53	< 0.267	1.96
Percent Moisture (%)					
Percent Moisture	13.5	12.6	16	15.9	15.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 2/16/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 2/16/2011.

Analytical data provided in Pace Analytical Services data package #10149339.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 5: Soil Block B1-11 Stockpile 003 Sampling Results
Oakdale Site

	Stockpile 003[1]	
Stockpile Manifest ID:	**B1-11 003-1**	**B1-11 003-2**
Sample Type:	**Grab**	**Grab**
Block ID:	**B1-11**	**B1-11**
Sample ID:	**OKMN-ES-B111003B-0-110216**	**OKMN-ES-B111003C-0-110216**
Laboratory ID:	**10149711001**	**10149711002**
Sample Date & Time:	**2/16/2011 12:22**	**2/16/2011 12:31**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	1.33	1.42
Percent Moisture (%)		
Percent Moisture	13.3	10.4

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 2/23/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 2/23/2011.

Analytical data provided in Pace Analytical Services data package #10149711.

A trip blank was not provided with these samples. Field and lab procedures have been modified to correct this.

All other QC was acceptable.

Table 6: Soil Block B1-11 Stockpile 004 Sampling Results
Oakdale Site

	Stockpile 004[1]	
Stockpile Manifest ID:	**B1-11 004-1**	**B1-11 004-2**
Sample Type:	**Grab**	**Grab**
Block ID:	**B1-11**	**B1-11**
Sample ID:	**OKMN-ES-B111004B-0-110224**	**OKMN-ES-B111004C-0-110224**
Laboratory ID:	**10150342001**	**10150342002**
Sample Date & Time:	**2/24/2011 8:52**	**2/24/2011 8:55**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	< 0.32	0.552
Percent Moisture (%)		
Percent Moisture	25.3	9.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/2/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/2/2011.

Analytical data provided in Pace Analytical Services data package #10150342.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 7: Soil Block B2-10 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			Stockpile 002[1]	
Stockpile Manifest ID:	**B2-10 001-1**	**B2-10 001-1**	**B2-10 001-2**	**B2-10 002-1**	**B2-10 002-2**
Sample Type:	**Grab**	**Grab - Duplicate**	**Grab**	**Grab**	**Grab**
Block ID:	**B2-10**	**B2-10**	**B2-10**	**B2-10**	**B2-10**
Sample ID:	**OKMN-ES-B210001B-0-110315**	**OKMN-ES-B210001B-DB-110315**	**OKMN-ES-B210001C-0-110315**	**OKMN-ES-B210002B-0-110315**	**OKMN-ES-B210002C-0-110315**
Laboratory ID:	**10151851003**	**10151851004**	**10151851005**	**10151851006**	**10151851007**
Sample Date & Time:	**3/15/2011 12:35**	**3/15/2011 12:35**	**3/15/2011 12:39**	**3/15/2011 12:46**	**3/15/2011 12:50**
Volatile Organic Compounds (mg/kg, ppm)					
1,2-Dichloroethane	< 0.231	< 0.241	< 0.216	< 0.247	< 0.238
Trichloroethene	0.634	1.1	5.79	2.13	0.812
Percent Moisture (%)					
Percent Moisture	11.5	11.4	13.5	9.9	11.4

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/21/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/21/2011.

Analytical data provided in Pace Analytical Services data package #10151851.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 8: Soil Block B2-10 Stockpiles 003-004 Sampling Results
Oakdale Site

	Stockpile 003[1]		Stockpile 004[1]	
Stockpile Manifest ID:	**B2-10 003-1**	**B2-10 003-2**	**B2-10 004-1**	**B2-10 004-2**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B2-10**	**B2-10**	**B2-10**	**B2-10**
Sample ID:	**OKMN-ES-B210003B-0-110316**	**OKMN-ES-B210003C-0-110316**	**OKMN-ES-B210004B-0-110316**	**OKMN-ES-B210004C-0-110316**
Laboratory ID:	**10151971002**	**10151971003**	**10151971004**	**10151971005**
Sample Date & Time:	**3/16/2011 12:35**	**3/16/2011 12:40**	**3/16/2011 12:45**	**3/16/2011 12:50**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	< 0.246	0.407	0.988	2.65
Trichloroethene	1.29	1.96	3.21	6.6
Percent Moisture (%)				
Percent Moisture	15.1	11.1	10.9	11.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/21/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/21/2011.

Analytical data provided in Pace Analytical Services data package #10151971.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 9: Soil Block B2-3 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			Stockpile 002
Stockpile Manifest ID:	**B2-3 001-1**	**B2-3 001-2**	**B2-3 001-2**	**B2-3 002-1**
Sample Type:	**Grab**	**Grab**	**Grab - Duplicate**	**Grab**
Block ID:	**B2-3**	**B2-3**	**B2-3**	**B2-3**
Sample ID:	**OKMN-ES-B203001B-0-110317**	**OKMN-ES-B203001C-0-110317**	**OKMN-ES-B203001C-DB-110317**	**OKMN-ES-B203002B-0-110317**
Laboratory ID:	**10152067002**	**10152067003**	**10152067004**	**10152067005**
Sample Date & Time:	**3/17/2011 11:34**	**3/17/2011 11:38**	**3/17/2011 11:38**	**3/17/2011 11:42**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	< 0.217	< 0.237	< 0.273	0.3
Percent Moisture (%)				
Percent Moisture	12.4	12.1	11.8	15.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/23/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/23/2011.

Analytical data provided in Pace Analytical Services data package #10152067.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 10: Soil Block B2-3 Stockpiles 002-004 and Soil Block B2-11 Stockpile Sampling Results
Oakdale Site

	Stockpile 002	Stockpile 003[1]		Stockpile 004
Stockpile Manifest ID:	**B2-3 002-2**	**B2-3 003-1**	**B2-3 003-2**	**B2-3 004**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B2-3**	**B2-3**	**B2-3**	**B2-3**
Sample ID:	**OKMN-ES-B203002C-0-110321**	**OKMN-ES-B203003B-0-110321**	**OKMN-ES-B203003C-0-110321**	**OKMN-ES-B203004B-0-110321**
Laboratory ID:	**10152334001**	**10152334002**	**10152334003**	**10152334004**
Sample Date & Time:	**3/21/2011 12:03**	**3/21/2011 12:05**	**3/21/2011 12:07**	**3/21/2011 12:19**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	1.6	0.605	0.808	1.21
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---
Total PCBs	---	---	---	---
Percent Moisture (%)				
Percent Moisture	12	11.7	10.8	12.5

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/25/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/25/2011.

Analytical data provided in Pace Analytical Services data package #10152334

Compounds were not detected in the trip blank at or above the reporting limit.

Table 10: Soil Block B2-3 Stockpiles 002-004 and Soil Block B2-11 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			
Stockpile Manifest ID:	**B2-11 001-1 & B2-11 001-2**	**B2-11 001-1 & B2-11 001-2**	**B2-11 001-1**	**B2-11 001-2**
Sample Type:	**Composite**	**Composite - Duplicate**	**Grab**	**Grab**
Block ID:	**B2-11**	**B2-11**	**B2-11**	**B2-11**
Sample ID:	**OKMN-ESC-B211001A-0-110321**	**OKMN-ESC-B211001A-DB-110321**	**OKMN-ES-B211001B-0-110321**	**OKMN-ES-B211001C-0-110321**
Laboratory ID:	**10152334005**	**10152334006**	**10152334007**	**10152334008**
Sample Date & Time:	**3/21/2011 12:21**	**3/21/2011 12:21**	**3/21/2011 12:23**	**3/21/2011 12:27**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	---	---	0.753	1.09
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	< 0.371	< 0.738	---	---
PCB-1221 (Aroclor 1221)	< 0.371	< 0.738	---	---
PCB-1232 (Aroclor 1232)	< 0.371	< 0.738	---	---
PCB-1242 (Aroclor 1242)	< 0.371	< 0.738	---	---
PCB-1248 (Aroclor 1248)	< 0.371	< 0.738	---	---
PCB-1254 (Aroclor 1254)	12.9	19.8	---	---
PCB-1260 (Aroclor 1260)	< 0.371	< 0.738	---	---
PCB-1262 (Aroclor 1262)	< 0.371	< 0.738	---	---
PCB-1268 (Aroclor 1268)	< 0.371	< 0.738	---	---
Total PCBs	12.9	19.8	---	---
Percent Moisture (%)				
Percent Moisture	11.3	11.2	11.2	11.8

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/25/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/25/2011.

Analytical data provided in Pace Analytical Services data package #10152334

Compounds were not detected in the trip blank at or above the reporting limit.

Table 11: Soil Block B2-11 Stockpiles 004-005 and Soil Block B3-15 Stockpile Sampling Results
Oakdale Site

	Stockpile 004[1]			Stockpile 005[1]	
Stockpile Manifest ID:	**B2-11 004-1 & B2-11 004-2**	**B2-11 004-1**	**B2-11 004-2**	**B2-11 005**	**B2-11 005**
Sample Type:	**Composite**	**Grab**	**Grab**	**Composite**	**Grab**
Block ID:	**B2-11**	**B2-11**	**B2-11**	**B2-11**	**B2-11**
Sample ID:	**OKMN-ESC-B211004A-0-110322**	**OKMN-ES-B211004B-0-110322**	**OKMN-ES-B211004C-0-110322**	**OKMN-ESC-B211005A-0-110322**	**OKMN-ES-B211005B-0-110322**
Laboratory ID:	**10152407005**	**10152407006**	**10152407007**	**10152407008**	**10152407009**
Sample Date & Time:	**3/22/2011 13:12**	**3/22/2011 13:15**	**3/22/2011 13:20**	**3/22/2011 13:25**	**3/22/2011 13:28**
Volatile Organic Compounds (mg/kg, ppm)					
1,2-Dichloroethane	---	5.16	0.962	---	0.491
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)					
PCB-1016 (Aroclor 1016)	< 1.83	---	---	< 0.369	---
PCB-1221 (Aroclor 1221)	< 1.83	---	---	< 0.369	---
PCB-1232 (Aroclor 1232)	< 1.83	---	---	< 0.369	---
PCB-1242 (Aroclor 1242)	< 1.83	---	---	< 0.369	---
PCB-1248 (Aroclor 1248)	< 1.83	---	---	< 0.369	---
PCB-1254 (Aroclor 1254)	42.5	---	---	11.1	---
PCB-1260 (Aroclor 1260)	< 1.83	---	---	< 0.369	---
PCB-1262 (Aroclor 1262)	< 1.83	---	---	< 0.369	---
PCB-1268 (Aroclor 1268)	< 1.83	---	---	< 0.369	---
Total PCBs	42.5	---	---	11.1	---
Percent Moisture (%)					
Percent Moisture	10.9	11.0	11.0	10.8	13.0

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/29/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/29/2011.

Analytical data provided in Pace Analytical Services data package #10152407.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 11: Soil Block B2-11 Stockpiles 004-005 and Soil Block B3-15 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		Stockpile 002[1]		Stockpile 003
Stockpile Manifest ID:	**B3-15 001-1**	**B3-15 001-2**	**B3-15 002-1**	**B3-15 002-2**	**B3-15 003-1**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B3-15**	**B3-15**	**B3-15**	**B3-15**	**B3-15**
Sample ID:	**OKMN-ES-B315001B-0-110322**	**OKMN-ES-B315001C-0-110322**	**OKMN-ES-B315002B-0-110322**	**OKMN-ES-B315002C-0-110322**	**OKMN-ES-B315003B-0-110322**
Laboratory ID:	**10152407012**	**10152407013**	**10152407014**	**10152407015**	**10152407016**
Sample Date & Time:	**3/22/2011 13:30**	**3/22/2011 13:35**	**3/22/2011 13:40**	**3/22/2011 13:45**	**3/22/2011 13:50**
Volatile Organic Compounds (mg/kg, ppm)					
1,2-Dichloroethane	2.87	3.43	< 0.243	< 0.246	0.58
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)					
PCB-1016 (Aroclor 1016)	---	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---	---
Total PCBs	---	---	---	---	---
Percent Moisture (%)					
Percent Moisture	20.4	16.7	23.0	17.6	17.5

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 3/29/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 3/29/2011.

Analytical data provided in Pace Analytical Services data package #10152407.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 12: Soil Block B2-11 Stockpile 002-2 Sampling Results
Oakdale Site

	Stockpile 002[1]	
Stockpile Manifest ID:	**B2-11 002-1 & B2-11 002-2**	**B2-11 002-2[2]**
Sample Type:	**Composite**	**Grab**
Block ID:	**B2-11**	**B2-11**
Sample ID:	**OKMN-ESC-B211002A-0-110321**	**OKMN-ES-B211002C-0-110330**
Laboratory ID:	**10152334009**	**10153116002**
Sample Date & Time:	**3/21/2011 12:42**	**3/30/2011 11:15**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	---	3.36
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)		
PCB-1016 (Aroclor 1016)	< 0.724	---
PCB-1221 (Aroclor 1221)	< 0.724	---
PCB-1232 (Aroclor 1232)	< 0.724	---
PCB-1242 (Aroclor 1242)	< 0.724	---
PCB-1248 (Aroclor 1248)	< 0.724	---
PCB-1254 (Aroclor 1254)	23.2	---
PCB-1260 (Aroclor 1260)	< 0.724	---
PCB-1262 (Aroclor 1262)	< 0.724	---
PCB-1268 (Aroclor 1268)	< 0.724	---
Total PCBs	23.2	---
Percent Moisture (%)		
Percent Moisture	9.8	10.7

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/5/2011.

Analytical data provided in Pace Analytical Services data packages #10152334; #10153116.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 13: Soil Block B2-17 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		Stockpile 002[1]	
Stockpile Manifest ID:	**B2-17 001-1**	**B2-17 001-2**	**B2-17 002-1**	**B2-17 002-2**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B2-17**	**B2-17**	**B2-17**	**B2-17**
Sample ID:	**OKMN-ES-B217001B-0-110404**	**OKMN-ES-B217001C-0-110404**	**OKMN-ES-B217002B-0-110404**	**OKMN-ES-B217002C-0-110404**
Laboratory ID:	**10153482001**	**10153482002**	**10153482003**	**10153482004**
Sample Date & Time:	**4/4/2011 9:00**	**4/4/2011 9:04**	**4/4/2011 9:07**	**4/4/2011 9:10**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	< 0.218	< 0.209	< 0.224	< 0.243
Percent Moisture (%)				
Percent Moisture	14.5	11.1	9.5	11.8

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/8/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/11/2011.

Analytical data provided in Pace Analytical Services data package #10153482.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 13: Soil Block B2-17 Stockpile Sampling Results
Oakdale Site

	Stockpile 003[1]		Stockpile 004[1]		
Stockpile Manifest ID:	**B2-17 003-1**	**B2-17 003-2**	**B2-17 004-1**	**B2-17 004-2**	**B2-17 004-2**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**	**Grab - Duplicate**
Block ID:	**B2-17**	**B2-17**	**B2-17**	**B2-17**	**B2-17**
Sample ID:	**OKMN-ES-B217003B-0-110404**	**OKMN-ES-B217003C-0-110404**	**OKMN-ES-B217004B-0-110404**	**OKMN-ES-B217004C-0-110404**	**OKMN-ES-B217004C-DB-110404**
Laboratory ID:	**10153482005**	**10153482006**	**10153482007**	**10153482008**	**10153482009**
Sample Date & Time:	**4/4/2011 9:19**	**4/4/2011 9:22**	**4/4/2011 9:26**	**4/4/2011 9:29**	**4/4/2011 9:29**
Volatile Organic Compounds (mg/kg, ppm)					
1,2-Dichloroethane	< 0.238	< 0.221	< 0.214	< 0.239	< 0.232
Percent Moisture (%)					
Percent Moisture	9.6	11.8	10.9	10.7	14.5

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/8/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/11/2011.

Analytical data provided in Pace Analytical Services data package #10153482.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 14: Soil Block B3-11 Stockpile Sampling Results
Oakdale Site

	Stockpile 001	Stockpile 002[1]		Stockpile 003[1]		Stockpile 004
Stockpile Manifest ID:	**B3-11 001-1**	**B3-11 002-1**	**B3-11 002-2**	**B3-11 003-1**	**B3-11 003-2**	**B3-11 004**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B3-11**	**B3-11**	**B3-11**	**B3-11**	**B3-11**	**B3-11**
Sample ID:	**OKMN-ES-B311001B-0-110406**	**OKMN-ES-B311002B-0-110406**	**OKMN-ES-B311002C-0-110406**	**OKMN-ES-B311003B-0-110406**	**OKMN-ES-B311003C-0-110406**	**OKMN-ES-B311004B-0-110406**
Laboratory ID:	**10153707001**	**10153707003**	**10153707004**	**10153707005**	**10153707006**	**10153707007**
Sample Date & Time:	**4/6/2011 10:45**	**4/6/2011 10:50**	**4/6/2011 11:00**	**4/6/2011 11:05**	**4/6/2011 11:08**	**4/6/2011 11:11**
Volatile Organic Compounds (mg/kg, ppm)						
1,2-Dichloroethane	2.81	3.26	0.482	0.301	1.58	0.31
Percent Moisture (%)						
Percent Moisture	11.5	12.0	14.0	13.0	14.7	17.8

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/13/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/13/2011.

Analytical data provided in Pace Analytical Services data package #10153707.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 15: Soil Block B2-11 Stockpiles 002-003 and Soil Block B3-15 Stockpile 003 Sampling Results
Oakdale Site

	Stockpile 002	Stockpile 003[1]		
Stockpile Manifest ID:	**B2-11 002-1[2]**	**B2-11 003-1[2]**	**B2-11 003-2[2]**	**B2-11 003-2[2]**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab - Duplicate**
Block ID:	**B2-11**	**B2-11**	**B2-11**	**B2-11**
Sample ID:	**OKMN-ES-B211002B-0-110408**	**OKMN-ES-B211003B-0-110408**	**OKMN-ES-B211003C-0-110408**	**OKMN-ES-B211003C-DB-110408**
Laboratory ID:	**10153984001**	**10153984002**	**10153984003**	**10153984004**
Sample Date & Time:	**4/8/2011 10:40**	**4/8/2011 10:20**	**4/8/2011 10:10**	**4/8/2011 10:10**
Volatile Organic Compounds (mg/kg, ppm)				
1,2-Dichloroethane	3.08	1.63	1.48	1.74
Percent Moisture (%)				
Percent Moisture	10.2	9.3	8.7	8.6

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/142011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/14/2011.

Analytical data provided in Pace Analytical Services data package #10153984.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 15: Soil Block B2-11 Stockpiles 002-003 and Soil Block B3-15 Stockpile 003 Sampling Results
Oakdale Site

	Stockpile 003
Stockpile Manifest ID:	**B3-15 003-2[2]**
Sample Type:	**Grab**
Block ID:	**B3-15**
Sample ID:	**OKMN-ES-B315003C-0-110408**
Laboratory ID:	**10153984005**
Sample Date & Time:	**4/8/2011 10:30**
Volatile Organic Compounds (mg/kg, ppm)	
1,2-Dichloroethane	1.29
Percent Moisture (%)	
Percent Moisture	14.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results reported on a "dry-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/142011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/14/2011.

Analytical data provided in Pace Analytical Services data package #10153984.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 16: Soil Block B2-5 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			
Stockpile Manifest ID:	**B2-5 001-1 & B2-5 001-2**	**B2-5 001-1 & B2-5 001-2**	**B2-5 001-1**	**B2-5 001-2**
Sample Type:	**Composite**	**Composite - Duplicate**	**Grab**	**Grab**
Block ID:	**B2-5**	**B2-5**	**B2-5**	**B2-5**
Sample ID:	**OKMN-ESC-B205001A-0-110414**	**OKMN-ESC-B205001A-DB-110414**	**OKMN-ES-B205001B-0-110414**	**OKMN-ES-B205001C-0-110414**
Laboratory ID:	**10154483001**	**10154483002**	**10154483003**	**10154483004**
Sample Date & Time:	**04/14/2011 12:29**	**04/14/2011 12:29**	**04/14/2011 12:31**	**04/14/2011 12:33**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	---	12.1	8.30
1,2-Dichloroethane	---	---	5.42	1.23
Trichloroethene	---	---	14.5	4.49
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	0.181	0.188	---	---
Trichloroethene, TCLP	0.361	0.366	---	---
Percent Moisture (%)				
Percent Moisture	---	---	12.7	11.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".
--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/20/2011.
Data tabulation QA'd by J. Savage of WESTON on 4/20/2011.
Analytical data provided in Pace Analytical Services data package #10154483.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 16: Soil Block B2-5 Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]		
Stockpile Manifest ID:	**B2-5 002-1 & B2-5 002-2**	**B2-5 002-1**	**B2-5 002-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-5**	**B2-5**	**B2-5**
Sample ID:	**OKMN-ESC-B205002A-0-110414**	**OKMN-ES-B205002B-0-110414**	**OKMN-ES-B205002C-0-110414**
Laboratory ID:	**10154483005**	**10154483006**	**10154483007**
Sample Date & Time:	**04/14/2011 12:42**	**04/14/2011 12:46**	**04/14/2011 12:48**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	11.4	7.84
1,2-Dichloroethane	---	4.35	3.22
Trichloroethene	---	12.4	9.01
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	0.136	---	---
Trichloroethene, TCLP	0.322	---	---
Percent Moisture (%)			
Percent Moisture	---	9.5	9.6

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/20/2011.

Data tabulation QA'd by J. Savage of WESTON on 4/20/2011.

Analytical data provided in Pace Analytical Services data package #10154483.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 16: Soil Block B2-5 Stockpile Sampling Results
Oakdale Site

	Stockpile 003[1]		
Stockpile Manifest ID:	**B2-5 003-1 & B2-5 003-2**	**B2-5 003-1**	**B2-5 003-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-5**	**B2-5**	**B2-5**
Sample ID:	**OKMN-ESC-B205003A-0-110414**	**OKMN-ES-B205003B-0-110414**	**OKMN-ES-B205003C-0-110414**
Laboratory ID:	**10154483008**	**10154483009**	**10154483010**
Sample Date & Time:	**04/14/2011 12:54**	**04/14/2011 13:01**	**04/14/2011 13:03**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	4.81	3.51
1,2-Dichloroethane	---	2.47	1.28
Trichloroethene	---	6.35	2.83
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	< 0.05	---	---
Trichloroethene, TCLP	0.0862	---	---
Percent Moisture (%)			
Percent Moisture	---	11.6	10.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/20/2011.

Data tabulation QA'd by J. Savage of WESTON on 4/20/2011.

Analytical data provided in Pace Analytical Services data package #10154483.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 17: Soil Block B2-13 005 and Soil Block B3-12
Stockpile Sampling Results
Oakdale Site

	Stockpile 005		Stockpile 001[1]		
Stockpile Manifest ID:	**B2-13 005**	**B2-13 005**	**B3-12**	**B3-12**	**B3-12**
Sample Type:	**Composite**	**Grab**	**Grab**	**Grab**	**Grab - Duplicate**
Block ID:	**B2-13**	**B2-13 005**	**B3-12 001-1**	**B3-12 001-2**	**B3-12 001-2**
Sample ID:	**OKMN-ESC-B213005A-0-110418**	**OKMN-ES-B213005B-0-110418**	**OKMN-ES-B312001B-0-110418**	**OKMN-ES-B312001C-0-110418**	**OKMN-ES-B312001C-DB-110418**
Laboratory ID:	**10154762007**	**10154762008**	**10154762009**	**10154762010**	**10154762011**
Sample Date & Time:	**04/18/2011 12:07**	**04/18/2011 12:10**	**04/18/2011 12:24**	**04/18/2011 12:26**	**04/18/2011 12:26**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	8.8	---	---	---
1,2-Dichloroethane	---	4.69	< 0.218	< 0.237	< 0.231
Trichloroethene	---	16.2	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
Trichloroethene, TCLP	0.137	---	---	---	---
Percent Moisture (%)					
Percent Moisture	---	11.5	12.0	14.5	15.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/22/2011.

Data tabulation QA'd by J. Savage of WESTON on 4/22/2011.

Analytical data provided in Pace Analytical Services data package #10154762.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 17: Soil Block B2-13 005 and Soil Block B3-12
Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]		Stockpile 003[1]	
Stockpile Manifest ID:	**B3-12**	**B3-12**	**B3-12**	**B3-12**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B3-12 002-1**	**B3-12 002-2**	**B3-12 003-1**	**B3-12 003-2**
Sample ID:	**OKMN-ES-B312002B-0-110418**	**OKMN-ES-B312002C-0-110418**	**OKMN-ES-B312003B-0-110418**	**OKMN-ES-B312003C-0-110418**
Laboratory ID:	**10154762012**	**10154762013**	**10154762014**	**10154762015**
Sample Date & Time:	**04/18/2011 12:38**	**04/18/2011 12:40**	**04/18/2011 12:51**	**04/18/2011 12:53**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	---	---	---
1,2-Dichloroethane	0.313	< 0.247	< 0.218	< 0.216
Trichloroethene	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
Trichloroethene, TCLP	---	---	---	---
Percent Moisture (%)				
Percent Moisture	12.5	14.5	14.2	12.8

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/22/2011.

Data tabulation QA'd by J. Savage of WESTON on 4/22/2011.

Analytical data provided in Pace Analytical Services data package #10154762.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 18: Soil Block B2-6 and Soil Block B3-11 001-2
Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		Stockpile 002[1]
Stockpile Manifest ID:	**B2-6 001-1**	**B2-6 001-2**	**B2-6 002-2**
Sample Type:	**Grab**	**Grab**	**Grab**
Block ID:	**B2-6**	**B2-6**	**B2-6**
Sample ID:	**OKMN-ES-B206001B-0-110419**	**OKMN-ES-B206001C-0-110419**	**OKMN-ES-B206002C-0-110419**
Laboratory ID:	**10154869001**	**10154869002**	**10154869004**
Sample Date & Time:	**04/19/2011 12:50**	**04/19/2011 12:53**	**04/19/2011 12:59**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	3.14	3.96	< 0.248
Percent Moisture (%)			
Percent Moisture	14.2	7.8	14.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results for grab samples reported on a "dry-weight basis".

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/22/2011.
Data tabulation QA'd by J. Savage of WESTON on 4/25/2011.
Analytical data provided in Pace Analytical Services data package #10154869.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 18: Soil Block B2-6 and Soil Block B3-11 001-2
Stockpile Sampling Results
Oakdale Site

	Stockpile 003[1]		
Stockpile Manifest ID:	**B2-6 003-1**	**B2-6 003-2**	**B2-6 003-2**
Sample Type:	**Grab**	**Grab**	**Grab - Duplicate**
Block ID:	**B2-6**	**B2-6**	**B2-6**
Sample ID:	**OKMN-ES-B206003B-0-110419**	**OKMN-ES-B206003C-0-110419**	**OKMN-ES-B206003C-DB-110419**
Laboratory ID:	**10154869005**	**10154869006**	**10154869007**
Sample Date & Time:	**04/19/2011 13:08**	**04/19/2011 13:11**	**04/19/2011 13:11**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	0.516	1.19	1.47
Percent Moisture (%)			
Percent Moisture	12.9	9.4	8.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results for grab samples reported on a "dry-weight basis".

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/22/2011.
Data tabulation QA'd by J. Savage of WESTON on 4/25/2011.
Analytical data provided in Pace Analytical Services data package #10154869.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 18: Soil Block B2-6 and Soil Block B3-11 001-2
Stockpile Sampling Results
Oakdale Site

	Stockpile 004[1]		Stockpile 001
Stockpile Manifest ID:	**B2-6 004-1**	**B2-6 004-2**	**B3-11 001-2[2]**
Sample Type:	**Grab**	**Grab**	**Grab**
Block ID:	**B2-6**	**B2-6**	**B3-11**
Sample ID:	**OKMN-ES-B206004B-0-110419**	**OKMN-ES-B206004C-0-110419**	**OKMN-ES-B311001C-0-110419**
Laboratory ID:	**10154869008**	**10154869009**	**10154869010**
Sample Date & Time:	**04/19/2011 13:14**	**04/19/2011 13:20**	**04/19/2011 13:23**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	4.92	4.89	< 0.210
Percent Moisture (%)			
Percent Moisture	10.2	10.1	9.5

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

All results for grab samples reported on a "dry-weight basis".

Data Notes:

Data tabulated by R. McLoughlin of WESTON on 4/22/2011.
Data tabulation QA'd by J. Savage of WESTON on 4/25/2011.
Analytical data provided in Pace Analytical Services data package #10154869.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 19: Soil Block B2-14 Stockpile 001-2 Sampling Results
Oakdale Site

	Stockpile 001[1]	
Stockpile Manifest ID:	**B2-14 001-1 & B2-14 001-2**	**B2-14 001-2**
Sample Type:	**Composite**	**Grab**
Block ID:	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214001A-0-110421**	**OKMN-ES-B214001C-0-110421**
Laboratory ID:	**10155185001**	**10155185003**
Sample Date & Time:	**4/21/2011 11:35**	**4/21/2011 11:50**
Volatile Organic Compounds (mg/kg, ppm)		
1,1,2-Trichloroethane	---	6.58
1,2-Dichloroethane	---	3.88
Trichloroethene	---	6.96
Volatile Organic Compounds, TCLP (mg/L, ppm)		
1,2-Dichloroethane, TCLP	0.21	---
Trichloroethene, TCLP	0.346	---
Percent Moisture (%)		
Percent Moisture	---	10.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 4/28/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 4/28/2011.

Analytical data provided in Pace Analytical Services data package #10155185.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 20: Soil Block B2-6 002; and Soil Block B2-13 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 002	Stockpile 001[1]	
Stockpile Manifest ID:	**B2-6 002-1[2]**	**B2-13 001-1[2]**	**B2-13 001-2[2]**
Sample Type:	**Grab**	**Composite**	**Composite**
Block ID:	**B2-6**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ES-B206002B-0-110427**	**OKMN-ESC-B213001D-0-110427**	**OKMN-ESC-B213001E-0-110427**
Laboratory ID:	**10155665005**	**10155665006**	**10155665008**
Sample Date & Time:	**4/27/2011 12:40**	**4/27/2011 12:50**	**4/27/2011 12:45**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	---	---
1,2-Dichloroethane	2.08	---	---
Trichloroethene	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	---	0.0636	0.246
Percent Moisture (%)			
Percent Moisture	14.1	---	---

Table Notes:

[1] Stockpile is staged in two separate sub-piles.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

[3] This VOC result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for Stockpile B2-13 001-1 (collected on 4/27/2011).

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/3/2011.

Data tabulation QA'd by J. Savage of WESTON on 5/3/2011.

Analytical data provided in Pace Analytical Services data package #10154600 & #10155665.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 20: Soil Block B2-6 002; and Soil Block B2-13 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]			
Stockpile Manifest ID:	**B2-13 001-1**	**B2-13 001-1**	**B2-13 001-1[2]**	**B2-13 001-2**
Sample Type:	**Grab**	**Grab - Duplicate**	**Grab**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ES-B213001B-0-110415**	**OKMN-ES-B213001B-DB-110415**	**OKMN-ES-B213001B-0-110427**	**OKMN-ES-B213001C-0-110415**
Laboratory ID:	**10154600002**	**10154600003**	**10155665007**	**10154600004**
Sample Date & Time:	**04/15/2011 11:27**	**04/15/2011 11:27**	**4/27/2011 12:55**	**04/15/2011 11:28**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	See Note 3	See Note 3	3.1	11.8
1,2-Dichloroethane	See Note 3	See Note 3	1.45	3.99
Trichloroethene	18.5	31.0	---	12.3
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	---	---	---	---
Trichloroethene, TCLP	---	---	---	---
Percent Moisture (%)				
Percent Moisture	8.3	9.9	11.4	11.1

Table Notes:

[1] Stockpile is staged in two separate sub-piles.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

[3] This VOC result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for Stockpile B2-13 001-1 (collected on 4/27/2011).

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/3/2011.

Data tabulation QA'd by J. Savage of WESTON on 5/3/2011.

Analytical data provided in Pace Analytical Services data package #10154600 & #10155665.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		
Stockpile Manifest ID:	**B3-5 001-1 & B3-5 001-2**	**B3-5 001-1**	**B3-5 001-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B3-5**	**B3-5**	**B3-5**
Sample ID:	**OKMN-ESC-B305001A-0-110429**	**OKMN-ES-B305001B-0-110429**	**OKMN-ES-B305001C-0-110429**
Laboratory ID:	**10155978003**	**10155978004**	**10155978005**
Sample Date & Time:	**4/29/2011 11:30**	**4/29/2011 11:35**	**4/29/2011 11:37**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	5.31	8.25
1,2-Dichloroethane	---	1.55	2.19
Trichloroethene	---	4.38	12.6
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	< 0.0402	---	---
PCB-1221 (Aroclor 1221)	< 0.0402	---	---
PCB-1232 (Aroclor 1232)	< 0.0402	---	---
PCB-1242 (Aroclor 1242)	< 0.0402	---	---
PCB-1248 (Aroclor 1248)	< 0.0402	---	---
PCB-1254 (Aroclor 1254)	3.1	---	---
PCB-1260 (Aroclor 1260)	1.11	---	---
PCB-1262 (Aroclor 1262)	< 0.0402	---	---
PCB-1268 (Aroclor 1268)	< 0.0402	---	---
Total PCBs	4.21	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	0.0694	---	---
Trichloroethene, TCLP	0.195	---	---
Percent Moisture (%)			
Percent Moisture	18.0	14.0	11.7

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]			Stockpile 003	
Stockpile Manifest ID:	**B3-5 002-1 & B3-5 002-2**	**B3-5 002-1**	**B3-5 002-2**	**B3-5 003**	**B3-5 003**
Sample Type:	**Composite**	**Grab**	**Grab**	**Composite**	**Grab**
Block ID:	**B3-5**	**B3-5**	**B3-5**	**B3-5**	**B3-5**
Sample ID:	**OKMN-ESC-B305002A-0-110429**	**OKMN-ES-B305002B-0-110429**	**OKMN-ESC-B305002C-0-110429**	**OKMN-ESC-B305003A-0-110429**	**OKMN-ES-B305003B-0-110429**
Laboratory ID:	**10155978006**	**10155978007**	**10155978008**	**10155978009**	**10155978010**
Sample Date & Time:	**4/29/2011 11:30**	**4/29/2011 11:35**	**4/29/2011 11:37**	**4/29/2011 12:05**	**4/29/2011 12:07**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	5.39	0.442	---	0.29
1,2-Dichloroethane	---	3.25	0.245	---	< 0.214
Trichloroethene	---	9.88	0.348	---	< 0.214
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)					
PCB-1016 (Aroclor 1016)	< 0.0391	---	---	< 0.0377	---
PCB-1221 (Aroclor 1221)	< 0.0391	---	---	< 0.0377	---
PCB-1232 (Aroclor 1232)	< 0.0391	---	---	< 0.0377	---
PCB-1242 (Aroclor 1242)	< 0.0391	---	---	< 0.0377	---
PCB-1248 (Aroclor 1248)	< 0.0391	---	---	< 0.0377	---
PCB-1254 (Aroclor 1254)	2.06	---	---	0.293	---
PCB-1260 (Aroclor 1260)	0.796	---	---	0.147	---
PCB-1262 (Aroclor 1262)	< 0.0391	---	---	< 0.0377	---
PCB-1268 (Aroclor 1268)	< 0.0391	---	---	< 0.0377	---
Total PCBs	2.856	---	---	0.44	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
1,2-Dichloroethane, TCLP	< 0.05	---	---	< 0.05	---
Trichloroethene, TCLP	0.0795	---	---	< 0.05	---
Percent Moisture (%)					
Percent Moisture	15.6	17.3	13.8	12.9	13.7

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		
Stockpile Manifest ID:	**B3-13 001-1 & B3-13 001-2**	**B3-13 001-1**	**B3-13 001-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B3-13**	**B3-13**	**B3-13**
Sample ID:	**OKMN-ESC-B313001A-0-110429**	**OKMN-ES-B313001B-0-110429**	**OKMN-ES-B313001C-0-110429**
Laboratory ID:	**10155978011**	**10155978012**	**10155978013**
Sample Date & Time:	**4/29/2011 12:25**	**4/29/2011 12:30**	**4/29/2011 12:32**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	0.642	0.716
1,2-Dichloroethane	---	0.478	0.457
Trichloroethene	---	0.485	1.22
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	< 0.0387	---	---
PCB-1221 (Aroclor 1221)	< 0.0387	---	---
PCB-1232 (Aroclor 1232)	< 0.0387	---	---
PCB-1242 (Aroclor 1242)	< 0.0387	---	---
PCB-1248 (Aroclor 1248)	< 0.0387	---	---
PCB-1254 (Aroclor 1254)	0.529	---	---
PCB-1260 (Aroclor 1260)	< 0.0387	---	---
PCB-1262 (Aroclor 1262)	0.55	---	---
PCB-1268 (Aroclor 1268)	< 0.0387	---	---
Total PCBs	1.079	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	---	---	---
Percent Moisture (%)			
Percent Moisture	15.0	18.3	15.3

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]			
Stockpile Manifest ID:	**B3-13 002-1 & B3-13 002-2**	**B3-13 002-1**	**B3-13 002-1**	**B3-13 002-2**
Sample Type:	**Composite**	**Grab**	**Grab - Duplicate**	**Grab**
Block ID:	**B3-13**	**B3-13**	**B3-13**	**B3-13**
Sample ID:	**OKMN-ESC-B313002A-0-110429**	**OKMN-ES-B313002B-0-110429**	**OKMN-ES-B313002B-DB-110429**	**OKMN-ES-B313002C-0-110429**
Laboratory ID:	**10155978014**	**10155978015**	**10155978016**	**10155978017**
Sample Date & Time:	**4/29/2011 12:25**	**4/29/2011 12:30**	**4/29/2011 12:30**	**4/29/2011 12:32**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	2.96	1.22	2.83
1,2-Dichloroethane	---	1.32	1.04	0.675
Trichloroethene	---	2.89	1.93	3.42
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	< 0.0397	---	---	---
PCB-1221 (Aroclor 1221)	< 0.0397	---	---	---
PCB-1232 (Aroclor 1232)	< 0.0397	---	---	---
PCB-1242 (Aroclor 1242)	< 0.0397	---	---	---
PCB-1248 (Aroclor 1248)	< 0.0397	---	---	---
PCB-1254 (Aroclor 1254)	1.42	---	---	---
PCB-1260 (Aroclor 1260)	< 0.0397	---	---	---
PCB-1262 (Aroclor 1262)	1.25	---	---	---
PCB-1268 (Aroclor 1268)	< 0.0397	---	---	---
Total PCBs	2.67	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	---	---	---	---
Trichloroethene, TCLP	---	---	---	---
Percent Moisture (%)				
Percent Moisture	17.2	22.3	23.5	17.2

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 003[1]		
Stockpile Manifest ID:	**B3-13 003-1 & B3-13 003-2**	**B3-13 003-1**	**B3-13 003-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B3-13**	**B3-13**	**B3-13**
Sample ID:	**OKMN-ESC-B313003A-0-110429**	**OKMN-ES-B313003B-0-110429**	**OKMN-ES-B313003C-0-110429**
Laboratory ID:	**10155978018**	**10155978019**	**10155978020**
Sample Date & Time:	**4/29/2011 12:35**	**4/29/2011 12:40**	**4/29/2011 12:42**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	2.86	4.87
1,2-Dichloroethane	---	3.17	2.02
Trichloroethene	---	11.8	7.73
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	< 0.0381	---	---
PCB-1221 (Aroclor 1221)	< 0.0381	---	---
PCB-1232 (Aroclor 1232)	< 0.0381	---	---
PCB-1242 (Aroclor 1242)	< 0.0381	---	---
PCB-1248 (Aroclor 1248)	< 0.0381	---	---
PCB-1254 (Aroclor 1254)	2.78	---	---
PCB-1260 (Aroclor 1260)	1.16	---	---
PCB-1262 (Aroclor 1262)	< 0.0381	---	---
PCB-1268 (Aroclor 1268)	< 0.0381	---	---
Total PCBs	3.94	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	---	---	---
Percent Moisture (%)			
Percent Moisture	13.5	19.1	12.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 21: Soil Block B3-05 001-003; Soil Block B3-13 001-003; Soil Block B3-19 001-1
Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		
Stockpile Manifest ID:	**B3-19 001-1 & B3-19 001-2**	**B3-19 001-1 & B3-19 001-2**	**B3-19 001-1**
Sample Type:	**Composite**	**Composite - Duplicate**	**Grab**
Block ID:	**B3-19**	**B3-19**	**B3-19**
Sample ID:	**OKMN-ESC-B319001A-0-110429**	**OKMN-ESC-B319001A-DB-110429**	**OKMN-ES-B319001B-0-110429**
Laboratory ID:	**10155978021**	**10155978022**	**10155978023**
Sample Date & Time:	**4/29/2011 12:00**	**4/29/2011 12:00**	**4/29/2011 12:05**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	---	< 0.232
1,2-Dichloroethane	---	---	< 0.232
Trichloroethene	---	---	< 0.232
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	< 0.038	< 0.038	---
PCB-1221 (Aroclor 1221)	< 0.038	< 0.038	---
PCB-1232 (Aroclor 1232)	< 0.038	< 0.038	---
PCB-1242 (Aroclor 1242)	< 0.038	< 0.038	---
PCB-1248 (Aroclor 1248)	< 0.038	< 0.038	---
PCB-1254 (Aroclor 1254)	1.09	1.06	---
PCB-1260 (Aroclor 1260)	< 0.038	< 0.038	---
PCB-1262 (Aroclor 1262)	2.46	2.49	---
PCB-1268 (Aroclor 1268)	< 0.038	< 0.038	---
Total PCBs	3.55	3.55	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	---	---	---
Percent Moisture (%)			
Percent Moisture	13.1	13.5	13.0

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/5/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/5/2011.

Analytical data provided in Pace Analytical Services data package #10155978.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 22: Soil Block B2-14 002-004 and Soil Block B3-14 001-002 Stockpile Sampling Results
Oakdale Site

	Stockpile 002[1]			
Stockpile Manifest ID:	**B2-14 002-1 & B2-14 002-2**	**B2-14 002-1 & B2-14 002-2**	**B2-14 002-2**	**B2-14 002-2[2]**
Sample Type:	**Composite**	**Composite - Duplicate**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214002A-0-110421**	**OKMN-ESC-B214002A-DB-110421**	**OKMN-ES-B214002C-0-110421**	**OKMN-ES-B214002C-0-110502**
Laboratory ID:	**10155185004**	**10155185005**	**10155185007**	**10156115008**
Sample Date & Time:	**4/21/2011 11:55**	**4/21/2011 11:55**	**4/21/2011 12:05**	**5/2/2011 14:39**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	---	7.96	---
1,2-Dichloroethane	---	---	See Note 3	2.11
Trichloroethene	---	---	10.4	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	0.123	0.287	---	---
Trichloroethene, TCLP	0.19	0.361	---	---
Percent Moisture (%)				
Percent Moisture	---	---	9.7	14.2

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

[3] This result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for samples collected on 5/2/2011.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/9/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/9/2011.

Analytical data provided in Pace Analytical Services data packages #10156115 & #10155185.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 22: Soil Block B2-14 002-004 and Soil Block B3-14 001-002 Stockpile Sampling Results
Oakdale Site

	Stockpile 003[1]		
Stockpile Manifest ID:	**B2-14 003-1 & B2-14 003-2**	**B2-14 003-1[2]**	**B2-14 003-1**
Sample Type:	**Composite**	**Composite**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214003A-0-110421**	**OKMN-ESC-B214003D-0-110502**	**OKMN-ES-B214003B-0-110421**
Laboratory ID:	**10155185008**	**10156115009**	**10155185009**
Sample Date & Time:	**4/21/2011 12:10**	**5/2/2011 14:45**	**4/21/2011 12:15**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	---	6.08
1,2-Dichloroethane	---	---	5.04
Trichloroethene	---	---	7.12
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	0.406	---	---
Trichloroethene, TCLP	See Note 3	0.291	---
Percent Moisture (%)			
Percent Moisture	---	---	9.2

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

[3] This result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for samples collected on 5/2/2011.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/9/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/9/2011.

Analytical data provided in Pace Analytical Services data packages #10156115 & #10155185.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 22: Soil Block B2-14 002-004 and Soil Block B3-14 001-002 Stockpile Sampling Results
Oakdale Site

	Stockpile 004[1]		
Stockpile Manifest ID:	**B2-14 004-1 & B2-14 004-2**	**B2-14 004-2**	**B2-14 004-2[2]**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214004A-0-110421**	**OKMN-ES-B214004C-0-110421**	**OKMN-ES-B214004C-0-110502**
Laboratory ID:	**10155185011**	**10155185014**	**10156115013**
Sample Date & Time:	**4/21/2011 12:25**	**4/21/2011 12:35**	**5/2/2011 14:54**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	3.95	---
1,2-Dichloroethane	---	See Note 3	1.92
Trichloroethene	---	18.2	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	0.33	---	---
Trichloroethene, TCLP	0.419	---	---
Percent Moisture (%)			
Percent Moisture	---	10.0	14.0

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

[2] Sample from the stockpile collected after conditioning to reduce VOCs.

[3] This result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for samples collected on 5/2/2011.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/9/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/9/2011.

Analytical data provided in Pace Analytical Services data packages #10156115 & #10155185.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 22: Soil Block B2-14 002-004 and Soil Block B3-14 001-002 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		Stockpile 002[1]	
Stockpile Manifest ID:	**B3-14 001-1**	**B3-14 001-2**	**B3-14 002-1**	**B3-14 002-2**
Sample Type:	**Grab**	**Grab**	**Grab**	**Grab**
Block ID:	**B3-14**	**B3-14**	**B3-14**	**B3-14**
Sample ID:	**OKMN-ES-B314001B-0-110502**	**OKMN-ES-B314001C-0-110502**	**OKMN-ES-B314002B-0-110502**	**OKMN-ES-B314002C-0-110502**
Laboratory ID:	**10156115001**	**10156115002**	**10156115003**	**10156115004**
Sample Date & Time:	**5/2/2011 14:03**	**5/2/2011 14:05**	**5/2/2011 14:20**	**5/2/2011 14:22**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	---	---	---
1,2-Dichloroethane	1.3	< 0.246	3.9	4.36
Trichloroethene	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	---	---	---	---
Trichloroethene, TCLP	---	---	---	---
Percent Moisture (%)				
Percent Moisture	14.9	18.1	14.3	10.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.
[2] Sample from the stockpile collected after conditioning to reduce VOCs.
[3] This result is from a sample collected prior to conditioning the stockpile to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpile to reduce VOCs. See results for samples collected on 5/2/2011.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".
--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/9/2011.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/9/2011.
Analytical data provided in Pace Analytical Services data packages #10156115 & #10155185.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 23: Soil Block B3-6 Stockpile Sampling Results
Oakdale Site

	Stockpile 001[1]		
Stockpile Manifest ID:	**B3-6 001-1 & B3-6 001-2**	**B3-6 001-1**	**B3-6 001-2**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B3-6**	**B3-6**	**B3-6**
Sample ID:	**OKMN-ESC-B306001A-0-110504**	**OKMN-ES-B306001B-0-110504**	**OKMN-ES-B306001C-0-110504**
Laboratory ID:	**10156345001**	**10156345002**	**10156345003**
Sample Date & Time:	**5/4/2011 11:15**	**5/4/2011 11:15**	**5/4/2011 11:17**
Volatile Organic Compounds (mg/kg, ppm)			
1,2-Dichloroethane	---	< 0.221	0.415
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	< 0.0364	---	---
PCB-1221 (Aroclor 1221)	< 0.0364	---	---
PCB-1232 (Aroclor 1232)	< 0.0364	---	---
PCB-1242 (Aroclor 1242)	< 0.0364	---	---
PCB-1248 (Aroclor 1248)	< 0.0364	---	---
PCB-1254 (Aroclor 1254)	0.991	---	---
PCB-1260 (Aroclor 1260)	< 0.0364	---	---
PCB-1262 (Aroclor 1262)	0.916	---	---
PCB-1268 (Aroclor 1268)	< 0.0364	---	---
Total PCBs	1.907	---	---
Percent Moisture (%)			
Percent Moisture	9.3	8.8	9.4

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.
All results reported on a "dry-weight basis".
--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/10/2011.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/10/2011.
Analytical data provided in Pace Analytical Services data package #10156345.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 23: Soil Block B3-6 Stockpile Sampling Results
Oakdale Site

	Stockpile 002	
Stockpile Manifest ID:	**B3-6 002**	**B3-6 002**
Sample Type:	**Composite**	**Grab**
Block ID:	**B3-6**	**B3-6**
Sample ID:	**OKMN-ESC-B306002A-0-110504**	**OKMN-ES-B306002B-0-110504**
Laboratory ID:	**10156345004**	**10156345005**
Sample Date & Time:	**5/4/2011 11:27**	**5/4/2011 11:27**
Volatile Organic Compounds (mg/kg, ppm)		
1,2-Dichloroethane	---	< 0.218
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)		
PCB-1016 (Aroclor 1016)	< 0.0361	---
PCB-1221 (Aroclor 1221)	< 0.0361	---
PCB-1232 (Aroclor 1232)	< 0.0361	---
PCB-1242 (Aroclor 1242)	< 0.0361	---
PCB-1248 (Aroclor 1248)	< 0.0361	---
PCB-1254 (Aroclor 1254)	0.501	---
PCB-1260 (Aroclor 1260)	0.246	---
PCB-1262 (Aroclor 1262)	< 0.0361	---
PCB-1268 (Aroclor 1268)	< 0.0361	---
Total PCBs	0.747	---
Percent Moisture (%)		
Percent Moisture	9.0	13.9

Table Notes:

[1] Stockpile is staged in two separate sub-piles. A grab sample was collected from each sub-pile.

All results reported on a "dry-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/10/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on 5/10/2011.

Analytical data provided in Pace Analytical Services data package #10156345.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 004			
Stockpile Manifest ID:	**B2-5 004-1 & B2-5 004-2**	**B2-5 004-1[1]**	**B2-5 004-1[1]**	**B2-5 004-1[1]**
Sample Type:	**Composite**	**Grab**	**Composite**	**Grab**
Block ID:	**B2-5**	**B2-5**	**B2-5**	**B2-5**
Sample ID:	**OKMN-ESC-B205004A-0-110414**	**OKMN-ES-B205004B-0-110427**	**OKMN-ESC-B205004D-0-110510**	**OKMN-ES-B205004B-0-110510**
Laboratory ID:	**10154483011**	**10155665002**	**10156872001**	**10156872002**
Sample Date & Time:	**04/14/2011 13:08**	**4/27/2011 12:55**	**5/10/2011 10:52**	**5/10/2011 10:55**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	12.8	---	---
1,2-Dichloroethane	---	See Note 2	---	0.965
Trichloroethene	---	16.9	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---
Total PCBs	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	0.422	---	---	---
Trichloroethene, TCLP	See Note 2	---	0.064	---
Percent Moisture (%)				
Percent Moisture	---	13.0	---	11.8
pH at 25 Degrees C (Std. Units)				
pH	---	---	7.9	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 004 (cont.)			
Stockpile Manifest ID:	**B2-5 004-2**	**B2-5 004-2[1]**	**B2-5 004-2[1]**	**B2-5 004-2[1]**
Sample Type:	**Grab**	**Grab**	**Composite**	**Composite - Duplicate**
Block ID:	**B2-5**	**B2-5**	**B2-5**	**B2-5**
Sample ID:	**OKMN-ES-B205004C-0-110414**	**OKMN-ES-B205004C-0-110427**	**OKMN-ESC-B205004E-0-110510**	**OKMN-ESC-B205004E-DB-110510**
Laboratory ID:	**10154483013**	**10155665004**	**10156872003**	**10156872004**
Sample Date & Time:	**04/14/2011 13:15**	**4/27/2011 13:00**	**5/10/2011 10:45**	**5/10/2011 10:45**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	13.3	---	---	---
1,2-Dichloroethane	See Note 2	4.36	---	---
Trichloroethene	17.4	---	---	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---
Total PCBs	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	---	---	---	---
Trichloroethene, TCLP	---	---	0.0599	0.138
Percent Moisture (%)				
Percent Moisture	9.9	13.9	---	---
pH at 25 Degrees C (Std. Units)				
pH	---	---	7.8	7.6

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 002			
Stockpile Manifest ID:	**B2-13 002-1[1]**	**B2-13 002-1[1]**	**B2-13 002-1**	**B2-13 002-1[1]**
Sample Type:	**Composite**	**Composite**	**Grab**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ESC-B213002D-0-110427**	**OKMN-ESC-B213002D-0-110510**	**OKMN-ES-B213002B-0-110415**	**OKMN-ES-B213002B-0-110510**
Laboratory ID:	**10155665009**	**10156872005**	**10154600006**	**10156872006**
Sample Date & Time:	**4/27/2011 11:55**	**5/10/2011 11:10**	**04/15/2011 11:40**	**5/10/2011 11:15**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	---	12.4	---
1,2-Dichloroethane	---	---	See Note 2	1.72
Trichloroethene	---	---	19.3	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---
Total PCBs	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	---	---	---	---
Trichloroethene, TCLP	0.396	---	---	---
Percent Moisture (%)				
Percent Moisture	---	---	8.8	11.4
pH at 25 Degrees C (Std. Units)				
pH	---	7.8	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 002 (cont.)		
Stockpile Manifest ID:	**B2-13 002-2[1]**	**B2-13 002-2**	**B2-13 002-2[1]**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ESC-B213002E-0-110510**	**OKMN-ES-B213002C-0-110415**	**OKMN-ES-B213002C-0-110427**
Laboratory ID:	**10156872007**	**10154600007**	**10155665012**
Sample Date & Time:	**5/10/2011 11:15**	**04/15/2011 11:41**	**4/27/2011 12:05**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	See Note 2	12.3
1,2-Dichloroethane	---	5.04	---
Trichloroethene	---	19.6	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---
Total PCBs	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	0.304	---	---
Percent Moisture (%)			
Percent Moisture	---	8.8	15.2
pH at 25 Degrees C (Std. Units)			
pH	7.7	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 003		
Stockpile Manifest ID:	**B2-13 003-1[1]**	**B2-13 003-1**	**B2-13 003-1[1]**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ESC-B213003D-0-110510**	**OKMN-ES-B213003B-0-110418**	**OKMN-ES-B213003B-0-110427**
Laboratory ID:	**10156872008**	**10154762002**	**10155665014**
Sample Date & Time:	**5/10/2011 11:30**	**04/18/2011 11:45**	**4/27/2011 12:20**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	See Note 2	10.8
1,2-Dichloroethane	---	See Note 2	5.87
Trichloroethene	---	31.9	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---
Total PCBs	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	0.232	---	---
Percent Moisture (%)			
Percent Moisture	---	10.4	14.9
pH at 25 Degrees C (Std. Units)			
pH	7.6	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 004				
Stockpile Manifest ID:	**B2-13 004-1[1]**	**B2-13 004-1**	**B2-13 004-1[1]**	**B2-13 004-2[1]**	**B2-13 004-2**
Sample Type:	**Composite**	**Grab**	**Grab**	**Composite**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ESC-B213004D-0-110510**	**OKMN-ES-B213004B-0-110418**	**OKMN-ES-B213004B-0-110510**	**OKMN-ESC-B213004E-0-110510**	**OKMN-ES-B213004C-0-110418**
Laboratory ID:	**10156872012**	**10154762005**	**10156872013**	**10156872014**	**10154762006**
Sample Date & Time:	**5/10/2011 11:40**	**04/18/2011 11:58**	**5/10/2011 11:45**	**5/10/2011 11:50**	**04/18/2011 12:00**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	See Note 2	8.25	---	8.87
1,2-Dichloroethane	---	See Note 2	1.82	---	2.88
Trichloroethene	---	31.2	---	---	8.88
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)					
PCB-1016 (Aroclor 1016)	---	---	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---	---	---
Total PCBs	---	---	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
1,2-Dichloroethane, TCLP	---	---	---	---	---
Trichloroethene, TCLP	0.134	---	---	0.117	---
Percent Moisture (%)					
Percent Moisture	---	9.9	11.1	---	9.9
pH at 25 Degrees C (Std. Units)					
pH	7.4	---	---	7.6	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 005		
Stockpile Manifest ID:	**B2-14 005[1]**	**B2-14 005**	**B2-14 005[1]**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214005A-0-110510**	**OKMN-ES-B214005B-0-110429**	**OKMN-ES-B214005B-0-110510**
Laboratory ID:	**10156872015**	**10155978002**	**10156872016**
Sample Date & Time:	**5/10/2011 11:05**	**4/29/2011 12:12**	**5/10/2011 11:05**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	9.11	---
1,2-Dichloroethane	---	See Note 2	3.18
Trichloroethene	---	40.1	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)			
PCB-1016 (Aroclor 1016)	---	---	---
PCB-1221 (Aroclor 1221)	---	---	---
PCB-1232 (Aroclor 1232)	---	---	---
PCB-1242 (Aroclor 1242)	---	---	---
PCB-1248 (Aroclor 1248)	---	---	---
PCB-1254 (Aroclor 1254)	---	---	---
PCB-1260 (Aroclor 1260)	---	---	---
PCB-1262 (Aroclor 1262)	---	---	---
PCB-1268 (Aroclor 1268)	---	---	---
Total PCBs	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	0.142	---	---
Trichloroethene, TCLP	0.215	---	---
Percent Moisture (%)			
Percent Moisture	---	11.8	11.1
pH at 25 Degrees C (Std. Units)			
pH	7.2	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 24: Soil Block B2-05 004; Soil Block B2-13 002-004; Soil Block B2-14 005; Soil Block B3-19 001
Stockpile Sampling Results
Oakdale Site

	Stockpile 001				
Stockpile Manifest ID:	**B3-19 001-1 & B3-19 001-2**	**B3-19 001-1 & B3-19 001-2**	**B3-19 001-2[1]**	**B3-19 001-2**	**B3-19 001-2[1]**
Sample Type:	**Composite**	**Composite - Duplicate**	**Composite**	**Grab**	**Grab**
Block ID:	**B3-19**	**B3-19**	**B3-19**	**B3-19**	**B3-19**
Sample ID:	**OKMN-ESC-B319001A-0-110429**	**OKMN-ESC-B319001A-DB-110429**	**OKMN-ESC-B319001E-0-110510**	**OKMN-ES-B319001C-0-110429**	**OKMN-ES-B319001C-0-110510**
Laboratory ID:	**10155978021**	**10155978022**	**10156872017**	**10155978024**	**10156872018**
Sample Date & Time:	**4/29/2011 12:00**	**4/29/2011 12:00**	**5/10/2011 11:10**	**4/29/2011 12:07**	**5/10/2011 11:05**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	---	---	11.5	---
1,2-Dichloroethane	---	---	---	See Note 2	1.71
Trichloroethene	---	---	---	19.5	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)					
PCB-1016 (Aroclor 1016)	< 0.038	< 0.038	---	---	---
PCB-1221 (Aroclor 1221)	< 0.038	< 0.038	---	---	---
PCB-1232 (Aroclor 1232)	< 0.038	< 0.038	---	---	---
PCB-1242 (Aroclor 1242)	< 0.038	< 0.038	---	---	---
PCB-1248 (Aroclor 1248)	< 0.038	< 0.038	---	---	---
PCB-1254 (Aroclor 1254)	1.09	1.06	---	---	---
PCB-1260 (Aroclor 1260)	< 0.038	< 0.038	---	---	---
PCB-1262 (Aroclor 1262)	2.46	2.49	---	---	---
PCB-1268 (Aroclor 1268)	< 0.038	< 0.038	---	---	---
Total PCBs	3.55	3.55	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
1,2-Dichloroethane, TCLP	---	---	---	---	---
Trichloroethene, TCLP	---	---	---	---	---
Percent Moisture (%)					
Percent Moisture	13.1	13.5	---	---	13.0
pH at 25 Degrees C (Std. Units)					
pH	---	---	7.6	17.6	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpiles with Lime Kiln Dust (LKD) to reduce VOCs.

[2] This result is from a sample collected prior to conditioning the stockpiles with LKD to reduce VOCs. It has been superseeded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

Stockpile conditioning with LKD continued until receipt of final data.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

NL = No Tier 2 Industrial SRV Criteria or TSCA reference

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/16/2011.

Data tabulation QA'd by R. McLoughlin & W. Westley of WESTON on 5/17/2011.

Analytical data provided in Pace Analytical Services data package #10154483, 10154600, 10154762, 10155665, 10155978 & 10156872.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 25: Soil Block B2-13 003 and Soil Block B2-14 001-003
Stockpile Sampling Results
Oakdale Site

	Stockpile 003					
Stockpile Manifest ID:	**B2-13 003-2[2]**	**B2-13 003-2[2]**	**B2-13 003-2**	**B2-13 003-2[2]**	**B2-13 003-2[2]**	**B2-13 003-2[2]**
Sample Type:	**Composite**	**Composite**	**Grab**	**Grab**	**Grab - Duplicate**	**Grab**
Block ID:	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-13**	**B2-13**
Sample ID:	**OKMN-ESC-B213003E-0-110510**	**OKMN-ESC-B213003E-0-110518**	**OKMN-ES-B213003C-0-110418**	**OKMN-ES-B213003C-0-110510**	**OKMN-ES-B213003C-DB-110510**	**OKMN-ES-B213003C-0-110518**
Laboratory ID:	**10156872009**	**10157633001**	**10154762003**	**10156872010**	**10156872011**	**10157633002**
Sample Date & Time:	**5/10/2011 11:30**	**05/18/2011 11:35**	**04/18/2011 11:47**	**5/10/2011 11:35**	**5/10/2011 11:35**	**05/18/2011 11:42**
Volatile Organic Compounds (mg/kg, ppm)						
1,1,2-Trichloroethane	---	---	See Note 3	See Note 3	4.14	6.69
1,2-Dichloroethane	---	---	See Note 3	2.97	0.656	---
Trichloroethene	---	---	42.1	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)						
1,2-Dichloroethane, TCLP	---	---	---	---	---	---
Trichloroethene, TCLP	0.133	---	---	---	---	---
Percent Moisture (%)						
Percent Moisture	---	---	10.2	9.1	12.8	11.5
pH at 25 Degrees C (Std. Units)						
pH	7.7	10.9	---	---	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.
[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.
[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/24/11.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/24/11.
Analytical data provided in Pace Analytical Services data package #10156872, 10155185, 10156115, 10156872, and 10157633.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 25: Soil Block B2-13 003 and Soil Block B2-14 001-003
Stockpile Sampling Results
Oakdale Site

	Stockpile 001				
Stockpile Manifest ID:	**B2-14 001-1 & B2-14 001-2**	**B2-14 001-1[2]**	**B2-14 001-1[2]**	**B2-14 001-1**	**B2-14 001-1[2]**
Sample Type:	**Composite**	**Composite**	**Composite - Duplicate**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214001A-0-110421**	**OKMN-ESC-B214001D-0-110518**	**OKMN-ESC-B214001D-DB-110518**	**OKMN-ES-B214001B-0-110421**	**OKMN-ES-B214001B-0-110518**
Laboratory ID:	**10155185001**	**10157633003**	**10157633004**	**10155185002**	**10157633005**
Sample Date & Time:	**4/21/2011 11:35**	**05/18/2011 11:08**	**05/18/2011 11:08**	**4/21/2011 11:45**	**05/18/2011 11:14**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	---	---	11.8	---
1,2-Dichloroethane	---	---	---	See Note 3	1.53
Trichloroethene	---	---	---	15.1	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
1,2-Dichloroethane, TCLP	0.21	---	---	---	---
Trichloroethene, TCLP	0.346	---	---	---	---
Percent Moisture (%)					
Percent Moisture	----	---	---	8.4	9.7
pH at 25 Degrees C (Std. Units)					
pH	---	10.6	10.4	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.
[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.
[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/24/11.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/24/11.
Analytical data provided in Pace Analytical Services data package #10156872, 10155185, 10156115, 10156872, and 10157633.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 25: Soil Block B2-13 003 and Soil Block B2-14 001-003
Stockpile Sampling Results
Oakdale Site

	Stockpile 002						
Stockpile Manifest ID:	**B2-14 002-1 & B2-14 002-2**	**B2-14 002-1 & B2-14 002-2**	**B2-14 002-1[2]**	**B2-14 002-1**	**B2-14 002-1[1]**	**B2-14 002-1[1]**	**B2-14 002-1[2]**
Sample Type:	**Composite**	**Composite - Duplicate**	**Composite**	**Grab**	**Grab**	**Grab - Duplicate**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214002A-0-110421**	**OKMN-ESC-B214002A-DB-11042**	**OKMN-ESC-B214002D-0-110518**	**OKMN-ES-B214002B-0-110421**	**OKMN-ES-B214002B-0-110502**	**OKMN-ES-B214002B-DB-110502**	**OKMN-ES-B214002B-0-110518**
Laboratory ID:	**10155185004**	**10155185005**	**10157633006**	**10155185006**	**10156115006**	**10156115007**	**10157633007**
Sample Date & Time:	**4/21/2011 11:55**	**4/21/2011 11:55**	**05/18/2011 11:10**	**4/21/2011 12:00**	**5/2/2011 14:36**	**5/2/2011 14:36**	**05/18/2011 11:16**
Volatile Organic Compounds (mg/kg, ppm)							
1,1,2-Trichloroethane	---	---	---	7.46	---	---	---
1,2-Dichloroethane	---	---	---	See Note 3	0.933	See Note 3	2.65
Trichloroethene	---	---	---	12.5	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)						---	
1,2-Dichloroethane, TCLP	0.123	0.287	---	---	---	---	---
Trichloroethene, TCLP	0.19	0.361	---	---	---	---	---
Percent Moisture (%)							
Percent Moisture	---	---	---	10.3	11.3	12.7	13.6
pH at 25 Degrees C (Std. Units)							
pH	---	---	10.8	---	---	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.
[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.
[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/24/11.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/24/11.
Analytical data provided in Pace Analytical Services data package #10156872, 10155185, 10156115, 10156872, and 10157633.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 25: Soil Block B2-13 003 and Soil Block B2-14 001-003
Stockpile Sampling Results
Oakdale Site

	Stockpile 003				
Stockpile Manifest ID:	**B2-14 003-1 & B2-14 003-2**	**B2-14 003-2[1]**	**B2-14 003-2[2]**	**B2-14 003-2**	**B2-14 003-2[2]**
Sample Type:	**Composite**	**Composite**	**Composite**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214003A-0-110421**	**OKMN-ESC-B214003E-0-110502**	**OKMN-ESC-B214003E-0-110518**	**OKMN-ES-B214003C-0-110421**	**OKMN-ES-B214003C-0-110518**
Laboratory ID:	**10155185008**	**10156115010**	**10157633008**	**10155185010**	**10157633009**
Sample Date & Time:	**4/21/2011 12:10**	**5/2/2011 14:46**	**05/18/2011 11:23**	**4/21/2011 12:20**	**05/18/2011 11:28**
Volatile Organic Compounds (mg/kg, ppm)					
1,1,2-Trichloroethane	---	---	---	11.4	---
1,2-Dichloroethane	---	---	---	See Note 3	4.02
Trichloroethene	---	---	---	19.6	---
Volatile Organic Compounds, TCLP (mg/L, ppm)					
1,2-Dichloroethane, TCLP	0.406	---	---	---	---
Trichloroethene, TCLP	See Note 3	0.42	---	---	---
Percent Moisture (%)					
Percent Moisture	---	---	---	9.9	11.7
pH at 25 Degrees C (Std. Units)					
pH	---	---	10.8	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.
[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.
[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.
All results for grab samples reported on a "dry-weight basis".
All results for composite samples reported on a "wet-weight basis".

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/24/11.
Data tabulation QA'd by R. McLoughlin of WESTON on 5/24/11.
Analytical data provided in Pace Analytical Services data package #10156872, 10155185, 10156115, 10156872, and 10157633.
Compounds were not detected in the trip blank at or above the reporting limit.

Table 26: Soil Block B2-14 Stockpile 004-1 Sampling Results
Oakdale Site

	Stockpile 004			
Stockpile Manifest ID:	**B2-14 004-1 & B2-14 004-2**	**B2-14 004-1**	**B2-14 004-1**	**B2-14 004-1[1]**
Sample Type:	**Composite**	**Grab**	**Grab - Duplicate**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214004A-0-110421**	**OKMN-ES-B214004B-0-110421**	**OKMN-ES-B214004B-DB-110421**	**OKMN-ES-B214004B-0-110502**
Laboratory ID:	**10155185011**	**10155185012**	**10155185013**	**10156115012**
Sample Date & Time:	**4/21/2011 12:25**	**4/21/2011 12:30**	**4/21/2011 12:30**	**5/2/2011 14:50**
Volatile Organic Compounds (mg/kg, ppm)				
1,1,2-Trichloroethane	---	9.36	7.94	---
1,2-Dichloroethane	---	See Note 3	See Note 3	See Note 3
Trichloroethene	---	23.2	21.4	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,2-Dichloroethane, TCLP	0.33	---	---	---
Trichloroethene, TCLP	0.419	---	---	---
Percent Moisture (%)				
Percent Moisture	---	10.3	10.9	15.2
pH at 25 Degrees C (Std. Units)				
pH	---	---	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.

[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.

[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/31/2011.

Data tabulation QA'd by J. Savage of WESTON on 5/31/2011.

Analytical data provided in Pace Analytical Services data package #10155185, 10156115, 10157633, and 10158491.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 26: Soil Block B2-14 Stockpile 004-1 Sampling Results
Oakdale Site

	Stockpile 004		
Stockpile Manifest ID:	**B2-14 004-1[2]**	**B2-14 004-1[2]**	**B2-14 004-1[2]**
Sample Type:	**Composite**	**Grab**	**Grab**
Block ID:	**B2-14**	**B2-14**	**B2-14**
Sample ID:	**OKMN-ESC-B214004D-0-110518**	**OKMN-ES-B214004B-0-110518**	**OKMN-ES-B214004B-0-110526**
Laboratory ID:	**10157633010**	**10157633011**	**10158491001**
Sample Date & Time:	**5/18/2011 11:25**	**5/18/2011 11:30**	**5/26/2011 7:45**
Volatile Organic Compounds (mg/kg, ppm)			
1,1,2-Trichloroethane	---	---	---
1,2-Dichloroethane	---	See Note 3	2.1
Trichloroethene	---	---	---
Volatile Organic Compounds, TCLP (mg/L, ppm)			
1,2-Dichloroethane, TCLP	---	---	---
Trichloroethene, TCLP	---	---	---
Percent Moisture (%)			
Percent Moisture	---	12.0	11.7
pH at 25 Degrees C (Std. Units)			
pH	10.7	---	---

Table Notes:

[1] Sample from the stockpile collected after conditioning the stockpile to reduce VOCs.

[2] Sample from stockpile collected after conditioning with Lime Kiln Dust (LKD) to reduce VOCs.

[3] This result has been superseded by the results of samples collected after conditioning the stockpiles to reduce VOCs.

All results for grab samples reported on a "dry-weight basis".

All results for composite samples reported on a "wet-weight basis".

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 5/31/2011.

Data tabulation QA'd by J. Savage of WESTON on 5/31/2011.

Analytical data provided in Pace Analytical Services data package #10155185, 10156115, 10157633, and 10158491.

Compounds were not detected in the trip blank at or above the reporting limit.

Table 27: Drum Sampling - October 2011
Oakdale, MN

Weston Sample ID:	OKMN-SB-PW26-0-111006	OKMN-SB-W21R-0-111006	OKMN-SB-W26R-0-111006	OKMN-SBC-DRUMS-0-111006
Sample Location:	10172159001	10172159003	10172159002	10172159004
Sample Type:	10/06/2011 16:15	10/06/2011 16:25	10/06/2011 16:20	10/06/2011 16:30
Volatile Organic Compounds (ug/kg, ppb)				
1,1-Dichloroethane	< 4.6	< 4.5	< 3.3	---
1,1-Dichloroethene	< 4.6	< 4.5	< 3.3	---
1,1-Dichloropropene	< 4.6	< 4.5	< 3.3	---
1,1,1-Trichloroethane	< 4.6	< 4.5	< 3.3	---
1,1,1,2-Tetrachloroethane	< 4.6	< 4.5	< 3.3	---
1,1,2-Trichloroethane	< 4.6	< 4.5	< 3.3	---
1,1,2-Trichlorotrifluoroethane	< 4.6	< 4.5	< 3.3	---
1,1,2,2-Tetrachloroethane	< 4.6	< 4.5	< 3.3	---
1,2-Dibromo-3-chloropropane	< 11.5	< 11.3	< 8.1	---
1,2-Dibromoethane (EDB)	< 4.6	< 4.5	< 3.3	---
1,2-Dichlorobenzene	< 4.6	< 4.5	< 3.3	---
1,2-Dichloroethane	< 4.6	< 4.5	< 3.3	---
1,2-Dichloroethene (Total)	< 9.2	< 9.0	< 6.5	---
1,2-Dichloropropane	< 4.6	< 4.5	< 3.3	---
1,2,3-Trichlorobenzene	< 4.6	< 4.5	< 3.3	---
1,2,3-Trichloropropane	< 4.6	< 4.5	< 3.3	---
1,2,4-Trichlorobenzene	< 4.6	< 4.5	< 3.3	---
1,2,4-Trimethylbenzene	< 4.6	< 4.5	< 3.3	---
1,3-Dichlorobenzene	< 4.6	< 4.5	< 3.3	---
1,3-Dichloropropane	< 4.6	< 4.5	< 3.3	---
1,3,5-Trimethylbenzene	< 4.6	< 4.5	< 3.3	---
1,4-Dichlorobenzene	< 4.6	< 4.5	< 3.3	---
2-Butanone (MEK)	< 23.0	< 22.6	< 16.3	---
2-Chloroethylvinyl ether	< 28.8	< 28.3	< 20.4	---
2-Chlorotoluene	< 4.6	< 4.5	< 3.3	---
2-Hexanone	< 23.0	< 22.6	< 16.3	---
2-Methylnaphthalene	< 23.0	< 22.6	< 16.3	---
2,2-Dichloropropane	< 11.5	< 11.3	< 8.1	---
4-Chlorotoluene	< 4.6	< 4.5	< 3.3	---
4-Methyl-2-pentanone (MIBK)	< 23.0	< 22.6	< 16.3	---
Acetone	< 28.8	< 28.3	24.5	---
Acrolein	< 115	< 113	< 81.4	---
Acrylonitrile	< 115	< 113	< 81.4	---
Allyl chloride	< 11.5	< 11.3	< 8.1	---
Benzene	< 4.6	< 4.5	< 3.3	---
Bromobenzene	< 4.6	< 4.5	< 3.3	---
Bromochloromethane	< 4.6	< 4.5	< 3.3	---
Bromodichloromethane	< 4.6	< 4.5	< 3.3	---
Bromoform	< 23.0	< 22.6	< 16.3	---
Bromomethane	< 23.0	< 22.6	< 16.3	---
Carbon disulfide	< 4.6	< 4.5	3.9	---
Carbon tetrachloride	< 4.6	< 4.5	< 3.3	---
Chlorobenzene	< 4.6	< 4.5	< 3.3	---
Chloroethane	< 11.5	< 11.3	< 8.1	---
Chloroform	< 4.6	< 4.5	< 3.3	---
Chloromethane	< 11.5	< 11.3	< 8.1	---
cis-1,2-Dichloroethene	< 4.6	< 4.5	< 3.3	---
cis-1,3-Dichloropropene	< 4.6	< 4.5	< 3.3	---
Cyclohexane	< 11.5	< 11.3	< 8.1	---
Dibromochloromethane	< 4.6	< 4.5	< 3.3	---
Dibromomethane	< 4.6	< 4.5	< 3.3	---
Dichlorodifluoromethane	< 11.5	< 11.3	< 8.1	---
Dichlorofluoromethane	< 4.6	< 4.5	< 3.3	---
Diethyl ether (Ethyl ether)	< 11.5	< 11.3	< 8.1	---

Table 27: Drum Sampling - October 2011
Oakdale, MN

Weston Sample ID:	OKMN-SB-PW26-0-111006	OKMN-SB-W21R-0-111006	OKMN-SB-W26R-0-111006	OKMN-SBC-DRUMS-0-111006
Sample Location:	10172159001	10172159003	10172159002	10172159004
Sample Type:	10/06/2011 16:15	10/06/2011 16:25	10/06/2011 16:20	10/06/2011 16:30
Diisopropyl ether	38.2	< 4.5	9.7	---
Ethylbenzene	< 4.6	< 4.5	3.9	---
Hexachloro-1,3-butadiene	< 11.5	< 11.3	< 8.1	---
Iodomethane	< 11.5	< 11.3	< 8.1	---
Isopropylbenzene (Cumene)	< 4.6	< 4.5	< 3.3	---
m&p-Xylene	< 9.2	< 9.0	8.2	---
Methyl-tert-butyl ether	< 4.6	< 4.5	< 3.3	---
Methylene Chloride	< 23.0	< 22.6	< 16.3	---
n-Butylbenzene	< 4.6	< 4.5	< 3.3	---
n-Propylbenzene	< 4.6	< 4.5	< 3.3	---
Naphthalene	< 11.5	< 11.3	< 8.1	---
o-Xylene	< 4.6	< 4.5	< 3.3	---
p-Isopropyltoluene	< 4.6	< 4.5	< 3.3	---
sec-Butylbenzene	< 4.6	< 4.5	< 3.3	---
Styrene	< 4.6	< 4.5	< 3.3	---
tert-Butylbenzene	< 4.6	< 4.5	< 3.3	---
Tetrachloroethene	< 4.6	< 4.5	< 3.3	---
Tetrahydrofuran	< 46.0	< 45.2	< 32.6	---
Toluene	< 4.6	< 4.5	< 3.3	---
trans-1,2-Dichloroethene	< 4.6	< 4.5	< 3.3	---
trans-1,3-Dichloropropene	< 4.6	< 4.5	< 3.3	---
trans-1,4-Dichloro-2-butene	< 57.6	< 56.6	< 40.7	---
Trichloroethene	< 4.6	< 4.5	< 3.3	---
Trichlorofluoromethane	< 11.5	< 11.3	< 8.1	---
Vinyl acetate	< 11.5	< 11.3	< 8.1	---
Vinyl chloride	< 4.6	< 4.5	< 3.3	---
Xylene (Total)	< 13.8	< 13.6	11.0	---
Volatile Organic Compounds, TCLP (mg/L, ppm)				
1,1-Dichloroethene, TCLP	---	---	---	< 0.05
1,2-Dichloroethane, TCLP	---	---	---	< 0.05
1,4-Dichlorobenzene, TCLP	---	---	---	< 0.05
2-Butanone (MEK), TCLP	---	---	---	< 0.2
Benzene, TCLP	---	---	---	< 0.05
Carbon tetrachloride, TCLP	---	---	---	< 0.2
Chlorobenzene, TCLP	---	---	---	< 0.05
Chloroform, TCLP	---	---	---	< 0.05
Tetrachloroethene, TCLP	---	---	---	< 0.05
Trichloroethene, TCLP	---	---	---	< 0.05
Vinyl chloride, TCLP	---	---	---	< 0.02
Semivolatile Organic Compounds, TCLP (mg/L, ppm)				
1,4-Dichlorobenzene, TCLP	---	---	---	< 0.1
2,4,5-Trichlorophenol, TCLP	---	---	---	< 0.5
2,4,6-Trichlorophenol, TCLP	---	---	---	< 0.1
2,4-Dinitrotoluene, TCLP	---	---	---	< 0.1
2-Methylphenol(o-Cresol), TCLP	---	---	---	< 0.1
3&4-Methylphenol, TCLP	---	---	---	< 0.1
Hexachloro-1,3-butadiene, TCLP	---	---	---	< 0.1
Hexachlorobenzene, TCLP	---	---	---	< 0.1
Hexachloroethane, TCLP	---	---	---	< 0.1
Nitrobenzene, TCLP	---	---	---	< 0.1
Pentachlorophenol, TCLP	---	---	---	< 0.23
Pyridine, TCLP	---	---	---	< 0.1

Table 27: Drum Sampling - October 2011
Oakdale, MN

Weston Sample ID:	OKMN-SB-PW26-0-111006	OKMN-SB-W21R-0-111006	OKMN-SB-W26R-0-111006	OKMN-SBC-DRUMS-0-111006
Sample Location:	10172159001	10172159003	10172159002	10172159004
Sample Type:	10/06/2011 16:15	10/06/2011 16:25	10/06/2011 16:20	10/06/2011 16:30
Metals, TCLP (mg/L, ppm)				
Arsenic, TCLP	---	---	---	< 0.050
Barium, TCLP	---	---	---	0.53
Cadmium, TCLP	---	---	---	< 0.0050
Chromium, TCLP	---	---	---	< 0.050
Lead, TCLP	---	---	---	< 0.015
Selenium, TCLP	---	---	---	< 0.075
Silver, TCLP	---	---	---	< 0.050
Mercury, TCLP	---	---	---	< 0.00080
Pesticides, TCLP (mg/L)				
Chlordane (tech)				<0.0050
Endrin			---	<0.0026
Gamma-BHC	---	---	---	<0.0026
Heptachlor	---	---	---	<0.0026
Heptachlor Epoxide	---	---	---	<0.0026
Methoxychlor	---	---	---	<0.0026
Toxaphene	---	---	---	<0.050
Herbicides, TCLP (mg/L)				
Silvex (2,4,5-TP)	---	---	---	<0.0050
2,4-D	---	---	---	<0.0050
Percent Moisture (%)				
Percent Moisture	13.1	11.6	12.8	13.2

Notes:

--- = Sample not analyzed for corresponding compound.

BACKFILL SAMPLING RESULTS

Table 1: SKB Sand Analytical Data
Oakdale Site

Stockpile Manifest ID:	SKB001	SKB001	SKB002	SKB002
Sample Type:	Composite	Grab	Composite	Grab
Block ID:	SKB	SKB	SKB	SKB
Sample ID:	OKMN-SSC-SKB001A-0-110201	OKMN-SS-SKB001B-0-110201	OKMN-SSC-SKB002A-0-110201	OKMN-SS-SKB002B-0-110201
Laboratory ID:	10148587001	10148587002	10148587003	10148587004
Sample Date & Time:	2/1/2011 15:46	2/1/2011 15:48	2/1/2011 15:53	2/1/2011 15:55
Volatile Organic Compounds (mg/kg, ppm)				
1,1,1,2-Tetrachloroethane	---	< 0.0044	---	< 0.0047
1,1,1-Trichloroethane	---	< 0.0044	---	< 0.0047
1,1,2,2-Tetrachloroethane	---	< 0.0044	---	< 0.0047
1,1,2-Trichloroethane	---	< 0.0044	---	< 0.0047
1,1,2-Trichlorotrifluoroethane	---	< 0.0044	---	< 0.0047
1,1-Dichloroethane	---	< 0.0044	---	< 0.0047
1,1-Dichloroethene	---	< 0.0044	---	< 0.0047
1,1-Dichloropropene	---	< 0.0044	---	< 0.0047
1,2,3-Trichlorobenzene	---	< 0.0044	---	< 0.0047
1,2,3-Trichloropropane	---	< 0.0044	---	< 0.0047
1,2,4-Trichlorobenzene	---	< 0.0044	---	< 0.0047
1,2,4-Trimethylbenzene	---	< 0.0044	---	< 0.0047
1,2-Dibromo-3-chloropropane	---	< 0.0109	---	< 0.0118
1,2-Dibromoethane (EDB)	---	< 0.0044	---	< 0.0047
1,2-Dichlorobenzene	---	< 0.0044	---	< 0.0047
1,2-Dichloroethane	---	< 0.0044	---	< 0.0047
1,2-Dichloroethene (Total)	---	< 0.0087	---	< 0.0094
1,2-Dichloropropane	---	< 0.0044	---	< 0.0047
1,3,5-Trimethylbenzene	---	< 0.0044	---	< 0.0047
1,3-Dichlorobenzene	---	< 0.0044	---	< 0.0047
1,3-Dichloropropane	---	< 0.0044	---	< 0.0047
1,4-Dichlorobenzene	---	< 0.0044	---	< 0.0047
2,2-Dichloropropane	---	< 0.0109	---	< 0.0118
2-Butanone (MEK)	---	< 0.0218	---	< 0.0235
2-Chloroethylvinyl ether	---	< 0.0272	---	< 0.0294
2-Chlorotoluene	---	< 0.0044	---	< 0.0047
2-Hexanone	---	< 0.0218	---	< 0.0235
2-Methylnaphthalene	---	< 0.0218	---	< 0.0235
4-Chlorotoluene	---	< 0.0044	---	< 0.0047
4-Methyl-2-pentanone (MIBK)	---	< 0.0218	---	< 0.0235
Acetone	---	< 0.0272	---	< 0.0294
Acrolein	---	< 0.109	---	< 0.118
Acrylonitrile	---	< 0.109	---	< 0.118
Allyl chloride	---	< 0.0109	---	< 0.0118
Benzene	---	< 0.0044	---	< 0.0047
Bromobenzene	---	< 0.0044	---	< 0.0047
Bromochloromethane	---	< 0.0044	---	< 0.0047
Bromodichloromethane	---	< 0.0044	---	< 0.0047
Bromoform	---	< 0.0218	---	< 0.0235
Bromomethane	---	< 0.0218	---	< 0.0235
Carbon disulfide	---	< 0.0044	---	< 0.0047
Carbon tetrachloride	---	< 0.0044	---	< 0.0047
Chlorobenzene	---	< 0.0044	---	< 0.0047
Chloroethane	---	< 0.0109	---	< 0.0118
Chloroform	---	< 0.0044	---	< 0.0047
Chloromethane	---	< 0.0109	---	< 0.0118
cis-1,2-Dichloroethene	---	< 0.0044	---	< 0.0047
cis-1,3-Dichloropropene	---	< 0.0044	---	< 0.0047
Cyclohexane	---	< 0.0109	---	< 0.0118
Dibromochloromethane	---	< 0.0044	---	< 0.0047
Dibromomethane	---	< 0.0044	---	< 0.0047
Dichlorodifluoromethane	---	< 0.0109	---	< 0.0118
Dichlorofluoromethane	---	< 0.0044	---	< 0.0047
Diethyl ether (Ethyl ether)	---	< 0.0109	---	< 0.0118
Diisopropyl ether	---	< 0.0044	---	< 0.0047
Ethylbenzene	---	< 0.0044	---	< 0.0047
Hexachloro-1,3-butadiene	---	< 0.0109	---	< 0.0118
Iodomethane	---	< 0.0109	---	< 0.0118
Isopropylbenzene (Cumene)	---	< 0.0044	---	< 0.0047
m&p-Xylene	---	< 0.0087	---	< 0.0094
Methylene Chloride	---	< 0.0218	---	< 0.0235
Methyl-tert-butyl ether	---	< 0.0044	---	< 0.0047
Naphthalene	---	< 0.0109	---	< 0.0118
n-Butylbenzene	---	< 0.0044	---	< 0.0047
n-Propylbenzene	---	< 0.0044	---	< 0.0047
o-Xylene	---	< 0.0044	---	< 0.0047
p-Isopropyltoluene	---	< 0.0044	---	< 0.0047
sec-Butylbenzene	---	< 0.0044	---	< 0.0047
Styrene	---	< 0.0044	---	< 0.0047
tert-Butylbenzene	---	< 0.0044	---	< 0.0047
Tetrachloroethene	---	< 0.0044	---	< 0.0047
Tetrahydrofuran	---	< 0.0435	---	< 0.0471
Toluene	---	< 0.0044	---	< 0.0047
trans-1,2-Dichloroethene	---	< 0.0044	---	< 0.0047
trans-1,3-Dichloropropene	---	< 0.0044	---	< 0.0047
trans-1,4-Dichloro-2-butene	---	< 0.0544	---	< 0.0589
Trichloroethene	---	< 0.0044	---	< 0.0047
Trichlorofluoromethane	---	< 0.0109	---	< 0.0118
Vinyl acetate	---	< 0.0109	---	< 0.0118
Vinyl chloride	---	< 0.0044	---	< 0.0047
Xylene (Total)	---	< 0.0131	---	< 0.0141

Table 1: SKB Sand Analytical Data
Oakdale Site

Stockpile Manifest ID:	SKB001	SKB001	SKB002	SKB002
Sample Type:	Composite	Grab	Composite	Grab
Block ID:	SKB	SKB	SKB	SKB
Sample ID:	OKMN-SSC-SKB001A-0-110201	OKMN-SS-SKB001B-0-110201	OKMN-SSC-SKB002A-0-110201	OKMN-SS-SKB002B-0-110201
Laboratory ID:	10148587001	10148587002	10148587003	10148587004
Sample Date & Time:	2/1/2011 15:46	2/1/2011 15:48	2/1/2011 15:53	2/1/2011 15:55
Semivolatile Organic Compounds (mg/kg, ppm)				
1,4-Dichlorobenzene	< 0.339	---	< 0.34	---
2,4,5-Trichlorophenol	< 1.74	---	< 1.75	---
2,4,6-Trichlorophenol	< 0.339	---	< 0.34	---
2,4-Dinitrotoluene	< 0.339	---	< 0.34	---
2-Methylphenol(o-Cresol)	< 0.339	---	< 0.34	---
3&4-Methylphenol	< 0.677	---	< 0.681	---
Hexachloro-1,3-butadiene	< 0.339	---	< 0.34	---
Hexachlorobenzene	< 0.339	---	< 0.34	---
Hexachloroethane	< 0.339	---	< 0.34	---
Nitrobenzene	< 0.339	---	< 0.34	---
Pentachlorophenol	< 1.74	---	< 1.75	---
Pyridine	< 1.74	---	< 1.75	---
Polychlorinated Biphenyls (mg/kg, ppm)				
PCB-1016 (Aroclor 1016)	< 0.0339	---	< 0.0339	---
PCB-1221 (Aroclor 1221)	< 0.0339	---	< 0.0339	---
PCB-1232 (Aroclor 1232)	< 0.0339	---	< 0.0339	---
PCB-1242 (Aroclor 1242)	< 0.0339	---	< 0.0339	---
PCB-1248 (Aroclor 1248)	< 0.0339	---	< 0.0339	---
PCB-1254 (Aroclor 1254)	< 0.0339	---	< 0.0339	---
PCB-1260 (Aroclor 1260)	< 0.0339	---	< 0.0339	---
PCB-1262 (Aroclor 1262)	< 0.0339	---	< 0.0339	---
PCB-1268 (Aroclor 1268)	< 0.0339	---	< 0.0339	---
Total PCBs	< 0.0339	---	< 0.0339	---
Metals, RCRA (mg/kg, ppm)				
Arsenic	4.2	---	4.3	---
Barium	14.2	---	14.5	---
Cadmium	0.058	---	0.3	---
Chromium	7.1	---	6.8	---
Lead	2.2	---	2.1	---
Selenium	0.66	---	0.9	---
Silver	< 0.43	---	< 0.4	---
Mercury	< 0.02	---	< 0.019	---
Herbicides (mg/kg, ppm)				
2,4-D	< 0.079	---	< 0.0798	---
2,4,5-TP (Silvex)	< 0.079	---	< 0.0798	---
Pesticides (mg/kg, ppm)				
Chlordane (Technical)	< 0.0345	---	< 0.0345	---
Endrin	< 0.0035	---	< 0.0034	---
gamma-BHC (Lindane)	< 0.0017	---	< 0.0017	---
Heptachlor epoxide	< 0.0017	---	< 0.0017	---
Methoxychlor	< 0.0173	---	< 0.0172	---
Toxaphene	< 0.104	---	< 0.103	---
Percent Moisture (%)				
Percent Moisture	3.5	3.5	3.3	3.5

Table Notes:

All results reported on a "dry-weight basis"

--- = Sample not analyzed for corresponding compound.

Data Notes:

Data tabulated by M. Cairns of WESTON on 11/2/2011.

Data tabulation QA'd by R. McLoughlin of WESTON on11/7/2011.

Analytical data provided in Pace Analytical Services data package #10148587.

Compounds were not detected in the trip blank at or above the reporting limit with the exception of acetone. However, acetone was not detected in any of the other samples at or above the reporting limit.

Table 2.: Raleigh Pit Topsoil Analytical Data
Oakdale Site
April 2011

Sample ID:	OKMN-TSC-RPT001A-0-110420	OKMN-TS-RPT001B-0-110420	OKMN-TSC-RPT002A-0-110420	OKMN-TS-RPT002B-0-110420	OKMN-TSC-RPT003A-0-110420	OKMN-TS-RPT003B-0-110420
Laboratory ID:	10155105001	10155105002	10155105003	10155105004	10155105005	10155105006
Sample Date & Time:	4/20/2011 15:50	4/20/2011 15:50	4/20/2011 16:00	4/20/2011 16:00	4/20/2011 16:10	4/20/2011 16:10
Volatile Organic Compounds (mg/kg, ppm)						
1,1,1,2-Tetrachloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1,1-Trichloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1,2,2-Tetrachloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1,2-Trichloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1,2-Trichlorotrifluoroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1-Dichloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1-Dichloroethene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,1-Dichloropropene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2,3-Trichlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2,3-Trichloropropane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2,4-Trichlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2,4-Trimethylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2-Dibromo-3-chloropropane	---	< 0.0136	---	< 0.0096	---	< 0.0122
1,2-Dibromoethane (EDB)	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2-Dichlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2-Dichloroethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,2-Dichloroethene (Total)	---	< 0.0109	---	< 0.0077	---	< 0.0097
1,2-Dichloropropane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,3,5-Trimethylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,3-Dichlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,3-Dichloropropane	---	< 0.0054	---	< 0.0039	---	< 0.0049
1,4-Dichlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
2,2-Dichloropropane	---	< 0.0136	---	< 0.0096	---	< 0.0122
2-Butanone (MEK)	---	< 0.0272	---	< 0.0193	---	< 0.0243
2-Chloroethylvinyl ether	---	< 0.034	---	< 0.0241	---	< 0.0304
2-Chlorotoluene	---	< 0.0054	---	< 0.0039	---	< 0.0049
2-Hexanone	---	< 0.0272	---	< 0.0193	---	< 0.0243
2-Methylnaphthalene	---	< 0.0272	---	< 0.0193	---	< 0.0243
4-Chlorotoluene	---	< 0.0054	---	< 0.0039	---	< 0.0049
4-Methyl-2-pentanone (MIBK)	---	< 0.0272	---	< 0.0193	---	< 0.0243
Acetone	---	0.15	---	0.0873	---	0.136
Acrolein	---	< 0.136	---	< 0.0964	---	< 0.122
Acrylonitrile	---	< 0.136	---	< 0.0964	---	< 0.122
Allyl chloride	---	< 0.0136	---	< 0.0096	---	< 0.0122
Benzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Bromobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Bromochloromethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
Bromodichloromethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
Bromoform	---	< 0.0272	---	< 0.0193	---	< 0.0243
Bromomethane	---	< 0.0272	---	< 0.0193	---	< 0.0243
Carbon disulfide	---	< 0.0054	---	< 0.0039	---	< 0.0049
Carbon tetrachloride	---	< 0.0054	---	< 0.0039	---	< 0.0049
Chlorobenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Chloroethane	---	< 0.0136	---	< 0.0096	---	< 0.0122
Chloroform	---	< 0.0054	---	< 0.0039	---	< 0.0049
Chloromethane	---	< 0.0136	---	< 0.0096	---	< 0.0122
cis-1,2-Dichloroethene	---	< 0.0054	---	< 0.0039	---	< 0.0049
cis-1,3-Dichloropropene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Cyclohexane	---	< 0.0136	---	< 0.0096	---	< 0.0122
Dibromochloromethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
Dibromomethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
Dichlorodifluoromethane	---	< 0.0136	---	< 0.0096	---	< 0.0122
Dichlorofluoromethane	---	< 0.0054	---	< 0.0039	---	< 0.0049
Diethyl ether (Ethyl ether)	---	< 0.0136	---	< 0.0096	---	< 0.0122
Diisopropyl ether	---	< 0.0054	---	< 0.0039	---	< 0.0049

Table 2: Raleigh Pit Topsoil Analytical Data
Oakdale Site
April 2011

Sample ID:	OKMN-TSC-RPT001A-0-110420	OKMN-TS-RPT001B-0-110420	OKMN-TSC-RPT002A-0-110420	OKMN-TS-RPT002B-0-110420	OKMN-TSC-RPT003A-0-110420	OKMN-TS-RPT003B-0-110420
Laboratory ID:	10155105001	10155105002	10155105003	10155105004	10155105005	10155105006
Sample Date & Time:	4/20/2011 15:50	4/20/2011 15:50	4/20/2011 16:00	4/20/2011 16:00	4/20/2011 16:10	4/20/2011 16:10
Ethylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Hexachloro-1,3-butadiene	---	< 0.0136	---	< 0.0096	---	< 0.0122
Iodomethane	---	< 0.0136	---	< 0.0096	---	< 0.0122
Isopropylbenzene (Cumene)	---	< 0.0054	---	< 0.0039	---	< 0.0049
m&p-Xylene	---	< 0.0109	---	< 0.0077	---	< 0.0097
Methylene Chloride	---	< 0.0272	---	< 0.0193	---	< 0.0243
Methyl-tert-butyl ether	---	< 0.0054	---	< 0.0039	---	< 0.0049
Naphthalene	---	< 0.0136	---	< 0.0096	---	< 0.0122
n-Butylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
n-Propylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
o-Xylene	---	< 0.0054	---	< 0.0039	---	< 0.0049
p-Isopropyltoluene	---	< 0.0054	---	< 0.0039	---	< 0.0049
sec-Butylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Styrene	---	< 0.0054	---	< 0.0039	---	< 0.0049
tert-Butylbenzene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Tetrachloroethene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Tetrahydrofuran	---	< 0.0544	---	< 0.0386	---	< 0.0486
Toluene	---	< 0.0054	---	< 0.0039	---	< 0.0049
trans-1,2-Dichloroethene	---	< 0.0054	---	< 0.0039	---	< 0.0049
trans-1,3-Dichloropropene	---	< 0.0054	---	< 0.0039	---	< 0.0049
trans-1,4-Dichloro-2-butene	---	< 0.0681	---	< 0.0482	---	< 0.0608
Trichloroethene	---	< 0.0054	---	< 0.0039	---	< 0.0049
Trichlorofluoromethane	---	< 0.0136	---	< 0.0096	---	< 0.0122
Vinyl acetate	---	< 0.0136	---	< 0.0096	---	< 0.0122
Vinyl chloride	---	< 0.0054	---	< 0.0039	---	< 0.0049
Xylene (Total)	---	< 0.0163	---	< 0.0116	---	< 0.0146
Semivolatile Organic Compounds (mg/kg, ppm)						
1,4-Dichlorobenzene	< 0.379	---	< 0.372	---	< 0.381	---
2,4,5-Trichlorophenol	< 1.95	---	< 1.92	---	< 1.96	---
2,4,6-Trichlorophenol	< 0.379	---	< 0.372	---	< 0.381	---
2,4-Dinitrotoluene	< 0.379	---	< 0.372	---	< 0.381	---
2-Methylphenol(o-Cresol)	< 0.379	---	< 0.372	---	< 0.381	---
3&4-Methylphenol	< 0.757	---	< 0.745	---	< 0.762	---
Hexachloro-1,3-butadiene	< 0.379	---	< 0.372	---	< 0.381	---
Hexachlorobenzene	< 0.379	---	< 0.372	---	< 0.381	---
Hexachloroethane	< 0.379	---	< 0.372	---	< 0.381	---
Nitrobenzene	< 0.379	---	< 0.372	---	< 0.381	---
Pentachlorophenol	< 1.95	---	< 1.92	---	< 1.96	---
Pyridine	< 1.95	---	< 1.92	---	< 1.96	---
Polychlorinated Biphenyls (PCBs) (mg/kg, ppm)						
PCB-1016 (Aroclor 1016)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1221 (Aroclor 1221)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1232 (Aroclor 1232)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1242 (Aroclor 1242)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1248 (Aroclor 1248)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1254 (Aroclor 1254)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1260 (Aroclor 1260)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1262 (Aroclor 1262)	< 0.0379	---	< 0.0372	---	< 0.0382	---
PCB-1268 (Aroclor 1268)	< 0.0379	---	< 0.0372	---	< 0.0382	---
Total PCBs	< 0.0379	---	< 0.0372	---	< 0.0382	---
Pesticides and Herbicides (mg/kg, ppm)						
2,4-D	< 0.0838	---	< 0.0756	---	< 0.0779	---
2,4,5-T	< 0.0838	---	< 0.0756	---	< 0.0779	---
2,4,5-TP	< 0.0838	---	< 0.0756	---	< 0.0779	---
Chlordane (Technical)	< 0.0382	---	< 0.0376	---	< 0.0386	---
Endrin	< 0.0038	---	< 0.0038	---	< 0.0039	---

Table 2: Raleigh Pit Topsoil Analytical Data
Oakdale Site
April 2011

Sample ID:	OKMN-TSC-RPT001A-0-110420	OKMN-TS-RPT001B-0-110420	OKMN-TSC-RPT002A-0-110420	OKMN-TS-RPT002B-0-110420	OKMN-TSC-RPT003A-0-110420	OKMN-TS-RPT003B-0-110420
Laboratory ID:	10155105001	10155105002	10155105003	10155105004	10155105005	10155105006
Sample Date & Time:	4/20/2011 15:50	4/20/2011 15:50	4/20/2011 16:00	4/20/2011 16:00	4/20/2011 16:10	4/20/2011 16:10
gamma-BHC (Lindane)	< 0.0019	---	< 0.0019	---	< 0.0019	---
Heptachlor epoxide	< 0.0019	---	< 0.0019	---	< 0.0019	---
Methoxychlor	< 0.0191	---	< 0.0188	---	< 0.0193	---
Toxaphene	< 0.115	---	< 0.113	---	< 0.116	---
Metals (mg/kg, ppm)						
Arsenic	13.6	---	6.8	---	3.8	---
Barium	86.5	---	80.7	---	44.2	---
Cadmium	1.1	---	0.76	---	0.31	---
Chromium	11.8	---	11.1	---	9.3	---
Lead	9.1	---	17.1	---	10.4	---
Selenium	0.86	---	0.81	---	< 0.67	---
Silver	< 0.54	---	< 0.4	---	< 0.45	---
Mercury	0.032	---	0.03	---	< 0.02	---
Percent Moisture (%)						
Percent Moisture	12.8	14.6	11.4	10.9	13.7	16.6

Table Notes:
--- = Sample not analyzed for corresponding compound.

Data Notes:
Data tabulated by M. Cairns of WESTON on 05/02/2011.
Analytical data provided in Pace Analytical Services data package #10155105.
Compounds were not detected in the trip blank at or above the reporting limit.
There are no known quality control concerns for this data.

APPENDIX D
CONSTRUCTION PERMITS AND REGULATORY APPROVALS

U. S. ARMY CORPS OF ENGINEERS APPLICATION FOR NO-LOSS DETERMINATION

DEPARTMENT OF THE ARMY
ST. PAUL DISTRICT, CORPS OF ENGINEERS
SIBLEY SQUARE AT MEARS PARK
190 FIFTH STREET EAST, SUITE 401
ST. PAUL MINNESOTA 55101-1638

REPLY TO
ATTENTION OF

Operations
Regulatory (2009-01812-DJS)

May 15, 2009

Mr. James Kotsmith
3M Center
Building 0224-02-E-55
St. Paul, Minnesota 55144-1000

Dear Mr. Kotsmith:

We have reviewed information about a project of 3-M to excavate 3,253 square feet of contaminated soil in an unnamed wetland. The project site is in SE 1/4 Sec. 18, T. 29N., R.21W., Washington County, Minnesota.

The work proposed at the location stated is not within the regulatory jurisdiction of the Corps of Engineers. No work will be done in a navigable water of the United States, and no dredged or fill material, including that associated with mechanical land clearing, will be discharged in any water of the United States, including wetlands. Therefore, a Department of the Army permit is not required to do this work.

This letter is valid only for the project referenced above. If any change in design, location, or purpose is contemplated, contact this office to avoid doing work that may be in violation of Federal law. PLEASE NOTE THAT THIS CONFIRMATION LETTER DOES NOT ELIMINATE THE NEED FOR STATE, LOCAL, OR OTHER AUTHORIZATIONS, SUCH AS THOSE OF THE DEPARTMENT OF NATURAL RESOURCES OR COUNTY.

The decision regarding this action is based on information found in the administrative record which documents the District's decision-making process, the basis for the decision, and the final decision.

If you have any questions, contact Mr. Dan Seemon in our office at (651) 290-5380. In any correspondence or inquiries, please refer to the Regulatory number shown above.

Sincerely,

Dan Seemon
for Tamara E. Cameron
Chief, Regulatory Branch

MINNESOTA DEPARTMENT OF NATURAL RESOURCES PUBLIC WATER WORKS PERMIT EXEMPTION

Minnesota Department of Natural Resources

DNR Waters, Central Region, 1200 Warner Road, St. Paul, Mn. 55106
Telephone: (651) 259-5845 Fax: (651) 772-7977

May 28, 2009

James R. Kotsmith
Senior Environmental Supervisor
3M Corporate Environmental Programs
3M Center, Building 0224-02-E-55
St. Paul, Minnesota . 55144-1000

RE: Public Waters Permit Application –Oakdale Disposal Site

Dear: Mr. & Mrs. Noble

We have reviewed the materials you submitted and determined that (see ☒ed item below):

☒ No DNR authorization is needed for the project you propose, as the project will not be located within a lake, wetland or stream subject to DNR Water Permit jurisdiction. Approvals or permits may be required from other federal and/or local government units.

☐ Your proposed project is located within a lake, wetland or stream subject to DNR Water Permit Jurisdiction, but no DNR permit is needed if the project is constructed in accordance with the submitted plans and/or description. Approvals or permits may be required from other federal and/or local government units.

☐ Your proposed project is located within a lake, wetland or stream subject to DNR Water Permit Jurisdiction, but your project is covered under a General Permit issued by the DNR (copy enclosed). Please read the permit conditions to ensure compliance with this Permit.

☐ The project you propose is within a DNR Public Waters Wetland(s), but DNR Water Permit jurisdiction has been waived to your Local Government Unit (LGU) responsible for implementation of the Wetland Conservation Act. You should contact for Wetland Conservation Act compliance information.

☐ Other Comments:

Notice: The DNR may be involved in review of your project proposal through comments to other government agencies or the local unit of government.

If you have any questions, please contact me at (651) 259-5757.

Sincerely,

Craig Wills

Craig Wills
Area Hydrologist

c: City of Oakdale, Terri Griffin
Valley Branch Watershed District, John Hanson
Washington County Conservation District Jay Riggs
US Army Corps of Engineers, Dan Seemon
DNR Regional Hydrologist, Dale Homuth
Public Water Wetland file (82-401)

CITY OF OAKDALE – SITE PLAN APPLICATION

City of Oakdale
RESOLUTION NO. 2009-64

APPROVING THE SITE PLAN FOR THE 3M COMPANY WATER TREATMENT FACILITY AND EXCAVATION ALONG HIGHWAY 5, EAST OF GRANADA AVENUE, SUBJECT TO CONDITIONS.

At a meeting of the City Council of the City of Oakdale held on Tuesday, June 23, 2009, at the Oakdale Municipal Building, 1584 Hadley Avenue North, Oakdale, Minnesota, with the following members present: Mayor Carmen Sarrack; Councilmembers Kent Dotas, Stan Karwoski, Lori Pulkrabek and Paul Reinke; and the following absent: None; the Oakdale City Council resolved:

WHEREAS, 3M Company requested site plan approval for a 2,468 square foot water filtration facility on the south side of Highway 5 and dirt excavation work to occur on the north side of Highway 5, and

WHEREAS, the work is occurring under an agreement with the MN Pollution Control Agency to contain and remove PFC's from the area, and

WHEREAS, the plans complies with the zoning code, with the exception of the aggregate driveway south of Highway 5 extending from Granada Avenue North, and

WHEREAS, the zoning code requires this drive to be bituminous and a variance was recommended by the Planning Commission to allow for the drive to be aggregate, and

WHEREAS, The Planning Commission recommended approval (6-0-1) of the request with conditions, and

NOW, THEREFORE, BE IT RESOLVED the City Council of the City of Oakdale hereby approves the Site Plan for the 3M Company Water Treatment Facility and excavation along Highway 5, east of Granada Avenue (**Legal Description: See Attached**), subject to the following conditions:

1. **STRUCTURE TO SATISFY THE DESIGN STANDARDS FOR EXTERIOR MATERIALS.**
2. **STRUCTURE TO BE SPRINKLED, AS REQUIRED.**
3. **LETTER OF CREDIT, IN THE AMOUNT OF $16,000, BE SUBMITTED TO THE CITY TO GUARANTEE THE TREE REPLACEMENT PLAN AS SUBMITTED AND APPROVED BY THE CITY FORESTER.**
4. **APPLICANT TO SECURE ALL OTHER AGENCY APPROVALS AND SATISFY ANY REQUIREMENTS PRIOR TO COMMENCING THE PROJECT.**
5. **RECOMMENDATIONS FROM THE ENGINEERING DEPARTMENT, INCLUDING THE CITY'S COLLECTION OF A SEWER ACCESS CHARGE (SAC) BASED ON INCREASED FLOW TO THE SYSTEM, IN AN AMOUNT TO BE DETERMINED.**
6. **HAULING ACTIVITIES TO OCCUR BETWEEN THE HOURS OF 9 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY.**
7. **VARIANCE APPROVED TO ALLOW AGGREGATE SURFACE DRIVE SOUTH OF HIGHWAY 5.**
8. **APPLICANT TO INSTALL SIGNAGE ON THE NORTH AND SOUTH SIDES OF HIGHWAY 5 DESCRIBING THE PROJECTS AND SUPPLYING CONTACT INFORMATION.**

Voting in Favor: Mayor Sarrack, Council Members Dotas, Karwoski, Pulkrabek and Reinke.

Voting Against: None.

Resolution duly seconded and passed this 23rd day of June 2009.

Carmen Sarrack, Mayor

Sue Barry, Deputy City Clerk

Legal Description

Sect-18 Twp-029 Range-021 NW1/4-SE1/4 EXC PT WHICH LIES WITHIN A DIST OF 100FT SLY & 184FT NLY OF FOLL DESC LN: BEG @ PT ON E LINE OF SD SEC 18 DIST 655.62FT S OF E1/4 COR THEREOFTHN RUN WLY @ ANG OF 90DEG 13' WITH S

Parcel ID

1802921420001

I, Susan Barry, City Clerk for the City of Oakdale, do hereby certify that this is a true and correct copy of Resolution 2009-64 which is on file in the office of the City Clerk of the City of Oakdale

8-12-09

VALLEY BRANCH WATERSHED DISTRICT PERMIT APPLICATION

July 6, 2009

Mr. James R. Kotsmith, P.E.
3M Company
3M Corporate Environmental Programs
3M Center, Building 224-2E-55
St. Paul, MN 55144

Re: 3M Oakdale Disposal Site—Oakdale, Minnesota
VBWD Permit #2009-16

Dear Mr. Kotsmith:

Enclosed is the Valley Branch Watershed District (VBWD) permit for your project. Please note the following conditions imposed by the Managers, which are also listed on the back of the permit.

1. This permit is not valid until a maintenance agreement in the general format of Appendix B of the VBWD Rules is submitted to and approved by the VBWD Attorney.

2. Prior to construction, a temporary erosion control plan shall be submitted to the VBWD Engineer for approval.

3. Prior to construction, details of the infiltration basin, including the overflow and soil material, shall be submitted to the VBWD Engineer for approval.

4. This permit is not valid until the required permit fee is submitted. If this project is a voluntary clean-up project, the fee is waived.

5. Prior to construction, the required surety shall be submitted.

6. The VBWD Engineer and Inspector shall be notified at least three days prior to commencement of work.

7. Erosion controls shall be installed prior to the commencement of grading operations and be maintained throughout the construction period until turf is established. Additional erosion controls may be required, as directed by the VBWD Inspector or VBWD Engineer.

8. All disturbed areas shall be vegetated within 14 days of final grading.

9. This permit is not transferable.

10. The required drainage easements and access easements shall be recorded with the Washington County Recorder's Office.

11. This permit is subject to obtaining all other permits required by governmental agencies having jurisdiction (including a NPDES permit).

12. The applicant is responsible for removal of all erosion control measures including silt fence and hay bales upon establishment of permanent vegetation at the project site as determined by the VBWD Engineer and/or Inspector.

13. The following additional erosion controls shall be implemented on the site:

    a. All proposed slopes three feet horizontal to one foot vertical (3H:1V) should be covered with erosion control blanket.

    b. Silt fence should follow existing contours as closely as feasible to limit the potential for gully erosion along the edges.

    c. Additional silt fence may be needed during construction.

    d. Temporary rock construction entrance(s) shall be maintained.

    e. Street sweeping shall be performed if sediment collects on streets.

    f. At catch basin entrances, MnDOT standards shall be used.

    g. A construction sequencing plan shall be submitted, approved, and followed.

    h. If erosion occurs at the outlets of the storm sewer pipes, the applicant will be responsible for correcting the problem to the satisfaction of the VBWD.

    i. Any sediment that collects in storm sewers, ponds, or other water management features shall be removed.

14. To prevent soil compaction, the proposed infiltration areas shall be staked off and marked during construction to prevent heavy equipment and traffic from traveling over them. If infiltration facilities are in place during construction activities, sediment and runoff shall be kept away from the facility, using practices such as diversion berms and vegetating around the facility's perimeter. Infiltration facilities shall not be excavated to final grade until the contributing drainage area has been constructed and fully stabilized. The final phase of excavation shall remove all accumulated sediment and be performed by light-tracked equipment to avoid compaction of the basin floor. To provide a well-aerated, highly porous surface, the soils of the basin floor shall be loosened to a depth of at least 24 inches to a maximum compaction of 85% standard proctor density prior to planting. The upper 10 inches of soil shall also be tilled prior to planting.

15. Drainage easements shall be granted to the Valley Branch Watershed District, which cover land

adjacent to the ponding, infiltration, and wetland areas up to their 100-year flood elevations and which cover all ditches, storm sewers and maintenance access to ponds and wetlands. The 100-year flood elevation of the infiltration basin at the south site is Elevation 1009.0. The 100-year flood elevations of the wetlands have not been calculated.

16. Return or allowed expiration of any remaining surety is dependent on the permit holder providing proof that all required documents have been recorded (including but not limited to easements) and providing as-built drawings that show that the project was constructed as approved by the Managers and in conformance with the VBWD rules and regulations.

17. This permit shall remain valid unless: (1) work is not initiated within one year of permit issuance, (2) work is idle for 12 consecutive months, or (3) work is not completed within three years of permit issuance date.

Thank you for your cooperation with the District's permit program.

Sincerely,

Lindoln Fetcher, President
Valley Branch Watershed District

LF/ymh
Enclosure
c: Ray Marshall, VBWD Attorney
Yvonne Huffman, Barr Engineering Company
Mark Wilson, Barr Engineering Company
Ray Roemmich, VBWD Inspector
Ken Moon, MPCA
Dale Homuth, MDNR
Larry Zdon, MPCA
Dan Seemon, Corps of Engineers
Jason Jensen DNR Enforcement
Brad Johnson, MDNR
Jyneen Thatcher, Washington Conservation District
Melissa Doperalski, MDNR
Craig Wills, MDNR
Lynda Peterson, Minnesota Board of Water and Soil Resources
Craig Waldron, City Administrator—City of Oakdale
Brian Bachmeier, City Engineer—City of Oakdale
William Schmitt, Building Official—City of Oakdale
Peter Miller, Wenck Associates Inc.—Authorized Agent

::ODMA\PCDOCS\DOCS\249347\1

CITY OF OAKDALE – GRADING AND FILLING PERMIT

CARL BOLANDER & SONS CO.

251 STARKEY ST. - P.O. BOX 7216
SAINT PAUL, MINNESOTA 55107
PHONE: (651) 224-6299 FAX: (651) 223-8197

12/16/2010

To: Mark Hostrawser 3MCM
3M
10746 Innovation Road
Cottage Grove, MN 55016

Reference: 3M Oakdale Disposal Site – Project ID 0055061

Subject: City of Oakdale Permit

Dear Mr. Hostrawser,

Carl Bolander and Sons submits for your files the following required information:

Project	0055061
Document	City of Oakdale Grading and Filling Permit
Specification Section	Section 01010 – Summary of Work 1.3 Permits Line A – City of Oakdale Permit
Action Required	None – For the project files.

We look forward to working with you on this project. If you have any questions or require additional information please do not hesitate to call.

Respectfully,

Todd Planting
Project Manager/Estimator
Cell (612) 919-4112
Direct (651) 251-6129

CITY OF OAKDALE

1584 HADLEY AV N
OAKDALE, MN 55128-
(651) 739-5150 FAX: (651) 730-2820

PERMIT NO.: 2010-02217

DATE ISSUED: 12/15/2010

ADDRESS	:	3349 GRANADA AV N
PIN	:	1802921420001
LEGAL DESC	:	METES AND BOUNDS
	:	LOT 0 BLOCK 0 PARCEL 0
PERMIT TYPE	:	BUILDING
PROPERTY TYPE	:	COMMERCIAL
CONSTRUCTION TYPE	:	GRADING & FILLING
ACTIVITY	:	N/A

CUBIC YARDS 29600

APPLICANT

CARL BOLANDER & SONS CO
251 STARKEY STREET
ST. PAUL, MN 55107

OWNER

3M COMPANIES
3M COMPANY
I94 & MCKNIGHT RD
BLDG 275-6W-20
ST. PAUL, MN 55144-

AGREEMENT AND SWORN STATEMENT

The work for which this permit is issued shall be performed according to: (1) the conditions of this permit; (2) the approval plans and specifications; (3) the applicable city approvals, Ordinances, and Codes; and, (4) the State Building Code. This permit is for only the work described, and does not grant permission for additional or related work which requires separate permits. This permit will expire and become null and void if work is not started within 90 days, or if work is suspended or abandoned for a period of 90 days any time after work has commenced. The applicant is responsible for assuring all required inspections are requested in conformance with the State Building Code.

PLAN REVIEW FEE, GRADING	122.00
EXCAVATION FEE	523.00
TOTAL	645.00

SEPARATE PERMITS REQUIRED FOR WORK OTHER THAN DESCRIBED ABOVE.

CITY OF OAKDALE
1584 HADLEY AV N
OAKDALE, MN 55128-
(651) 739-5150 FAX: (651) 730-2820

PERMIT NO.: 2010-02217

DATE ISSUED: 12/15/2010

ADDRESS : 3349 GRANADA AV N

PIN : 1802921420001

LEGAL DESC : METES AND BOUNDS

: LOT 0 BLOCK 0 PARCEL 0

PERMIT TYPE : BUILDING

PROPERTY TYPE : COMMERCIAL

CONSTRUCTION TYPE : GRADING & FILLING

ACTIVITY : N/A

PERMIT APPLICANT:

CARL BOLANDER & SONS CO
251 STARKEY STREET
ST. PAUL, MN 55107

BUILDING INSPECTION RECORD

24 HOUR NOTICE REQUIRED FOR ALL INSPECTIONS.

CALL FOR INSPECTIONS WEEKDAYS:

INSPECTION TYPE	DATE	INSPECTOR
EROSION CONTROL		

INSPECTION TYPE	DATE	INSPECTOR

INSPECTION COMMENTS: _____

IN ACCORDANCE WITH CITY ORDINANCE, NEW OR SUBSTANTIALLY REMODELED BUILDINGS SHALL NOT BE OCCUPIED UNTIL ALL WORK HAS BEEN APPROVED, AND A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED BY THE BUILDING DEPARTMENT.

THIS CARD MUST BE POSTED AND VISIBLE AT ALL TIMES UNTIL WORK IS COMPLETE.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION STORMWATER PERMIT

Minnesota Pollution Control Agency
520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

December 20, 2010

Mr. George Roman, Engineering Director
3M Company
Building 275-6W-20
Maplewood, MN 55144

RE: Transfer Modification for General NPDES/SDS Stormwater Permit for Construction Activity – **#C00027460 – Consent Project Oakdale**

Dear Mr. George Roman:

The Minnesota Pollution Control Agency (MPCA) has received your Permit Transfer/Modification Form for the General National Pollution Discharge Elimination System (NPDES)/State Disposal System (SDS) Stormwater Permit for Construction Activity and the MPCA files have been updated.

Please understand that the plans for this project should be reviewed and updated to show who is now responsible for inspections and other permit compliance issues. If you have any questions or need any additional information, please contact me at 651-757-2091.

Sincerely,

Jan Lehner-Reil

Jan Lehner-Reil
Office and Administrative Specialist
St. Paul Office
Data and Performance Management Division

jlr

cc: ~~George Ro~~man Norm Everson

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Notice of Termination/ Permit Modification Form

NPDES Construction Stormwater Permit Program

Transfer or terminate your National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit. Allowable changes are permit termination and permit transfer for all or a portion of the site. This form replaces the Notice of Termination (NOT), Permit Transfer, Permit Modification, and Subdivision Registration forms used under the former permit.

Instructions for this form are located on the Internet at http://www.pca.state.mn.us/publications/wq-strm2-60i.pdf.

Form will be invalid and returned to sender unless the checkbox associated with the applicable actions is checked and the corresponding signature is provided in section A-1, A-2, A-3, and or A-4.

Please submit to: **Construction Stormwater Permit Program**
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Existing Permit Identification

a. Current permit ID: C000 2 7 4 6 0 or SUB00 _ _ _ _ _

b. Project name: Consent Project - Oakdale

Project location: 3M Property, NE parcel of MN State Highway 5 and Granada Avenue North, Oakdale, MN

Briefly describe where the construction activity occurs (for example: Intersection of 45th St. and Irving Ave.). Include address if available.

Select Option 1, 2, or 3

1. Notice of Termination (NOT) for entire site by existing owner

Select this option when a project has achieved final stabilization with existing owner / contractor and no part of the site is being transferred to a new owner and all construction activity is complete.

c. ☐ Notice of Termination for entire existing permitted site or a subdivided site. (Current owner and contractor must sign under the "Current" Owner and "Current" Contractor sections respectively).

Check above box and sign section A-1 and A-2 on page 2.

2. Transfer of entire site to new owner or contractor (Transfer/Modification)

Select this option if the ***entire*** site (represented by the ID above) has either a new owner and/or new general contractor. Check all the boxes below that apply.

d ☐ New Owner for entire existing permitted site.
e. ☒ New Contractor for entire existing permitted site.
f. ☐ Current Owner for entire existing permitted site.
g. ☐ Current Contractor for entire existing permitted site.

Check above box(es) and sign section A-3 and A-4 page 3 and or check above box(es) and sign section A-1 and A-2 page 2

Both "Current" and "New" Parties must sign this form (preferred), however, separate forms are acceptable.

3. Transfer of a portion of a site to a new owner or contractor (Subdivision)

Select this option if a ***portion*** of a site (permitted under the ID above) has either a new owner and/or new general contractor. Check the boxes below that apply.

h. Describe the portion of the site being transferred: Lot _____ Block _____

Project location/address: _____

City, State, and Zip: _____

Example: SW quadrant of 45th Street and Irving Avenue or Lots 1-17 of block 20. Include list of addresses if available or include a map

i. ☐ New Owner for portion of existing site.
j. ☐ New Contractor for portion of existing site.
k. ☐ Current Owner of the portion to be transferred.
l. ☐ Current Contractor of the portion to be transferred.

Check above box(es) and sign section A-3 and A-4 page 3 and or check above box(es) and sign section A-1 and A-2 page 2

Both "Current" and "New" Parties must sign this form (preferred), however, separate forms are acceptable.

Current Owner Authorized Signature (A-1)

Business/Firm name: 3M Company

Last name: Roman First name: George Title: Engineering Director

E-mail address: gcroman1@mmm.com Telephone: (651) 737-2743 Ext.

Mailing address: Building 275-6W-20

City: Maplewood State: MN Zip code: 55144

Alternate contact:

Last name: McGrann First name: Patrick Title: Civil Engineering Specialist

E-mail address: pjmcgrann2@mmm.com Telephone: (651) 737-2984 Ext.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: Date: December 2, 2010

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship:*** *a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

Current Contractor Authorized Signature (A-2)

Business/Firm name: Sheehy Construction Company, Inc.

Last name: Biggs First name: Andy Title: Project Manager

E-mail address: andy.biggs@sheehyconstruction.com Telephone: (651) 488-6691 Ext.

Mailing address: 360 West Larpenteur Avenue

City: St. Paul State: MN Zip code: 55113

Alternate contact:

Last name: First name: Title:

E-mail address: Telephone: ( ) Ext.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: Date: December 2, 2010

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship:*** *a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

"New" Owner Authorized Signature (A-3)

Business/Firm name: _____

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: ( ) _____ Ext. _____

Mailing address: _____

City: _____ State: _____ Zip code: _____

Alternate contact:

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: ( ) _____ Ext. _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: _____ Date: _____

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship:*** *a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

"New" Contractor Authorized Signature (A-4)

Business/Firm name: Carl Bolander & Sons Company

Last name: Everson First name: Norm Title: Project Manager

E-mail address: norm@bolander.com Telephone: (651) 251-6126 Ext. _____

Mailing address: 251 Starkey Street

City: St. Paul State: MN Zip code: 55107

Alternate contact:

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: ( ) _____ Ext. _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: _____ Date: December 2, 2010

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship:*** *a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

If you have questions about the administrative details of the permit process go to: http://www.pca.state.mn.us/publications/wq-strm2-60i.pdf or call the Minnesota Pollution Control Agency at **651-296-6300 or 800-657-3864** and ask for *"Construction Stormwater."* If you have technical questions, ask for the *"Stormwater Policy and Technical Assistance Unit."*

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Notice of Termination/ Permit Modification Form

NPDES Construction Stormwater Permit Program

Transfer or terminate your National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit. Allowable changes are permit termination and permit transfer for all or a portion of the site. This form replaces the Notice of Termination (NOT), Permit Transfer, Permit Modification, and Subdivision Registration forms used under the former permit.

Instructions for this form are located on the Internet at http://www.pca.state.mn.us/publications/wq-strm2-60i.pdf.

Form will be invalid and returned to sender unless the checkbox associated with the applicable actions is checked and the corresponding signature is provided in section A-1, A-2, A-3, and or A-4.

Please submit to: **Construction Stormwater Permit Program**
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Existing Permit Identification

a. Current permit ID: C000 2 7 4 6 0 or SUB00 _ _ _ _ _

b. Project name: Consent Project - Oakdale

Project location: 3M Property, NE parcel of MN State Highway 5 and Granada Avenue North, Oakdale, MN

Briefly describe where the construction activity occurs (for example: Intersection of 45th St. and Irving Ave.). Include address if available.

Select Option 1, 2, or 3

1. Notice of Termination (NOT) for entire site by existing owner

Select this option when a project has achieved final stabilization with existing owner / contractor and no part of the site is being transferred to a new owner and all construction activity is complete.

c. ☒ Notice of Termination for entire existing permitted site or a subdivided site. (Current owner and contractor must sign under the "Current" Owner and "Current" Contractor sections respectively).

Check above box and sign section A-1 and A-2 on page 2.

2. Transfer of entire site to new owner or contractor (Transfer/Modification)

Select this option if the ***entire*** site (represented by the ID above) has either a new owner and/or new general contractor. Check all the boxes below that apply.

d ☐ New Owner for entire existing permitted site.

e. ☐ New Contractor for entire existing permitted site.

f. ☐ Current Owner for entire existing permitted site.

g. ☐ Current Contractor for entire existing permitted site.

Check above box(es) and sign section A-3 and A-4 page 3 and or check above box(es) and sign section A-1 and A-2 page 2

Both "Current" and "New" Parties must sign this form (preferred), however, separate forms are acceptable.

3. Transfer of a portion of a site to a new owner or contractor (Subdivision)

Select this option if a ***portion*** of a site (permitted under the ID above) has either a new owner and/or new general contractor. Check the boxes below that apply.

h. Describe the portion of the site being transferred: Lot _____ Block _____

Project location/address: _____

City, State, and Zip: _____

Example: SW quadrant of 45th Street and Irving Avenue or Lots 1-17 of block 20. Include list of addresses if available or include a map

i. ☐ New Owner for portion of existing site.

j. ☐ New Contractor for portion of existing site.

k. ☐ Current Owner of the portion to be transferred.

l. ☐ Current Contractor of the portion to be transferred.

Check above box(es) and sign section A-3 and A-4 page 3 and or check above box(es) and sign section A-1 and A-2 page 2

Both "Current" and "New" Parties must sign this form (preferred), however, separate forms are acceptable.

Current Owner Authorized Signature (A-1)

Business/Firm name: 3M Company

Last name: Nelson First name: James Title: Engineering Director

E-mail address: janelson1@mmm.com Telephone: (651) 737-2737 Ext.

Mailing address: 3M Center - Building 275-6W-20

City: Maplewood State: MN Zip code: 55144

Alternate contact:

Last name: McGrann First name: Patrick Title: Civil Engineering Specialist

E-mail address: pjmcgrann2@mmm.com Telephone: (651) 737-2984 Ext.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: Date: November 21, 2011

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship****: a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

Current Contractor Authorized Signature (A-2)

Business/Firm name: Carl Bolander & Sons Company

Last name: Everson First name: Norm Title: Project Manager

E-mail address: norm@bolander.com Telephone: (651) 251-6126 Ext.

Mailing address: 251 Starkey Street

City: St. Paul State: MN Zip code: 55107

Alternate contact:

Last name: First name: Title:

E-mail address: Telephone: ( ) Ext.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: Date: November 21, 2011

This Application must be signed by: ***Corporation:*** *a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application.* ***Partnership or Sole Proprietorship****: a general partner or the proprietor.* ***Municipality, State, Federal or Other Public Agency:*** *principal executive officer or ranking elected official.*

"New" Owner Authorized Signature (A-3)

Business/Firm name: _____

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: (____) _____ Ext. _____

Mailing address: _____

City: _____ State: _____ Zip code: _____

Alternate contact:

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: (____) _____ Ext. _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: _____ Date: _____

*This Application must be signed by: **Corporation:** a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application. **Partnership or Sole Proprietorship:** a general partner or the proprietor. **Municipality, State, Federal or Other Public Agency:** principal executive officer or ranking elected official.*

"New" Contractor Authorized Signature (A-4)

Business/Firm name: _____

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: (____) _____ Ext. _____

Mailing address: _____

City: _____ State: _____ Zip code: _____

Alternate contact:

Last name: _____ First name: _____ Title: _____

E-mail address: _____ Telephone: (____) _____ Ext. _____

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or the persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify under penalty of law that I have read, understood, and accepted all terms and conditions of the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) General Stormwater Permit Construction Activity (MN R100001) that authorizes stormwater discharges associated with the construction site identified on this form.

Authorized signature: _____ Date: _____

*This Application must be signed by: **Corporation:** a principal executive officer of at least the level of vice-president or the duly authorized representative or agent of the executive officer if the representative or agent is responsible for the overall operation of the facility that is the subject of the permit application. **Partnership or Sole Proprietorship:** a general partner or the proprietor. **Municipality, State, Federal or Other Public Agency:** principal executive officer or ranking elected official.*

If you have questions about the administrative details of the permit process go to: http://www.pca.state.mn.us/publications/wq-strm2-60i.pdf or call the Minnesota Pollution Control Agency at **651-296-6300 or 800-657-3864** and ask for *"Construction Stormwater."* If you have technical questions, ask for the *"Stormwater Policy and Technical Assistance Unit."*

MINNESOTA DEPARTMENT OF TRANSPORTATION UTILITY PERMITS

STATE OF MINNESOTA - DEPARTMENT OF TRANSPORTATION

DATE REC: 08/20/2008
APPLICATION BY: 3M COMPANY
ADDRESS: BUILDING 42-2E-27, ST. PAUL, MN, 55106

ATTENTION: JAMES KOTSMITH, SENIOR ENGINEER SUPERVISOR

TYPE OF FACILITY: GROUND WATER TRANSFER PIPE (2" HDPE) WITH CASING (4" HDPE)

C.S. 8214, T.H. 5

LOCATION: APPROX 700 FEET EAST OF GRANADA AVE IN CITY OF OAKDALE

Crossing OF T.H.# 5

REF.PT. TO REF.PT.

COMMENTS:
(Aug 28, 2008 9:45:38 AM) Ronald Richards: Permit Recommended For Approval
(Sep 19, 2008 9:11:49 AM) Jeffrey Dierberger: 25000 bond
(Sep 19, 2008 9:12:10 AM) Jeffrey Dierberger: Permit Sent to Central Office

WRITTEN BY: Ronald Richards

DIST: ME **MAP NUMBER:** 10-68

Susan Mulvihill D.E. Roseville
Beverly Farraher A.D.E.-M Roseville
R.E. or P.E.

RECOMMENDED FOR APPROVAL

LEONARD R. LEITNER
Utility Permit Supervisor

Minnesota Department of Transportation

Name of Office or District
395 John Ireland Blvd
Mailstop 678
Saint Paul, Minnesota 55155-1899

Office Tel: 651-366-4638
Fax or Cell: 651-366-4667

09/19/2008

JAMES KOTSMITH
SENIOR ENGINEER SUPERVISOR
3M COMPANY
BUILDING 42-2E-27
ST. PAUL, MN 55106

Your Reference:
C.S. 8214 (T.H. 5) WASHINGTON county
APPROX 700 FEET EAST OF GRANADA AVE IN CITY OF OAKDALE
3M COMPANY
Permit No. M-UL-2008-23504

DEAR JAMES KOTSMITH

A permit has been prepared based on your application dated 08/18/2008 for installation of a GROUND WATER TRANSFER PIPE (2" HDPE) WITH CASING (4" HDPE) at the above referenced location. However, you have NO AUTHORITY TO ACT UNDER THIS PERMIT until you have received it.

The permit has been forwarded to Mr. Edward Barrett, Transp Specialist, at 1500 W Co Rd B2, Roseville, MN, 55113 telephone number 651/234-7912. You MUST obtain it from him/her at his/her office by furnishing him/her with a certified check or surety bond, in the amount of $25,000.00, payable to the State of Minnesota, Commissioner of Transportation. This is in accordance with the terms of the permit. At that time you may discuss with the person named in the Special Provisions any rules, regulations, or special provisions which require explanation.

Said permit or a copy thereof shall be provided to your construction forces or your contractor to assure that the installation will be made in accordance with the Rules and Regulations, the Special Provisions, and the Sketches contained in the Permit. This Permit must be in the possession of your contractor while working on the highway right of way.

Sincerely,

Marilyn Remer, P.E.
Utilities Engineer

CC:
Susan Mulvihill, D.E., Roseville
Beverly Farraher, A.D.E.M., Roseville
L. Leitner, C.O. PERMITS

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

Utility Permit

Reference: Control Section 8214 T.H. 5

Attn: JAMES KOTSMITH
SENIOR ENGINEER SUPERVISOR

In accordance with Minnesota Statues Section 161.45, Minnesota Rules Section 8810, and this application a Utility Permit for construction is granted to:

3M COMPANY

to place, construct and thereafter maintain a:

GROUND WATER TRANSFER PIPE (2" HDPE) WITH CASING (4" HDPE)

on or across, the right of way of Trunk Highway No. 5 in the location shown on the sketch which is a part of the application, or in a location specified by the Department of Transportation in the attached Special Provisions.

Recommended for approval:

District/Division Representative

9/19/08
(Date)

Approved by:

Division Engineer
Federal Highway Administration

(Date)

Dated this 19 day of September 2008

Commissioner of Transportation
Transportation Building
St. Paul, Minnesota 55155-1899

By
Utilities Engineer

COPIES:

Utilities Engineer
Applicant
District Engineer
Susan Mulvihill - Roseville

Assistant District Engineer Maintenance
Beverly Farraher - Roseville

Project engineer

Permit No **M-UL-2008-23504**

Amount of Surety Bond Required: $25,000.00

Minnesota Department of Transportation

Utility Permits and Agreements
395 John Ireland Blvd
Mailstop 678
Saint Paul, Minnesota 55155-1899

Office Tel: 651-366-4638
Fax or Cell: 651-366-4667

October 1, 2010

JAMES R KOTSMITH
PROJECT ENGINEER
3M COMPANY
BUILDING 224-2E-55
SAINT PAUL, MN 5514

Your Reference:
C.S. 8214 (T.H. 5) WASHINGTON COUNTY

IN THE CITY OF OAKDALE APPROXIMATELY 700 FEET EAST OF GRANADA AVE
3M COMPANY
Permit No. M-UL-2010-40804

DEAR JAMES R KOTSMITH

A permit has been prepared based on your application dated 08/20/2010 for installation of a BURIED ELECTRICAL POWER LINE (208 V) WITH CONDUIT (2-2" HDPE) at the above referenced location. However, you have NO AUTHORITY TO ACT UNDER THIS PERMIT until you have received it.

The permit has been forwarded to Mr. Edward Barrett, Transp Specialist, at 1500 W Co Rd B2, Roseville, MN, 55113 telephone number 651/234-7912. The permit will be issued to you after you provide a certified check or surety bond, in the amount of $15,000.00, payable to the State of Minnesota, Commissioner of Transportation. This is in accordance with the terms of the permit. At that time you may discuss with the person named in the Special Provisions any rules, regulations, or special provisions which require explanation.

Said permit or a copy thereof shall be provided to your construction forces or your contractor to assure that the installation will be made in accordance with the Rules and Regulations, the Special Provisions, and the Sketches contained in the Permit. This Permit must be in the possession of your contractor while working on the highway right of way.

Sincerely,

Marilyn Remer, P.E.
Utilities Engineer

CC:
Scott McBride, D.E., Roseville
Beverly Farraher, A.D.E.M., Roseville
L. Leitner, C.O. PERMITS

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

Utility Permit

Reference: Control Section 8214 T.H. 5

Attn: JAMES R KOTSMITH
PROJECT ENGINEER

In accordance with Minnesota Statues Section 161.45, Minnesota Rules Section 8810, and this application a Utility Permit for construction is granted to:

3M COMPANY

to place, construct and thereafter maintain a:

BURIED ELECTRICAL POWER LINE (208 V) WITH CONDUIT (2-2" HDPE)

on or across, the right of way of Trunk Highway No. 5 in the location shown on the sketch which is a part of the application, or in a location specified by the Department of Transportation in the attached Special Provisions.

Recommended for approval: Jeff Pinberger

District/Division Representative

9/30/10

(Date)

Approved by:

Division Engineer
Federal Highway Administration

(Date)

Dated this 30th day of Sept. 2010

Commissioner of Transportation
Transportation Building
St. Paul, Minnesota 55155-1899

By Marilyn Riemer
Utilities Engineer

COPIES:

Utilities Engineer
Applicant
District Engineer
Scott McBride-Roseville

Assistant District Engineer Maintenance
Beverly Farraher-Roseville

Project engineer

Permit No **M-UL-2010-40804**

Amount of Surety Bond Required: 15,000

WELL SEALING RECORDS

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING SEALING RECORD

Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. **H 297318**

Minnesota Unique Well No. or W-series No. (Leave blank if not known): unknown

WELL OR BORING LOCATION

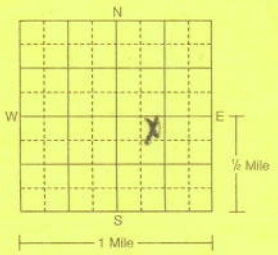
County Name: Washington

Township Name	Township No.	Range No.	Section No.	Fraction (sm. → lg.)
	29	21	18	NE NW SE

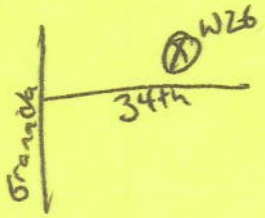
GPS LOCATION: Latitude_____ degrees_____ minutes_____ seconds
Longitude_____ degrees_____ minutes_____ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location: 1170' East of Granada Ave North of 34th Oakdale MN 55128

Show exact location of well or boring in section grid with "X."



Sketch map of well or boring location, showing property lines, roads, and buildings.



PROPERTY OWNER'S NAME/COMPANY NAME: 3M Corporate Attn: Mark Gaetz

Property owner's mailing address if different than well location address indicated above: Corporate Environmental Program, 3M Center Bldg 224-2E-55, St. Paul, MN 55144

WELL OWNER'S NAME/COMPANY NAME: 3M Corporation

Well owner's mailing address if different than property owner's address indicated above:

GEOLOGICAL MATERIAL	COLOR	HARDNESS OR FORMATION	FROM	TO
If not known, indicate estimated formation log from nearby well or boring.				
Silt	Brn	dense	0	9
Silt, Sand	Gray/Brn	med dense	9	14
Sand	Gy/Brn	Med dense	14	16
Clayey Silt	Gy/Brn	Stiff	16	17

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING

AET PM-Travis Rengstorf
01-04997
3M Rep. – Mark Gaetz
Bldg 224-2E-55
Abandon W26 3M Oakdale
Site for Weston Solutions

IMPORTANT - FILE WITH PROPERTY PAPERS-WELL OWNER COPY H 297318

Date Sealed: 11/22/2010

Date Well or Boring Constructed: 12/30/1983

Depth Before Sealing: 17 ft.

Original Depth: 17 ft.

AQUIFER(S): [X] Single Aquifer [ ] Multiaquifer

WELL/BORING: [ ] Water-Supply Well [X] Monit. Well [ ] Env. Bore Hole [X] Other Piezo?

STATIC WATER LEVEL: [X] Measured [ ] Estimated Date Measured 11/22/2010

13 ft. [X] below [ ] above land surface

CASING TYPE(S): [X] Steel [ ] Plastic [ ] Tile [ ] Other

WELLHEAD COMPLETION

Outside: [ ] Well House [redacted] [ ] At Grade [ ] Buried [ ] Pitless Adapter/Unit [ ] Well Pit [X] Other Steel Protap

Inside: [ ] Basement Offset [ ] Well Pit [ ] Buried [ ] Other

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in. from 0	to 7 ft.	[X] Yes [ ] No	[X] Yes [ ] No [redacted]
in. from	to ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown
in. from	to ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown

SCREEN/OPEN HOLE: Screen from 7 to 17 ft. Open Hole from ____ to ____ ft.

OBSTRUCTIONS: [ ] Rods/Drop Pipe [ ] Check Valve(s) [ ] Debris [ ] Fill [X] No Obstruction

Type of Obstructions (Describe):

Obstructions removed? [ ] Yes [ ] No Describe:

PUMP

Type:

[ ] Removed [X] Not Present [ ] Other:

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

[X] No Annular Space Exists [ ] Annular Space Grouted with Tremie Pipe [ ] Casing Perforation/Removal

in. from ____ to ____ ft. [ ] Perforated [ ] Removed

in. from ____ to ____ ft. [ ] Perforated [ ] Removed

Type of Perforator:

[ ] Other:

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material: Bentonite Grout from 0 to 17 ft. ____ yards 1/4 bags

from ____ to ____ ft. ____ yards ____ bags

from ____ to ____ ft. ____ yards ____ bags

OTHER WELLS AND BORINGS

Other unsealed and unused well or boring on property? [ ] Yes [ ] No How many? unknown

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

American Engineering Testing — *Licensee Business Name* — 1795 — *License or Registration No.*

Kathryn J Klute — *Certified Representative Signature* — 996 — *Certified Rep. No.* — 1-4-12 — *Date*

Dave Adams — *Name of Person Sealing Well or Boring*

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING SEALING RECORD

Minnesota Statutes, Chapter 103I

Minnesota Well and Boring Sealing No. H 297317

Minnesota Unique Well No. or W-series No. (Leave blank if not known): unknown

WELL OR BORING LOCATION

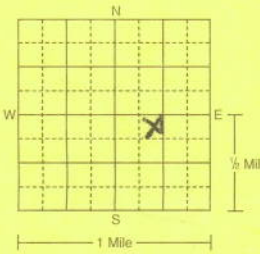
County Name: Washington

Township Name	Township No.	Range No.	Section No.	Fraction (Sm. → lg.)
	29	21	18	NE NW SE

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds; Longitude ____ degrees ____ minutes ____ seconds

Numerical Street Address or Fire Number and City of Well or Boring Location: 995' East of Granada North Side 34th St. Oakdale MN 55128

Show exact location of well or boring in section grid with "X."



Sketch map of well or boring location, showing property lines, roads, and buildings.

PROPERTY OWNER'S NAME/COMPANY NAME: 3M Corporation Attn: Mark Gaetz

Property owner's mailing address if different than well location address indicated above: Corporate Environmental Programs, 3M Center Bldg 224-2E-55, St. Paul MN 55144

WELL OWNER'S NAME/COMPANY NAME: 3M Corporation

Well owner's mailing address if different than property owner's address indicated above:

GEOLOGICAL MATERIAL	COLOR	HARDNESS OR FORMATION	FROM	TO
If not known, indicate estimated formation log from nearby well or boring.				
Silty Sand	Drk Brn Brn	loose medium	0	6
Sandy Clayey Silt	Brn	Stiff	6	8
Silty Sand	Brn	Med dense	8	10
Sand	Brn	Med dense	10	12
Silty Sand	Gray	Med dense	12	16

REMARKS, SOURCE OF DATA, DIFFICULTIES IN SEALING: AET PM-Travis Rengstorf 01-04997; 3M - Mark Gaetz Bldg # 224-2E-55 Abandon W21 3M Oakdale Site for Western Solutions

IMPORTANT - FILE WITH PROPERTY PAPERS-WELL OWNER COPY

H 297317

Date Sealed: 11/22/2010

Date Well or Boring Constructed: 3/23/1981

Depth Before Sealing: 16 ft.

Original Depth: 16 ft.

AQUIFER(S): [X] Single Aquifer [ ] Multiaquifer

WELL/BORING: [ ] Water-Supply Well [X] Monit. Well [ ] Env. Bore Hole [X] Other Piezo?

STATIC WATER LEVEL: [X] Measured [ ] Estimated Date Measured 11/22/2010; 10 ft. [X] below [ ] above land surface

CASING TYPE(S): [X] Steel [ ] Plastic [ ] Tile [ ] Other

WELLHEAD COMPLETION

Outside: [ ] Well House [redacted] [ ] At Grade [ ] Pitless Adapter/Unit [ ] Buried [ ] Well Pit [X] Other Steel Protop

Inside: [ ] Basement Offset [ ] Well Pit [ ] Buried [ ] Other

CASING(S)

Diameter	Depth	Set in oversize hole?	Annular space initially grouted?
2 in. from 0	to [redacted] 6 ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [X] Unknown
in. from	to ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown
in. from	to ft.	[ ] Yes [ ] No	[ ] Yes [ ] No [ ] Unknown

SCREEN/OPEN HOLE: Screen from 6 [redacted] to 16 ft. Open Hole from ____ to ____ ft.

OBSTRUCTIONS: [ ] Rods/Drop Pipe [ ] Check Valve(s) [ ] Debris [ ] Fill [X] No Obstruction

Type of Obstructions (Describe):

Obstructions removed? [ ] Yes [ ] No Describe:

PUMP: Type: [ ] Removed [X] Not Present [ ] Other

METHOD USED TO SEAL ANNULAR SPACE BETWEEN 2 CASINGS, OR CASING AND BORE HOLE:

[X] No Annular Space Exists [ ] Annular Space Grouted with Tremie Pipe [ ] Casing Perforation/Removal

in. from ____ to ____ ft. [ ] Perforated [ ] Removed

in. from ____ to ____ ft. [ ] Perforated [ ] Removed

Type of Perforator:

[ ] Other

GROUTING MATERIAL(S) (One bag of cement = 94 lbs., one bag of bentonite = 50 lbs.)

Grouting Material: Bentonite Grout from 0 to 16 ft. ____ yards 1/4 bags

from ____ to ____ ft. ____ yards ____ bags

from ____ to ____ ft. ____ yards ____ bags

OTHER WELLS AND BORINGS: Other unsealed and unused well or boring on property? [ ] Yes [ ] No How many? unknown

LICENSED OR REGISTERED CONTRACTOR CERTIFICATION

This well or boring was sealed in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

American Engineering Testing — Licensee Business Name; 1795 — License or Registration No.

Kathryn J Kleiter — Certified Representative Signature; 996 — Certified Rep. No.; 1-4-12 — Date

Dave Adams — Name of Person Sealing Well or Boring

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 785567

WELL OR BORING LOCATION

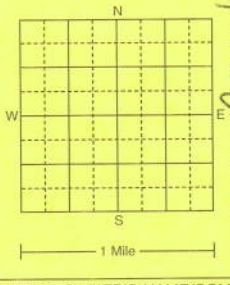
County Name: Washington

Township Name	Township No.	Range No.	Section No.	Fraction
Oakdale	29N	21W	18	NW NW SE/4

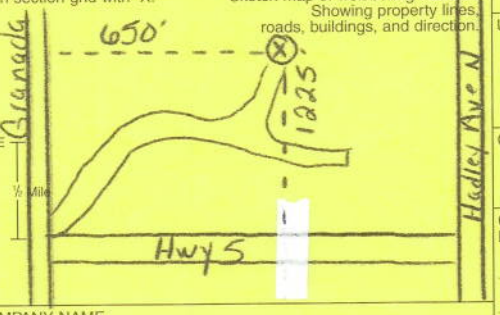
GPS LOCATION: N Latitude 44 degrees 59 minutes 54 seconds 5
W Longitude 092 degrees 58 minutes 16 seconds 1

House Number, Street Name, City, and Zip Code of Well Location: Not Assigned Hwy 5 & Granada Ave. N. Oakdale 55128 | or Fire Number

Show exact location of well/boring in section grid with "X."



Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



PROPERTY OWNER'S NAME/COMPANY NAME: 3M Company

Property owner's mailing address if different than well location address indicated above.

3M Center
Bldg 223-25-31
St. Paul, MN 55144

WELL OWNER'S NAME/COMPANY NAME: Same

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
Fill	Brown	S	0	7
Clay / Silt	Brown	S	7	10
WILTY ? Sand	Brown	S	10	14
Silty Sand	Grey	S	14	22

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY 785567

WELL/BORING DEPTH (completed): 20 ft. | DATE WORK COMPLETED: 8-30-11

DRILLING METHOD: ☐ Cable Tool ☐ Driven ☐ Dug ☒ Auger ☐ Rotary ☐ Jetted ☐

DRILLING FLUID: None | WELL HYDROFRACTURED? ☐ Yes ☐ No From ft. To ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering ☐

CASING MATERIAL: ☐ Steel ☒ Plastic | Drive Shoe? ☐ Yes ☒ No ☒ Threaded ☐ Welded ☐

CASING Diameter	Weight	Specifications	HOLE DIAM.
2 in. to ft.	lbs./ft.		8½ in. to 20 ft.
in. to ft.	lbs./ft.		in. to ft.
in. to ft.	lbs./ft.		in. to ft.

SCREEN: PVC | OPEN HOLE From ft. To ft.
Make
Type: Johnson | Diam. 2"
Slot/Gauze: .10 | Length 10'
Set between 10 ft. and 20 ft. | FITTINGS: FLTH

STATIC WATER LEVEL: 11 ft. ☒ Below ☐ Above land surface | Measured from | Date measured

PUMPING LEVEL (below land surface): 15 ft. after hrs. pumping g.p.m.

WELLHEAD COMPLETION: ☐ Pitless/adapter manufacturer | Model
☒ Casing Protection 6" Steel ☐ 12 in. above grade
☐ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well Grouted ☐ Yes ☐ No 0 6 3 X
Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other Cement
From To ft. Yds. Bags
From To ft. Yds. Bags
From To ft. Yds. Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet direction type

Well disinfected upon completion? ☐ Yes ☐ No

PUMP: ☒ Not installed Date installed
Manufacturer's name
Model Number HP Volts
Length of drop pipe ft. Capacity g.p.m.
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE: Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN#

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Mark J. Traut Wells, Inc. — Licensee Business Name
1404 — Lic. or Reg. No.
Paul Traut — Certified Representative Signature
589 — Certified Rep. No.
9-21-11 — Date
Steve Weisbrich — Name of Driller

IC 140-0020

HE-01205-12 (Rev. 12/08)

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 785568

WELL OR BORING LOCATION

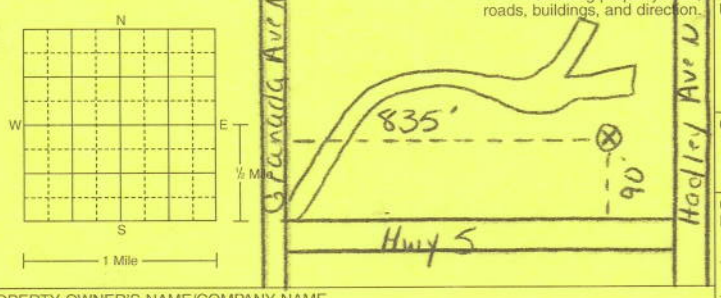
County Name: Washington

Township Name	Township No.	Range No.	Section No.	Fraction
Oakdale	29N	21W	18	NW ¼ NW ¼ SE ¼

GPS LOCATION: N Latitude 44 degrees 32 minutes 21 seconds 7
W Longitude 092 degrees 47 minutes 58 seconds 1

House Number, Street Name, City, and Zip Code of Well Location: Not Assigned Hwy 5 & Granada Ave N. Oakdale 55128 | or Fire Number

Show exact location of well/boring in section grid with "X." Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



PROPERTY OWNER'S NAME/COMPANY NAME: 3M Company

Property owner's mailing address if different than well location address indicated above.

3M Center
Bldg 223-25-31
St. Paul, MN 55144

WELL OWNER'S NAME/COMPANY NAME: Same

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
Fill	Brown	S	0	15
Grvl / Silt	Brn/Gry	S	15	19
Fine Silt	Brn/Gry	S	19	27

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS
WELL OWNER COPY 785568

WELL/BORING DEPTH (completed): 25 ft. | DATE WORK COMPLETED: 8-30-11

DRILLING METHOD: ☐ Cable Tool ☒ Auger ☐ Driven ☐ Rotary ☐ Dug ☐ Jetted

DRILLING FLUID: H20 | WELL HYDROFRACTURED? ☐ Yes ☒ No From ___ ft. To ___ ft.

USE: ☐ Domestic ☒ Monitoring ☐ Heating/Cooling ☐ Noncommunity PWS ☐ Environ. Bore Hole ☐ Industry/Commercial ☐ Community PWS ☐ Irrigation ☐ Remedial ☐ Elevator ☐ Dewatering

CASING MATERIAL: ☐ Steel ☐ Plastic | Drive Shoe? ☐ Yes ☒ No ☒ Threaded ☐ Welded | HOLE DIAM.

CASING

Diameter	Weight	Specifications	HOLE DIAM.
2 in. to ___ ft.	___ lbs./ft.		8½ in. to 25 ft.
___ in. to ___ ft.	___ lbs./ft.		___ in. to ___ ft.
___ in. to ___ ft.	___ lbs./ft.		___ in. to ___ ft.

SCREEN: Monoflex
Make: PVC
Type: Johnson | Diam. 2"
Slot/Gauze: .10 | Length: 10'
Set between 15 ft. and 25 ft. | FITTINGS: FLTH

OPEN HOLE: From ___ ft. To ___ ft.

STATIC WATER LEVEL: 7 ft. ☒ Below ☐ Above land surface | Measured from ___ | Date measured ___

PUMPING LEVEL (below land surface): 12 ft. after 1 hrs. pumping .5 g.p.m.

WELLHEAD COMPLETION
☐ Pitless/adapter manufacturer ___ Model ___
☒ Casing Protection: 6" Steel ☐ 12 in. above grade
☐ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION
Well grouted? ☐ Yes ☐ No | Prtld Cmnt 0 11 7 X
Grout materials: ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other ___
From ___ To ___ ft. ___ ☐ Yds. ☐ Bags
From ___ To ___ ft. ___ ☐ Yds. ☐ Bags
From ___ To ___ ft. ___ ☐ Yds. ☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet ___ direction ___ type
Well disinfected upon completion? ☐ Yes ☐ No

PUMP
☒ Not installed | Date installed ___
Manufacturer's name ___
Model Number ___ HP ___ Volts ___
Length of drop pipe ___ ft. Capacity ___ g.p.m.
Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ ___

ABANDONED WELLS
Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE
Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# ___

WELL CONTRACTOR CERTIFICATION
This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Mark J. Traut Wells, Inc. — Licensee Business Name
1404 — Lic. or Reg. No.
Paul Traut — Certified Representative Signature
589 — Certified Rep. No.
9-21-11 — Date
Steve Weisbrich — Name of Driller

IC 140-0020 HE-01205-12 (Rev. 12/08)

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes, Chapter 103I

MINNESOTA UNIQUE WELL AND BORING NO. 785569

WELL OR BORING LOCATION

County Name: Washington

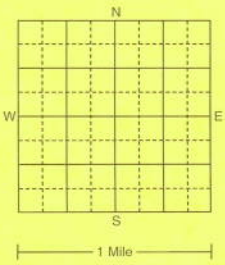
Township Name	Township No.	Range No.	Section No.	Fraction
Oakdale	29N	21W	18	NW ¼ NW ¼ SE ¼

GPS LOCATION: Latitude ____ degrees ____ minutes ____ seconds ____ Longitude ____ degrees ____ minutes ____ seconds ____

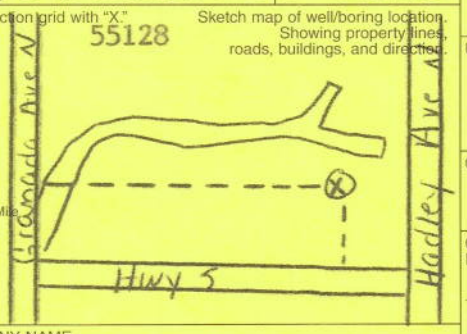
House Number, Street Name, City, and Zip Code of Well Location: Not Assigned Hwy 5 & Grabada Ave

or Fire Number: N Oakdale

Show exact location of well/boring in section grid with "X."



Sketch map of well/boring location. Showing property lines, roads, buildings, and direction.



PROPERTY OWNER'S NAME/COMPANY NAME: 3M Company

Property owner's mailing address if different than well location address indicated above.

3M Center
Bldg 223-25-31
St. Paul, MN 55144

WELL OWNER'S NAME/COMPANY NAME: Same

Well/boring owner's mailing address if different than property owner's address indicated above.

GEOLOGICAL MATERIALS	COLOR	HARDNESS OF MATERIAL	FROM	TO
Fill	Brown	S	0	15
Silt/Little Grvl	Brn/Gry	S	15	44

Use a second sheet, if needed.

REMARKS, ELEVATION, SOURCE OF DATA, etc.

IMPORTANT - FILE WITH PROPERTY PAPERS WELL OWNER COPY 785569

WELL/BORING DEPTH (completed): 44 ft.

DATE WORK COMPLETED: 9-1-11

DRILLING METHOD: ☐ Cable Tool ☒ Auger ☐ Driven ☐ Rotary ☐ Dug ☐ Jetted

DRILLING FLUID: None

WELL HYDROFRACTURED? ☐ Yes ☒ No From ____ ft. To ____ ft.

USE: ☐ Domestic ☐ Noncommunity PWS ☐ Community PWS ☐ Elevator ☐ Monitoring ☐ Environ. Bore Hole ☐ Irrigation ☐ Dewatering ☐ Heating/Cooling ☐ Industry/Commercial ☒ Remedial

CASING MATERIAL: ☒ Steel ☐ Plastic

Drive Shoe? ☐ Yes ☒ No ☐ Threaded ☒ Welded

HOLE DIAM.: 14 in. to 44 ft.

CASING Diameter		Weight	Specifications
6 in. to 24 ft.		lbs./ft.	
in. to ft.		lbs./ft.	
in. to ft.		lbs./ft.	

SCREEN: Make Johnson; Type Stainless Steel; Diam. 6"; Slot/Gauze .10; Length 20'; Set between 24 ft. and 44 ft.; FITTINGS welded

OPEN HOLE: From ____ ft. To ____ ft.

STATIC WATER LEVEL: 19 ft. ☒ Below ☐ Above land surface; Measured from ____; Date measured ____

PUMPING LEVEL (below land surface): 22 ft. after 3 hrs. pumping 12 g.p.m.

WELLHEAD COMPLETION: ☐ Pitless/adapter manufacturer ____ Model ____; ☐ Casing Protection ____ ☐ 12 in. above grade; ☐ At-grade (Environmental Well and Boring ONLY)

GROUTING INFORMATION: Well grouted ☐ Yes ☐ No; Grout materials ☐ Neat cement ☐ Bentonite ☐ Concrete ☐ Other ____

Neat Cement 8 18 10 X

From ____ To ____ ft. ____ ☐ Yds. ☐ Bags

From ____ To ____ ft. ____ ☐ Yds. ☐ Bags

From ____ To ____ ft. ____ ☐ Yds. ☐ Bags

NEAREST KNOWN SOURCE OF CONTAMINATION: N/A feet ____ direction ____ type

Well disinfected upon completion? ☐ Yes ☐ No

PUMP: ☒ Not installed; Date installed ____

Manufacturer's name ____

Model Number ____ HP ____ Volts ____

Length of drop pipe ____ ft. Capacity ____ g.p.m.

Type: ☐ Submersible ☐ L.S. Turbine ☐ Reciprocating ☐ Jet ☐ ____

ABANDONED WELLS: Does property have any not in use and not sealed well(s)? ☐ Yes ☒ No

VARIANCE: Was a variance granted from the MDH for this well? ☐ Yes ☒ No TN# ____

WELL CONTRACTOR CERTIFICATION

This well was drilled under my supervision and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Mark J. Traut Wells, Inc. — Licensee Business Name

1404 — Lic. or Reg. No.

Paul Traut — Certified Representative Signature

589 — Certified Rep. No.

9-21-11 — Date

Steve Weisbrich — Name of Driller

IC 140-0020

HE-01205-12 (Rev. 12/08)

APPROVAL OF FEASIBILITY STUDY

Minnesota Pollution Control Agency

520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 1-800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

March 13, 2008

CERTIFIED MAIL NO. 7002 0510 0001 9397 2817
RETURN RECEIPT REQUESTED

Post-it® Fax Note 7671	Date 3/17/08	# of pages ▶ 3
To Bob Pasche	From Gary Krueger	
Co./Dept. 3M	Co. MPCA	
Phone # 651 778 5766	Phone # 651 296 6139	
Fax # 651 778 7263	Fax #	

Mr. Gary A. Hohenstein
Manager, Special Projects
EHS Operations
3M Company
Building 42-2E-05
St. Paul, MN 55144

RE: Settlement Agreement and Consent Order Dated May 22, 2007
3M Oakdale Disposal Site - Feasibility Study

Dear Mr. Hohenstein:

Under terms outlined in the Settlement Agreement and Consent Order (Consent Order) between the 3M Company and the Minnesota Pollution Control Agency (MPCA), 3M was required to submit a Feasibility Study (FS) Report for the 3M Oakdale Disposal Site (Site) on or before January 28, 2008. 3M did submit the FS Report on January 28, 2008, per the requirements specified in the Consent Order.

3M evaluated options and developed remedial alternatives to address releases of perfluorochemicals (PFCs) to soil, ground water and surface water at the Oakdale Disposal Site. 3M has recommended the following actions to address PFC contamination at the Site:

- Site wide institutional controls, access restriction and ground water monitoring,
- An enhanced ground water recovery system, with pretreatment of contaminated ground water prior to discharge to sanitary sewer, and
- Excavation of contaminated soil, the amount of which to be determined by the MPCA, and disposal in an off-site disposal facility.

MPCA staff concurs that appropriate institutional controls must be put in place for the Site. This must be in the form of an environmental covenant and easement which is executed pursuant to the Uniform Environmental Covenants Act, Minn. Stat. ch. 114E. A template for this environmental covenant has been forwarded to 3M by MPCA staff. 3M shall prepare a draft of this covenant and forward to MPCA for review. Please note, that this covenant should not only include the Abresch portion of the Site, but also the Brockman portion. Appropriate access controls will also need to be maintained, especially during any future construction activities. A MPCA approved long-term ground water monitoring program will also be required.

MPCA staff concurs that an enhanced ground water recovery system is needed at the Site to control off-site migration of PFC contaminated ground water. 3M has requested in a February 28, 2008 letter the ability to proceed with activities related to the installation of additional ground water recovery wells. This was requested under terms of the Consent Order which allow for interim actions at the Site which will expedite completion of the final remedy. As stated in your request, the ground water remedy proposed would be implemented regardless of which soil remedial action alternative is selected, and conditions at this time are better suited for placement of extraction wells in some areas of the Site. The MPCA concurs that 3M's proposal to initiate construction of extraction wells for an enhanced ground water recovery system at the Site is consistent with terms outlined in the Consent Order for implementation of interim actions, and is therefore approving the initiating of these activities as outlined in your February 28, 2008 letter. Please note that the final selection of the comprehensive ground water remedy for the Site is still subject to review and modification by the MPCA as part of the remedy selection process.

As was indicated in the FS, controlling PFC contaminated ground water through the enhanced ground water recovery system will also control discharges of ground water to surface water, principally to Raleigh Creek. As you are aware, the MPCA has recently conducted additional sampling activities of surface water and sediment in Raleigh Creek and Eagle Point Lake to evaluate releases of PFCs from the Site to those surface water bodies. 3M did not propose direct remedial actions to those surface water bodies in the FS Report. In addition, as directed by the MPCA, 3M is planning to install an additional ground water monitoring well south of Eagle Point Lake. Based on pending analytical results, additional actions may be necessary to address PFC contamination to surface and ground water to the east and southeast of the Site.

3M has proposed the excavation and off-site disposal of PFC contaminated soil from the area of the Site north of Highway 5. The proposal consisted of three alternatives, which differ in the amount of soil to be excavated. MPCA staff have reviewed each of the soil alternatives and intend to recommend that Soil Alternative S-3 be implemented. Soil Alternative S-3 included the removal of accessible soils in affected areas, along with additional removal of soils below the accessible zone down to ground water. This additional soil removal will assist in the acceleration of removal of PFCs from ground water. In addition, since the long term plan for this area will eventually be unrestricted access, the environmental covenant to be implemented will need to include the requirement that sufficient monitoring and maintenance activities are in place to control exposure to potentially or remotely accessible soils.

3M has stated that the excavated soil would be removed and disposed in a permitted off-site disposal facility. The final disposal facility was not identified in the FS. The MPCA believes that it is important to the public that this information be included in the final remedy selection for the Site. The MPCA recognizes that 3M did conduct a screening of technological options for the soil remedy, and in compliance with terms of the Consent Order, presented options to excavate and isolate PFC contaminated soil. However, under terms of the Consent Order (Exhibit C, Part III F.), a description of off-site disposal facilities reviewed and considered, along with the recommended facility, should be included in the FS Report. This information is also needed so that the MPCA can determine whether the selected soil removal and disposal alternative meets the requirement of the Consent Order which gives primary consideration to the excavation and destruction of PFCs, or excavation, engineered isolation and containment of PFCs.

The MPCA hereby approves the FS Report, as modified, with the requirement that 3M submit the additional information described above concerning the final disposal location and handling of PFC contaminated soil within 30 days of receipt of this letter. By approving the FS Report, MPCA is not approving the use of any particular off-site disposal facility for excavated waste. MPCA will review the additional information required to be submitted regarding off-site disposal for compliance with the terms of the Consent Order, including any applicable or relevant and appropriate environmental requirements for that aspect of the remedy. Any final determination affecting the use of a particular off-site disposal facility must also be consistent with all regulatory requirements applicable to that facility.

Following the submittal and review of the additional information concerning off-site disposal, MPCA will identify the overall remedy which the Commissioner proposes to select for the 3M Oakdale Disposal Site under the Consent Order. The proposed remedy will then be available for public comment and will be the subject of a public meeting as provided in the Consent Order before the Commissioner selects the remedy for the Site.

If you have questions, please call Doug Wetzstein at 651/297-8609, or Gary Krueger at 651/296-6139.

Sincerely,

Kathryn J. Sather

Kathryn J. Sather
Director
Remediation Division

KJS:csa

cc: Brian Bachmeier, City of Oakdale
David Jessup, City of Woodbury
John Line Stine, Minnesota Department of Health

APPROVAL OF SVE SYSTEM INSTALLATION

Minnesota Pollution Control Agency
520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

July 23, 2008

Mr. Gary A. Hohenstein
Manager, Special Projects
EHS Operations
3M Company
Building 42-2E-05
St. Paul, MN 55144

RE: 3M Oakdale Disposal Site (Site) – Feasibility Study
Interim Response Action
Temporary Soil Vapor Extraction System

Dear Mr. Hohenstein:

On June 10, 2008 and June 25, 2008, 3M representatives, along with staff from Weston met with Minnesota Pollution Control Agency (MPCA) staff to discuss actions regarding management of contaminated soils and potential control of odors during planned excavations in the portion of the Site north of Highway 5. This was one area of concern raised at the May 22, 2008 public meeting and in comments received by the MPCA during the public comment period for the proposed cleanup plan.

In particular, sample results obtained during the completed Remedial Investigation identified an area with levels of Volatile Organic Compounds (VOCs) that would be of such level as to potentially cause odor issues to nearby residences. As 3M has stated, specific odor control measures will be detailed in the Remedial Design/Remedial Action (RD/RA). The plan is to be submitted by 3M for review and approval by the MPCA prior to excavation activities beginning.

To reduce the potential for odor problems during excavation activities, 3M has proposed installing a temporary Soil Vapor Extraction (SVE) system in the area of the site north of Highway 5. This was proposed and outlined in a July 2, 2008 letter from James Kotsmith to Douglas Wetzstein. 3M has proposed this action as an Interim Response Action as outlined in Exhibit C, Section IV.B. of the Settlement Agreement and Consent Order between 3M and the MPCA.

The MPCA has reviewed 3M's request and does hereby approve of the proposal to install a temporary SVE system as outlined in 3M's July 2, 2008 letter referenced above.

Prior to installation of this system, 3M shall provide a detailed design of the system to be installed for review/approval by the MPCA, and which shall include but not be limited to the following:

- Appropriate provisions and controls to monitor conditions during operation, especially since the main VOCs at the Site include flammable compounds such as xylene, toluene, and ethyl benzene.
- An appropriate sampling and monitoring plan to account for VOC concentrations, including those at lower concentration levels.
- Details regarding record-keeping for the SVE system operation and performance.
- Noise controls and planned hours of operation

Prior to beginning installation and operation of the SVE system, 3M shall also notify the City of Oakdale and nearby residences of the installation plans.

If you have questions, please call Doug Wetzstein at 651-297-8609, or Gary Krueger at 651-296-6139.

Sincerely,

Kathryn J. Sather

Kathryn J. Sather
Director
Remediation Division

KJS:csa

cc: Brian Bachmeier, City of Oakdale
John Freitag, Washington County Department of Public Health
Jim Kelly, Minnesota Department of Health

FINAL MDD APPROVAL

Minnesota Pollution Control Agency
520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

November 19, 2008

CERTIFIED MAIL NO. 7007 3020 0000 0962 9636
RETURN RECEIPT REQUESTED

Mr. Gary A Hohenstein
Manager, Special Projects
EHS Operations
3M Company
Building 42-2E-05
St. Paul, MN 55144

RE: Minnesota Decision Document – 3M Oakdale Disposal Site

Dear Mr. Hohenstein:

Enclosed is a copy of the signed Final Minnesota Decision Document (MDD) regarding the Minnesota Pollution Control Agency (MPCA) selected remedy for cleanup of Perfluorochemicals wastes at the 3M Oakdale Disposal Site. This MPCA MDD was approved by the MPCA Commissioner on November 4, 2008. A copy was also faxed to Jim Kotsmith of 3M Company on November 5, 2008. This letter serves as official notice of this MDD approval.

Under terms of the May 2007 Settlement Agreement and Consent Order (Consent Order) between the MPCA and 3M (Exhibit D – Remedial Design/Remedial Action Implementation (RD/RA)), 3M shall submit a RD/RA Plan for review and approval to the MPCA within 90 days of notification of the selected remedy. Therefore, 3M shall submit the RD/RA Plan which meets the terms and conditions of the May 2007 Consent Order to the MPCA by February 19, 2009.

If you have any questions, please contact Gary Krueger of my staff at 651-757-2509.

Sincerely,

Kathryn Sather

Kathryn Sather
Division Director
Remediation Division

KS:csa

cc: Robert Paschke, 3M Company
Jim Kotsmith, 3M Company
Alan Williams, Office of Attorney General
Brian Bachmeier, City of Oakdale
James Kelly, Minnesota Department of Health
Margaret Gielniewski, U.S. Environmental Protection Agency, Region V

MINNESOTA DECISION DOCUMENT

3M Oakdale Disposal Site
City of Oakdale, Washington County, Minnesota

SITE DESCRIPTION

Background

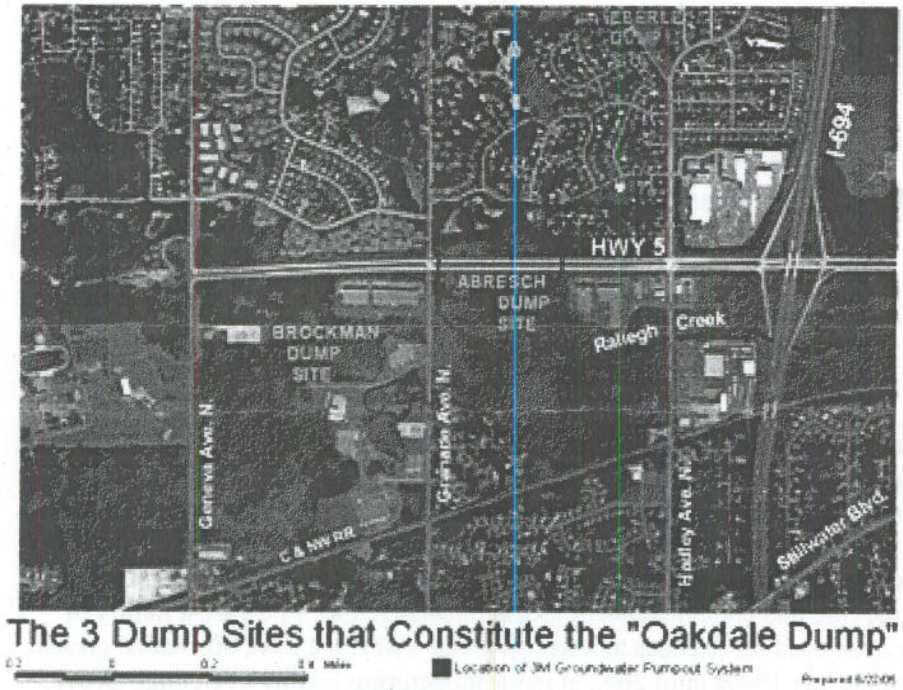
The 3M Oakdale Disposal Site (aka Oakdale Dump Site) is located along State Highway 5 in Oakdale, just west of Interstate 694. (Figure 1) The Site is listed on both the state and federal Superfund lists. It consists of three old dump sites (called the Abresch, Brockman, and Eberle Sites) at which the St. Paul based 3M Company and other companies disposed of industrial wastes containing Volatile Organic Compounds (VOCs) during the late 1940s and 50s. Disposal methods included burial and open burning. 3M also disposed of wastes at the Site that contained Perflourochemicals (PFCs). PFCs are a family of synthetic compounds that have been used for decades to make products that resist heat, oil, stains, grease and water. 3M made PFCs from the late 1940s until 2002 at its manufacturing facility in Cottage Grove, Minnesota. However, the potential risks of PFCs and their presence in the environment have only become generally known to environmental regulators since the year 2000.

The Site was placed on the Superfund lists in the early 1980s due to soil and ground water contamination from VOCs, typically industrial solvents. In 1983, the MPCA, 3M and the United States Environmental Protection Agency (U.S. EPA) entered into a Response Order by Consent (1983 Consent Order (CO)) requiring 3M to investigate and implement response actions at address releases of VOCs at the Site. 3M implemented investigations and cleanup actions to address VOCs under the 1983 CO.

Cleanup actions to address VOC releases to soil and ground water at the Site included removing a large volume of waste material and contaminated soil, covering the Site with clean soil, and installing monitoring wells and a ground water pump-out system in 1984-85. The pump-out system is still in operation today. Some nearby residences whose shallow wells had VOCs in them were connected to the municipal water supply.

In 2004, after 3M disclosed that industrial wastes containing PFCs were disposed at the Oakdale Site, MPCA requested 3M to collect ground water samples from wells at the Site to be analyzed for Perfluorooctonoate (PFOA) and Perfluorooctane Sulfonate (PFOS). Results of these samples showed that PFOA and PFOS were present in the ground water at the Site. MPCA subsequently requested 3M to conduct a supplemental investigation to determine the extent and magnitude of releases of PFOA and PFOS to the environment at the Site. 3M completed this supplemental investigation in September 2006.

Figure 1



The 3 Dump Sites that Constitute the "Oakdale Dump"

STATEMENT OF PURPOSE

This Minnesota Decision Document (MDD) presents the selected response actions for PFC contamination at the 3M Oakdale Disposal Site and summarizes the facts and determinations made by the MPCA staff in approving the recommended response action alternatives.

Soil and ground water at the Site are impacted with PFCs and VOCs. Previous response actions have been taken by 3M to address VOC releases. The selected response actions in this MDD are intended to prevent human receptors and the surrounding environment from being exposed to contaminated environmental media that is currently on-site.

The Commissioner or his delegate has determined that the response actions set forth in this MDD are reasonable and necessary to protect the public health and welfare and the environment from the release and threatened release of PFCs from the Site.

DESCRIPTION OF PROBLEM

PFCs at the 3M Oakdale Disposal Site

Wastes containing PFCs were disposed at the Oakdale Site. These wastes have been released in the soil at the Site, to ground water flowing beneath the Oakdale Disposal Site, and to surface water in the vicinity of the Site. Ground water contaminated by PFCs has impacted the city of Oakdale's municipal wells and a number of private wells in western Lake Elmo.

The MPCA has installed Granular Activated Carbon (GAC) filters at a number of residences in Lake Elmo to remove PFCs from drinking water that exceeds the Minnesota Department of Health (MDH) health-based limits. 3M installed large carbon filters in 2006 at the Oakdale municipal water utility and provided a grant to the city of Lake Elmo to connect residences to the municipal water supply.

The MPCA and 3M signed a Settlement Agreement and CO on May 22, 2007 (2007 CO) requiring 3M to conduct an investigation and cleanup of PFC releases at and from the 3M Oakdale Disposal Site and two other 3M Disposal Sites (the 3M Woodbury and 3M Cottage Grove Disposal Sites). As part of its obligations under the agreement, 3M completed Remedial Investigations (RI) and Feasibility Studies (FS) for the Site, the focus of which was to identify threats to public health or the environment from releases of PFCs. The 2007 CO also required that in developing cleanup alternatives, primary consideration should go to those that excavate and destroy remaining PFC wastes; or excavate and dispose of PFC wastes in a permitted isolated, engineered containment facility.

The RI for the Oakdale Site showed that despite previous cleanup actions to address VOC releases, PFCs remained in a part of the Site called the Abresch area. The Abresch area is owned by 3M and covers about 55 acres straddling Highway 5 and bounded on the north by upper 35th Street, on the east by Hadley Avenue, on the south by railroad tracks, and on the west by Granada Avenue. The area north of Highway 5 is the location of proposed excavation and removal of PFC-contaminated material. There currently is a temporary fence in this area to control access during these activities. After excavation activities are completed, the area will be returned to an unfenced open space which 3M will monitor and maintain.

The part of the Abresch area south of Highway 5 was the primary location of previous removal actions to address VOCs and is where the previously constructed ground water pump-out system is located. Additional pump-out wells will be installed in this portion of the Site. This part of the Site will remain fenced to control access. One additional pump-out well will be located in the area north of Highway 5.

The objective of the FS is to evaluate various response action alternatives which address PFCs in soil and ground water at the Site, and to provide a recommendation for implementation. The MPCA reviewed and evaluated the alternatives and recommended a proposed cleanup plan for the Site.

The FS for the Oakdale Site was developed using guidance and remedy screening criteria developed by the U.S. EPA which are used in the federal and Minnesota Superfund programs. The FS evaluates, compares, and contrasts each remedy alternative for:

- short and long-term effectiveness
- reduction of toxicity, mobility, or volume through treatment
- implementability
- cost effectiveness
- overall protection of human health and the environment.

Summary of Alternatives

Remedy alternatives were developed in three categories: Site-Wide (SW), Soils (S), and Ground Water (GW). The following alternatives were developed for the FS:

Alternative SW-1 -- No Further Action. Standard baseline option evaluated at all Superfund Sites.

Alternative SW-2 – Institutional controls, access restriction, and ground water monitoring. Would include restrictive covenants to ensure that the future use of the area is limited to industrial/commercial purposes, fencing to restrict access, and prohibitions on new drinking-water wells. Ground water monitoring would continue for the long term.

Alternative GW-1 - Enhanced ground water recovery; air stripping and GAC pretreatment prior to sanitary sewer discharge. This alternative would expand and improve the existing pump-out system to capture and prevent migration of contaminants southeast of Highway 5, as well as decrease capture time north of the highway. This alternative would also control discharge of PFC contaminated ground water to surface water, most notably to Raleigh Creek. Discharge from the system would be treated by an air stripper to remove VOCs and by GAC filtration to remove PFCs, and then discharged via pipeline to a municipal wastewater treatment plant. PFCs are permanently destroyed when carbon filters are thermally regenerated. GW-1 was the only ground water alternative proposed in the FS. This type of system has been proven to be effective. MPCA has already approved the installation of the additional ground water pump-out wells as an interim response action under the 2007 CO. 3M is installing those wells and they will be operational prior to and during the excavation activities.

Alternative S-1 – Excavate soils to depth of 4 feet and disposal at a permitted industrial waste landfill for engineered, isolated containment. The three soil alternatives all are designed to remove PFCs in soils at the Site and reduce migration of PFCs from soils to ground water; they differ mainly in volume of soil removed and in degree of prevention of migration to ground water. Excavated areas under each of these alternatives would be replaced with clean fill.

Alternative S-2 –Same as S-1 but with deeper excavation (from 4-8 feet) to remove soil concentrations down to 30 ppm PFOS (the most environmentally serious PFC at this Site).

Alternative S-3 -- Same as S-1 but with deeper excavation (from 4 feet to the water table) to remove soil concentrations down to 6 ppm PFOS.

3M also submitted an Addendum to the FS which outlined proposed off-site disposal locations. 3M is recommending that the excavated PFC wastes from the Oakdale Site be taken to the SKB Landfill in Rosemount, Minnesota. SKB has proposed to build a separate engineered cell within its existing industrial waste containment facility at the SKB disposal facility to contain the excavated PFC-contaminated material. This separate cell would also be used for PFC wastes excavated from the Woodbury and Cottage Grove Disposal Sites. The MPCA has determined that the construction of this separate cell at the SKB Landfill for containment of PFC wastes from the 3M Disposal Sites meets the terms of the 2007 CO for engineered isolation and containment. The permit that MPCA recently re-issued to SKB allows for construction of this separate cell. Leachate from this separate PFC waste disposal cell will be collected and taken to the 3M Cottage Grove plant wastewater facility for treatment prior to discharge.

DOCUMENTS REVIEWED

MPCA's decision to select the remedy set forth in this MDD is based primarily on the following documents describing the Site as well as the effectiveness and cost analysis of response action alternatives for the Site.

- Ground Water Data Assessment Report Fluorochemical Investigation – 3M Company, July 2005
- Supplemental Fluorochemical Data Assessment Report – 3M Company, September 2006
- Assessment of the Effectiveness of the Existing Ground Water Recovery System – 3M Company, April 2007
- Remedial Investigation Report – Oakdale Disposal Site – 3M Company, June 2007
- Feasibility Study – Oakdale Disposal Site – 3M Company, January 2008
- Addendum to the Feasibility Studies for the Oakdale, Woodbury and Cottage Grove Sites - 3M Company, April 2008

ESTABLISHMENT OF RESPONSE ACTION OBJECTIVES AND SOURCE AREA CLEAN-UP CONCENTRATIONS

Response action objectives have been developed by the MPCA to minimize human exposure risk. Soil exposures will be addressed by removal of PFC contaminated soil, as well as backfilling with clean soil. Contaminated ground water will be controlled from migrating off-site to avoid impact to drinking water supplies and adjacent surface water bodies. Ground water that is pumped-out will be treated prior to discharge to the sanitary sewer system, thus reducing potential impacts to surface water bodies. The 2007 CO requires primary consideration be given to the excavation and destruction or excavation and engineered isolation and containment of PFCs at the Site. Response action objectives have been developed using Applicable or Relevant and Appropriate Requirements (ARARs) and are based on soil and ground water contamination data present in the MPCA Site files. The ARAR and other criteria considered by MPCA in selecting a remedy for the Site are listed below:

1. 29 CFR 1926. OSHA regulations for persons engaged in site-related activities
2. 40 CFR 264. Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities
3. 40 CFR 265. Interim Status Standards for Owners of Hazardous Waste Treatment, Storage and Disposal Facilities
4. 40 CFR 268. Land Disposal Restrictions
5. Minn. Stat. 103A. Provides State jurisdiction over surface water features, including wetlands such as lakes and ponds, and other wetland types
6. MPCA Soil Reference Values (SRVs)
7. MDH Health Risk Limits (HRLs) and/or Health Based Values (HBVs)

A. Response Action Objectives

The objectives for response actions at the Site are:

1. To eliminate unacceptable human risk exposure to PFCs in soil.
2. To reduce unacceptable human risk exposure to PFCs in ground water.
3. To reduce PFC concentrations in the surface water.
4. Re-establish an open space as a natural asset to the community.

RESPONSIVENESS SUMMARY

Pursuant to Minn. Stat. § 115B.17, subd. 2b (2006), the MPCA issued a public notice describing the MPCA-recommended response actions. The public notice was published in The Oakdale/Lake Elmo Review for the purpose of soliciting comments from the community. MPCA staff also held a public meeting at Oakdale City Hall to discuss alternatives and provide the public the opportunity to ask questions and provide comments on the proposed remedy. Three written comments were received at the public meeting.

One of the primary written comments received, along with comments made during the public meeting, concerned odors during excavation activities.

The area planned for excavation does contain some VOC concentrations which may cause odor issues. 3M has proposed, and the MPCA has approved, the installation of a Soil Vapor Extraction System (SVE) to reduce levels of VOCs found in soil, thus reducing potential for odor problems during excavation activities.

This system is installed and will operate until excavation activities commence. 3M has coordinated these activities with the City of Oakdale, and sent information concerning this installation to nearby residences.

Another primary comment received at the public meeting was to keep the public informed of activities at the Site. 3M has committed to keeping the public informed and aware of all activities undertaken or planned for the Site throughout implementation of cleanup actions. 3M intends to have additional public meetings and/or informational mailings to update the residences of future activities, and has established an informational repository at the Oakdale City Library. MPCA will provide updates on response actions at the Site through fact sheets available on MPCA's website and by quarterly reports to the MPCA Citizen Board at a regularly scheduled public meeting.

One other written comment received expressed concern that the investigations and proposed cleanup plans are taking too long and that 3M was not cooperating with the MPCA. In the 2007 CO with 3M, MPCA set specific time frames for completing the investigation and cleanup at the Oakdale Site. 3M has met all due dates and submittals required under the 2007 CO.

In addition to the written comments received at the public meeting, four comment letters were received during the public comment period.

One comment received from an environmental advocate, while commending the MPCA's work on this project, asked about MPCA's rationale for the proposed level of soil to be excavated. The MPCA makes decisions regarding the amount and concentrations of soil to be excavated based on SRVs for PFCs developed by MPCA staff. SRVs were developed to assist MPCA staff in the determining risks and making cleanup decisions related to potential human exposure to contaminated soil under certain land use conditions. In this case, all of the accessible soil in the affected area that exhibits PFC contamination will be excavated down to four feet below the ground surface and disposed off-site. In addition, those affected areas of PFC contaminated soil which exhibit concentrations of greater than 6 ppm of PFOS below four feet, will be excavated down to the water table. This concentration of 6 ppm is one-half of the Industrial SRV for PFOS.

This amount of excavation will remove greater than 95 percent of the mass of PFOS and PFOA in the affected area. The minimal amount of PFOS and PFOA that will remain and potentially migrate to ground water will be contained by the enhanced ground water control system. 3M currently owns this area of the Site and will continue to own this area. 3M will be required to record environmental covenants which impose land use restrictions to ensure that this area will not be redeveloped for residential use.

A second comment letter was received from the Washington County Board and the Washington County Department of Public Health, and commended the MPCA on the cleanup being proposed at the Site. One issue that the County would like to see evaluated further is the potential for beneficial re-use of the pump-out water. The current plan is to treat the pump-out water prior to discharge to the sanitary sewer. While the MPCA cannot dictate the use of the pump-out water for beneficial purposes, the MPCA can relay this recommendation to 3M for further consideration. The primary concern for the MPCA is that contaminated ground water is appropriately treated prior to discharge to ensure that receiving waters are adequately protected. As noted earlier, the MPCA has approved the installation of the additional ground water pump-out wells and those will be operational prior to and during the excavation activities.

A third comment letter was received from the Dakota County Environmental Management Department. The letter requested clarification as to how MPCA determines whether excavated soils must be managed and disposed as hazardous waste. Wastes containing PFCs have not been listed as hazardous wastes under state or federal hazardous waste regulations. The 2007 CO specified that excavated wastes from the 3M Disposal Sites cannot be considered hazardous waste based solely on the presence of PFCs.

Thus, the determination as to whether excavated soils are hazardous waste would need to be made on the basis of other contaminants or characteristics of the material. As noted, the area of excavation does contain soil contaminated with VOCs. Certain VOCs present at the Site (principally Toluene) are listed as hazardous waste in MPCA rules. However, under U.S. EPA guidance, contaminated media containing listed hazardous wastes removed from a Superfund Site may be disposed at an approved non-hazardous waste landfill if the concentrations of the contaminated media are below appropriate Industrial SRVs. 3M will be required to prepare a waste management plan outlining procedures for handling and disposal of the excavated soils. Any soils which exhibit VOC concentration levels above MPCA designated criteria will be required to be managed and disposed as hazardous waste, and thus will not be allowed to be disposed of at SKB. In addition, as noted above, 3M has been approved to install a SVE system in the area to be excavated. This will not only reduce the odor potential, but is expected to lower the concentrations of VOCs in the soil to levels below Industrial SRVs. 3M will be required to submit to the MPCA, updated soil analytical data following the operation of the SVE system and request a determination be made as to whether the excavated soil can be disposed as non-hazardous waste based on the concentrations of VOCs in the soil.

A fourth comment letter was received from a law firm representing the plaintiffs in a civil action against 3M. The commenter stated that 3M should remain financially responsible for the full cost of the cleanup at the Site. Under the 2007 CO, 3M is financially responsible for the entire cost of the cleanup, not only for 3M's direct costs of the cleanup, but for all costs associated with operation and maintenance to ensure the selected remedy remains protective, and for all MPCA costs to provide oversight of 3M actions. The commenter also stated that the citizens of Minnesota should receive the best cleanup plan regardless of cost. As noted previously, for feasibility studies done at Minnesota Superfund Sites the MPCA evaluates the alternatives, determines the effectiveness and implementability of each, reviews the cost effectiveness; and above all, determines if the proposed remedy is protective of public health and the environment. In this case, the MPCA has determined that the selected remedy for cleanup of releases of PFCs at the Oakdale Site is the best overall remedy. The commenter also stated that the excavated material be disposed at a more secure location than proposed. As noted previously, the SKB permit issued by the MPCA allows the construction of a separate cell to contain PFC contaminated wastes excavated from the 3M Disposal Sites. This permit specified requirements for design, construction and monitoring of this separate cell. As also noted previously, this facility meets the terms of the 2007 CO for disposal of PFC contaminated wastes in an engineered, isolated containment facility.

A copy of the Final MDD will be sent to 3M, the MDH, the City of Oakdale, the U.S. EPA and those submitting written comments regarding the proposed remedy.

MPCA's Selected Remedial Actions for the 3M Oakdale Disposal Site

The MPCA has selected a combination of the following alternatives outlined in the January 2008 FS as the remedy for PFC releases at and from the 3M Oakdale Disposal Site:

Alternative SW-2: Institutional Controls, Access Restriction, and ground water monitoring.

Institutional controls must be executed pursuant to the Minnesota Uniform Environmental Covenants Act, Minn. Stat. ch. 114E. A long term ground water monitoring plan will need to be submitted and approved by the MPCA, which includes appropriate monitoring of Raleigh Creek.

Alternative GW-1: Enhanced ground water recovery; air stripping/GAC pretreatment prior to sanitary sewer discharge. 3M will obtain appropriate Metropolitan Council Environmental Services permit for discharge of water to sanitary sewer. Monitoring of treated water discharged to the sanitary sewer system shall be done in accordance with an approved MPCA monitoring plan. As previously approved by the MPCA, 3M has begun installation of the ground water recovery system.

Alternative S-3: Excavation from 0-4 feet, enhanced soil removal in areas with greater than 6 ppm PFOS from four feet to water table, and disposal at existing off-site landfill. The MPCA has determined that the permitted SKB industrial waste disposal facility in Rosemount, with a separate cell for the PFC wastes, meets the requirement of the 2007 CO for an isolated, engineered containment facility for the excavated PFC waste material. The MPCA has further determined that the excavation and off-site disposal of PFC contaminated material from the Oakdale Disposal Site is necessary to protect public health and the environment from potential risk associated with the continued presence of the PFC contaminated materials. 3M shall submit for approval to the MPCA a waste management plan for the management and disposal of PFC-contaminated material excavated from the Site. In addition, under terms of the 2007 CO, and approved by the MPCA, 3M has installed a SVE, in the area of the Site to be excavated. The MPCA has determined that this combination of alternatives best meets the response action objectives for the Site, and meets the terms and conditions of the 2007 CO between 3M and the MPCA.

STATUTORY DETERMINATIONS

The selected response actions are consistent with the Minnesota Environmental Response and Liability Act, Minn. Stat. §§ 115B.01-.20, and are not inconsistent with the Federal Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601 *et seq.*, and the National Contingency Plan, 40 CFR pt. 300. The selected response actions are protective of public health and welfare and the environment.

Brad Moore 11/4/08

Brad Moore
Commissioner
Minnesota Pollution Control Agency

Date

3M Oakdale Disposal Site

Proposed cleanup plan for PFCs

Minnesota Pollution Control Agency

Remediation Division, Superfund Program

c-s3-06 • May 2008

The Minnesota Pollution Control Agency is proposing a cleanup plan for the 3M Oakdale Disposal Site in Oakdale, Minn. The plan addresses contamination related to perflurochemicals (PFCs) in wastes disposed of at the site by the 3M Company. This fact sheet describes the proposed plan and how the public can comment on the proposed cleanup alternative.

Background

The 3M Oakdale Disposal Site is located along State Highway 5 in Oakdale, just west of Interstate 694. The site is listed on both the state and federal Superfund lists. It consists of three old dump sites (called the Abresch, Brockman, and Eberle sites) at which the St. Paul-based 3M Company and other companies legally disposed of industrial wastes during the late 1940s and 50s. Disposal methods included burial and open burning.

The site was placed on the Superfund list in the 1980s due to soil and ground-water contamination from volatile organic compounds (VOCs), typically solvents. 3M completed site investigations and cleanup actions to address VOCs. Some nearby residences whose shallow wells had VOCs in them were put on city water.

Cleanup actions to address soil and ground-water contamination at the site included removing a large volume of waste material and contaminated soil, covering the site with clean soil, and installing monitoring wells and a ground-water pump-out system in 1984-85. The pump-out system is still in operation today.

PFCs at the 3M Oakdale disposal site

In 2004, PFCs were detected in pump-out wells at the 3M Oakdale Disposal Site. Prior to this time, the MPCA did not have analytical capabilities to sample and analyze for PFCs. PFCs are a family of synthetic compounds that have been used for decades to make products that resist heat, oil, stains, grease and water. 3M made PFCs from the late 1940s until 2002 at its manufacturing facility in Cottage Grove, Minn.

PFC-containing wastes were legally disposed of in four dumps or landfills (including, besides the Oakdale site, the 3M Woodbury site, Washington County Landfill, and disposal areas at the Cottage Grove facility). These wastes have contaminated ground water flowing beneath the disposal sites, which impacted several of the city of Oakdale's municipal wells and a number of private wells in western Lake Elmo. The MPCA has installed granular activated carbon (GAC) filters at a number of residences in Lake Elmo to remove PFCs from drinking water that exceeds the MDH health-based exposure limits. 3M installed large carbon filters in 2006 at the Oakdale municipal water utility and provided a grant to the city of Lake Elmo to connect residences to the municipal water supply.

Site investigations

The MPCA and 3M signed a Settlement Agreement and Consent Order in May 2007 governing investigation and cleanup of the four waste sites. As part of the agreement 3M completed Remedial Investigations (RI) and Feasibility Studies

Minnesota Pollution Control Agency • 520 Lafayette Rd. N., St. Paul, MN 55155-4194 • www.pca.state.mn.us
651-296-6300 • 800-657-3864 • TTY 651-282-5332 or 800-657-3864 • Available in alternative formats

(FS) for the sites, the focus of which was to identify any remaining threats to public health or the environment from releases of PFCs at the sites. The Consent Order also required that in developing cleanup alternatives, primary consideration should go to those that excavate and destroy remaining PFC wastes; or excavate and dispose of PFC wastes in a permitted isolated, engineered containment facility.

The RI for the Oakdale site showed that previous cleanup actions had not removed all residual PFCs in a part of the site called the Abresch area. The Abresch area is shown on page 4. Straddling Highway 5, it is bounded on the north by upper 35th Street, on the east by Hadley Avenue, on the south by railroad tracks, and on the west by Granada Avenue. The Abresch area is owned by 3M and covers about 55 acres. The area north of Highway 5 is the location of proposed excavation activities. There currently is a temporary fence in this area to control access during these activities. After excavation activities are completed, the area will be returned to an unfenced open space which 3M will maintain.

The part of the Abresch area south of Highway 5 was the primary location of past waste removal actions and is where the current ground-water pump-out system is located. Additional pump-out wells will be installed in this portion of the site. This part of the site will remain fenced to control access. One additional pump-out well will be located in the area north of Highway 5.

Feasibility study

The objective of the FS is to evaluate various response action alternatives which address PFCs in soil and ground water at the site, and to provide a recommendation for implementation. The MPCA has reviewed the alternatives and is now ready to present its proposed plan for the site.

The FS for the Oakdale site was developed with guidance and screening criteria from by the U.S. Environmental Protection Agency which are used in the federal and Minnesota Superfund programs. The FS evaluates, compares, and contrasts each alternative for:

- short and long-term effectiveness
- reduction of toxicity, mobility, or volume through treatment
- implementability
- cost effectiveness
- overall protection of human health and the environment.

The FS for the 3M Oakdale site is available on the MPCA's Web page at www.pca.state.mn.us/cleanup/pfc/pfcsites.html.

Summary of Alternatives

Alternatives were developed in three categories: site-wide (SW), soils (S), and ground water (GW). The following alternatives were developed for the FS:

Alternative SW-1 -- No Further Action. Standard baseline option evaluated at all Superfund sites. Estimated cost: $19,200.

Alternative SW-2 – Institutional controls, access restriction, and ground-water monitoring. Would include deed restrictions to ensure the area remains zoned industrial/commercial, fencing to restrict access, and prohibitions on new drinking-water wells. Ground-water monitoring would continue for the long term (30 years). Estimated cost: $577,000.

Alternative GW-1 -- Enhanced ground-water recovery; air stripping/GAC pretreatment prior to POTW discharge. This alternative would expand and improve the existing pump-out system to capture and prevent migration of contaminants southeast of Hwy 5, as well as decrease capture time north of the highway. Discharge from the system would go through an air stripper to remove VOCs and Granulated Activated Carbon filtration to remove PFCs, and then discharged via pipeline to a wastewater treatment plant (POTW). Estimated cost: $4.63 million. (GW-1 was the only ground-water alternative developed in the FS because this type of system has been proven to be effective and permanently destroys PFCs when carbon filters are thermally regenerated)

Alternative S-1 – Excavate soils to depth of 4 feet; disposal at existing off-site landfill. The three soil alternatives all are designed to remove PFCs in soils at the site and reduce migration of PFCs from soils to ground water; they differ mainly in volume of soil removed and in degree of prevention of migration to ground water. S-1 would remove soils to a depth of 4 feet and truck them to a licensed landfill permitted to accept industrial wastes. Excavated areas would be replaced with clean fill. Estimated cost: $4.16 million.

Alternative S-2 – Excavation to 4 feet and selective removal from 4-8 feet; disposal at existing off-site landfill. Same as S-1 but with deeper excavation to

remove soil concentrations down to 30 ppm PFOS. Estimated cost: $5.6 million.

Alternative S-3 -- Excavation to 4 feet and enhanced selective soil removal from 4 feet to water table; disposal at existing off-site landfill. Same as S-1 but with deeper excavation (to the water table) to remove soil concentrations down to 6 ppm PFOS. Estimated cost: $7.44 million.

3M has submitted an amendment to the Feasibility Study which outlined proposed off-site disposal locations. 3M is recommending that the PFC wastes from the Oakdale site, which are excavated be taken to the SKB Landfill in Rosemount, Minnesota. 3M and SKB have proposed to build a separate engineered cell at the SKB disposal facility to contain the excavated PFC waste material. This disposal location would also be used for PFC wastes excavated from the Woodbury and Cottage Grove disposal sites.

MPCA's recommended alternatives

The MPCA recommends implementing the following remedies at the Oakdale site:

SW-2: Institutional Controls, Access Restriction, and Ground-water monitoring

GW-1: Enhanced ground-water recovery; air stripping/GAC pretreatment prior to POTW discharge

S-3: Excavation from 0-4 feet, enhanced soil removal from 4 feet to water table, and disposal at existing off-site landfill. The MPCA has determined that the SKB facility in Rosemount, with the separate vault for the PFC wastes, does meet the requirement of the Consent Order for an isolated, engineered permitted facility to contain the PFC waste material.

MPCA staff believes this combination best meets the cleanup goals for the site. GW-1 and SW-2 would be implemented regardless of other alternatives chosen. Alternative S-3 will probably take two to three construction seasons to complete.

What are the next steps?

The MPCA will review any comments received and finalize the choice of remedial action(s), which will be documented in a Minnesota Decision Document (MDD). The MPCA's responses to comments received will be included in the Response to Comments attached to the MDD. Unless significant modifications to the proposed remedies described in this fact sheet are needed, design and construction of the selected remedies should begin in late 2008 or early 2009.

After the selection of the final remedy for the Site, 3M will prepare construction design documents for MPCA review and approval. These design documents will outline activities and have a more detailed schedule to complete the cleanup actions. Included in this plan will be such items as hours of operation, construction traffic flow, worker health, and safety and noise controls.

Public comment and meeting on proposed alternatives

Public review and comment on the proposed cleanup plan for the Oakdale site is an important contribution to the remedy selection process. The public is invited to submit written comments on this proposed plan through June 20, 2008. Written comments may be sent to Gary Krueger, MPCA, 520 Lafayette Road, St. Paul, MN 55155-4194 or email gary.krueger@pca.state.mn.us.

Table of alternatives (shaded = MPCA preferred alternatives)

Alternative	Description
1. SW-1	No further action
2. SW-2	Institutional controls, access restriction, monitoring
3. GW-1	Enhance pumpout, air stripping, GAC treatment
4. S-1	Excavate to 4 feet, offsite disposal
5. S-2	Excavate to 4 feet, selectively to 8 feet, offsite disposal
6. S-3	Excavate to 4 feet, selectively to water table, offsite disposal

The public is also encouraged to submit written comments in person at a public meeting on May 22, 2008 at Oakdale City Hall.

Where can I get more information?

The full FS, along with other site-related information, is available on the MPCA Web site at http://www.pca.state.mn.us/cleanup/pfc/pfcsites.html, or by contacting Ralph Pribble at the MPCA, (651) 296-7792 or ralph.pribble@pca.state.mn.us.

The 3 Dump Sites that Constitute the "Oakdale Dump"

APPROVAL OF RD/RA PLAN

Minnesota Pollution Control Agency

520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-675-3843 | 651-282-5332 TTY | www.pca.state.mn.us

April 24, 2009

CERTIFIED MAIL NO. 7007 3020 0000 0961 0818
RETURN RECEIPT REQUESTED

Post-it® Fax Note 7671	Date 4/24/09	# of pages ▶ 11
To Jim Kotsmeth	From Gary Krueger	
Co./Dept. 3M	Co. MPCA	
Phone # 651 737 3635	Phone # 651 757 2509	
Fax # 651 736-3940	Fax #	

Mr. Gary A. Hohenstein
Manager, Special Projects
EHS Operations
3M Company
Building 224-5W03
St. Paul, MN 55144

RE: Settlement Agreement and Consent Order Dated May 22, 2007
3M Oakdale Disposal Site – Remedial Design/Response Action Plan

Dear Mr. Hohenstein:

Under terms outlined in the Settlement Agreement and Consent Order (Consent Order) between the 3M Company (3M) and the Minnesota Pollution Control Agency (MPCA), 3M was required to submit a Remedial Design/Response Action (RD/RA) Plan for the 3M Oakdale Disposal Site (Site) on or before February 19, 2009. 3M submitted the RD/RA Report to the MPCA on February 17, 2009.

The purpose of the RD/RA Plan is to provide a design, an implementation schedule and a monitoring plan for the response actions specified in the Minnesota Decision Document (MDD) approved by the MPCA Commissioner on November 4, 2008. Upon implementation, the response actions will protect the public health and welfare and the environment from the release or threatened releases of perfluorochemicals (PFCs) at or from the Site. The response actions to be implemented by 3M include:

- Site-wide institutional controls, access restriction and ground water monitoring;
- An enhanced ground water recovery system, with pretreatment of contaminated ground water prior to discharge to sanitary sewer; and
- Excavation of contaminated soil, the amount of which is specified in the selected remedy (Alternative S-3), and disposal at the SKB Rosemount Industrial Waste Facility.

The MPCA hereby approves the RD/RA Plan with the following modifications:

1. Modifications contained in the March 31, 2009 letter from 3M to the MPCA (Attached), which include items discussed by 3M, Weston Solutions, Inc. (Weston), MPCA and AECOM Inc. (AECOM) during a March 5, 2009 Site visit, and items discussed by 3M, Weston, MPCA, and AECOM during a March 19, 2009 meeting at the MPCA.

2. Modifications contained in the April 22, 2009 letter from AECOM to the MPCA (Attached), which also include items discussed by 3M, Weston, MPCA and AECOM during a March 5, 2009 Site visit and items discussed by 3M, Weston, MPCA, and AECOM during a March 19, 2009 meeting at the MPCA.

3. 3M shall conduct increased surface water monitoring in Raleigh Creek, beyond the proposed single sampling point just east of Hadley Avenue. Monitoring in Raleigh Creek shall include 5 to 7 sampling points in the section from the Site, down to-and including the headwaters of Eagle Point Lake. As with ground water monitoring, surface water monitoring shall be conducted quarterly for four years following the excavation. After four years, and if supported by the laboratory results, monitoring may be reduced to include only the proposed sampling point just east of Hadley. In addition, the creek shall be monitored during storm events, especially during construction. If 3M declines the request for increased monitoring, the MPCA will task its contractors to conduct the sampling and laboratory analyses, and will seek reimbursement of its costs from 3M.

4. 3M shall analyze samples for Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS) and Perfluorobutanoic acid, (PFBA) (not just PFOA and PFOS as recommended in Section 7.3.2.) for both ground water and surface water monitoring programs. In addition, 3M shall conduct annual monitoring for the expanded PFC list (13 analytes). Note that all other monitoring (e.g., for volatile organic compounds) is unaffected by this RD/RA plan.

5. Based on analytical results, additional response actions may be necessary to address PFC contamination in surface and ground water east and southeast of the Site.

6. An Environmental Covenant and Easement ("Environmental Covenant") pursuant to the Uniform Environmental Covenants Act, Minn. Stat. ch. 114E (Supp. 2007) ("UECA") shall be executed and recorded for the Abresch and Brockman sites prior to the approval of the construction completion report. In addition, since the long term plan for this area will eventually be unrestricted access, the environmental covenant to be implemented will need to include the requirement that sufficient monitoring and maintenance activities are in place to control exposure to potentially or remotely accessible soils.

7. 3M shall provide MPCA with copies of all correspondence that is mailed to the City of Oakdale or to area residents.

8. 3M shall provide MPCA with copies of final construction detail plans.

9. MPCA reserves the right to have one of its multi-site contractors present during critical RD/RA activities. Under such circumstances, MPCA also reserves the right to seek reimbursement from 3M for the contractor's associated costs.

If necessary and if approved by MPCA before implementation, 3M may complete interim response actions that are consistent with the approved modified RD/RA Plan and consistent with terms outlined in the Consent Order for implementation of interim response actions.

If you have questions, please call Doug Wetzstein at 651/757-2819, or Gary Krueger at 651/757-2509.

Sincerely,

Kathryn J. Sather
Director
Remediation Division

KJS:csa

cc: Brian Bachmeier, City of Oakdale
John Linc Stine, Minnesota Department of Health
Alan Williams, Attorney General's Office
John Freitag, Washington County Department of Public Health
Margaret Gielniewski, U.S. Environmental Protection Agency
The Honorable Karla Bigham, Minnesota State Representative
The Honorable Denny McNamara, Minnesota State Representative
The Honorable Leon Lillie, Minnesota State Representative
The Honorable Julie Bunn, Minnesota State Representative
The Honorable Nora Slawik, Minnesota State Representative
The Honorable Marsha Swails, Minnesota State Representative
The Honorable Katie Sieben, Minnesota State Senator
The Honorable Chris Gerlach, Minnesota State Senator
The Honorable Charles Wiger, Minnesota State Senator
The Honorable Kathy Saltzman, Minnesota State Senator

AECOM

AECOM
161 Cheshire Lane North, Suite 500, Minneapolis, MN 55441 USA
T 763.852.4200 F 763.473.0400 www.aecom.com

April 22, 2009

Mr. Gary Krueger, PSS
Environmental Planner
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155

Subject: Review of Remedial Design/Response Action Plan, 3M Oakdale Site, Oakdale, Minnesota; AECOM Project 04660035

Dear Mr. Krueger,

AECOM Inc. (AECOM) was requested to review the Remedial Design/Response Action Plan (RD/RAP) for the 3M Oakdale site. The RD/RAP was prepared by Weston Solutions Inc. (Weston) and is dated February 2009. AECOM was authorized to perform these services under MPCA Work Order No. SFST0911. In addition to review of the RD/RAP document, AECOM also completed a site visit and participated in a project meeting to discuss the plan with the project stakeholders.

The site meeting was completed on Thursday, March 5, 2009. Representatives from the MPCA, 3M and AECOM were present. The project meeting occurred on Thursday, March 19 at the MPCA office in St. Paul, Minnesota. Representatives from the MPCA, 3M, Weston and AECOM were present during the project meeting.

This letter provides a summary of AECOM's review of the RD/RAP, the discussions and findings of the site visit, and project meeting that occurred relative to the Oakdale site. The letter summarizes our professional opinions and identifies areas where modifications to the RD/RAP are recommended and/or agreed to be made. The following summary is presented based upon general areas of discussion that occurred relative to the site.

1.0 Wetlands

Regulated wetlands may exist on the site based upon our review of the project documents (RD/RAP) and our assessments made at the time of the site visit. It appears that wetland impacts would be minimal in extent, but will require confirmation as to their presence and/or required mitigative actions. A wetland delineation will be completed in the spring once conditions are favorable to conduct this work. Any corrective actions and/or permitting will be completed prior to any site work.

2.0 Site Drainage

The topographic survey used for the development of the project drawings was based upon an old County DOT as-built drawing. Additional topographic information will be collected by 3M in order to further recognize and illustrate topographic features of the property, particularly within the identified drainage swales. Spot elevations will be obtained where needed to refine the site design.

Final grading for the site drainage will be determined based upon the additional survey information collected as well as discussions with the Minnesota Department of Natural Resources concerning Ordinary High Water Elevations for the adjacent wetland. The wetland north of the site, which drains through the construction area, is classified as "Public Waters". Culvert elevations as well as final elevations of the drainage swales will be determined as part of the final design configuration.

3.0 Excavation Issues

Variable groundwater elevations may control the site excavation operation and the intent to maximize removal of contaminants. Discussions about groundwater conditions identified two activities to be completed prior to initiation of excavation. First, piezometers will be installed around the perimeter of the excavation and monitored in order to define the groundwater elevations prior to and during excavation operations. Second, a "logic plan" will be prepared by 3M in order to guide the excavation decisions relative to the observed groundwater elevations. The "logic plan" will identify conditions under which excavation will be initiated or delayed if high groundwater conditions are identified.

Technical specifications for project work will include specific protocols relative to use of on-site materials, imported fill, approval of materials as well as final cover (topsoil, seed mix, mulch, erosion control). The specifications are expected to identify soil types and sources for imported fill.

4.0 Monitoring

A total of two sound monitoring stations are proposed to be installed on the site. One station will be located east of the excavation near a residence and the second along Highway 5. All truck traffic will be entering and leaving the site from Granada Avenue on the west side of the site. Residential properties are located immediately west of the proposed site entrance. Installation of a third sound monitoring station near the site entrance is recommended. It is anticipated that the technical specifications will address a traffic control plan for the movement of the haul vehicles. The traffic control plan may influence the location of the monitoring stations for effective noise monitoring.

On-site personnel (Weston or 3M) will document the readings at each of the monitoring stations. On-site personnel will also document site conditions including visible dust and qualitative odor conditions.

Thank you for the opportunity to review and comment on the project documentation. Please contact us if you have any questions in reference to this letter or our project review.

Sincerely,

Robert L. DeGroot, PG PE
Principal Engineer

Chad Donnelly, P.E.
Project Engineer

RLD/dn

3M Environmental, Health and Safety Operations

3M Center, Building 0224-02-E-55
St. Paul, MN 55144-1000

3M

March 31, 2009

Hand Delivery

Mr. Douglas Wetzstein
Supervisor, Superfund Unit 1
Superfund and Emergency Response Section
Remediation Division
Minnesota Pollution Control Agency (MPCA)
520 Lafayette Road North
St. Paul, MN 55155

Subject: 3M, Former Oakdale Disposal Site (Site)
Remedial Design/Response Action (RD/RA) Plan Comments

Dear Mr. Wetzstein:

On March 19, 2009, 3M, Weston, AECOM and MPCA met to discuss comments regarding the RD/RA Plan for the Oakdale Site. The primary comments discussed were generated by MPCA's consultant, AECOM, regarding the soil excavation activities. MPCA and AECOM staff and I visited the Site on March 5 to review and clarify these initial comments from AECOM and conduct field verification relative to certain comments in advance of the March 19 meeting. This letter has been prepared as follow-up to these meetings in order to summarize the discussions related to these and other internal MPCA staff comments associated with the Waste Management Plan and Quality Assurance Project Plan (QAPP), which were subsequently provided to 3M.

We believe the comments provided below summarize the key points as categorized in the AECOM and MPCA correspondence. In addition, each key point provides our summary response as discussed at the March 19 meeting, as well as any actions that 3M will conduct prior to implementation of the RD/RA activities at the Site. Additional comments provided by AECOM have been included in the first six key points, as applicable.

1) **Wetlands**

Comment: AECOM inquired about necessary permits required on the north side of Highway 5 relating to the soil excavation activities and the potential impacts to wetlands and public waters in and around the area. They also sought to clarify which permitting authorities would be involved with these issues.

Response: 3M has completed and/or reviewed wetland delineations conducted on the Oakdale site on several occasions over the past decade or so. As noted in Section 5.3.3 of the RD/RA Plan, the City of Oakdale (City), Valley Branch Watershed District (VBWD) and Washington County will be consulted regarding these activities. Subsequent to the submittal of the RD/RA Plan to the MPCA, 3M contacted these parties, as well as the Minnesota Department of Natural Resources (DNR), to better understand the permit requirements and jurisdiction among agencies. 3M has also obtained Wetland Management

Classifications from the VBWD in order to aid in future planning for the project.

Action: 3M has scheduled a combined meeting with these agencies on April 13, 2009 to discuss actions and approvals needed for the project. If necessary, 3M will update and verify potential wetland impacts in and around the areas proposed in the RD/RA Plan. Subsequent to this work and discussion, 3M will apply for and obtain permits, as necessary, prior to excavation or earth disturbance activities. We believe that these activities are appropriately accounted for in the project schedule provided in the RD/RA Plan (Figure 6-2).

2) Site Drainage

Comment: AECOM suggested that more detailed topographic information be used to verify that site drainage on the east and west side of the excavation on the North side of Highway 5 was consistent with the intended RD/RA Plan design, including base elevations and temporary drainage features. In addition, they inquired about certain design storm criteria included in the design. AECOM also noted that erosion control measures should be included in critical site areas, particularly the swale area. It was also recommended by AECOM that a Class V pipe be used in the culvert for the temporary access road.

Response: The drawings provided in the RD/RA Plan used the most current source of topographic information (2-ft contours) available from Washington County. Site observations indicate positive drainage is occurring and has been occurring for an extended time on the property; however, specific elevation data would be helpful as part of field verification and restoration activities.

As discussed, the existing drainage swale to the west of the excavation is designed to meet a 100-year storm event based on feedback from the City and VBWD. After completion of restoration activities, this swale will be returned to its original depth and cross section to continue to meet this design flow. 3M has had subsequent discussions with the City regarding design considerations for the temporary road and the relocated swale to be used during construction. The City has indicated that the culverts under the temporary road can be designed for a 10-year storm event and that any larger storm event can over-top the road and proceed along the natural drainage path under and to the south of Highway 5.

Erosion control features in and around the swale, including silt fencing and rip rap to dissipate stormwater flow, are included in Appendix E of the RD/RA Plan. These specifications, in concert with final Storm Water Pollution Prevention Plan implementation by the contractor and oversight by 3M, will serve to monitor the performance of these measures throughout the project.

Action: 3M will verify elevations on the east and west drainage paths using field survey techniques and will conduct limited site topographic surveys of the area to aid site restoration activities and verify that positive drainage will occur on-site and on adjacent properties during construction activities. In addition, 3M will

consider the installation of a Class V pipe, as appropriate, based on the final field survey data and design specification for the temporary access road.

3) **Excavation**

Comment: AECOM asked about the groundwater conditions in well W-21 on the north side of the excavation on the north side of Highway 5. These elevations were suggested to have wide variability and they asked how 3M intended to address these variations as part of the final excavation and contractor bid specifications since the bottom of the excavation was based on excavation to groundwater. Suggestions to address this included setting a minimum elevation on the north side of the excavation and/or installing piezometers outside the excavation to monitor groundwater levels.

Also, AECOM inquired about soil staging and how on-site soils from haul road improvements and excavation side slopes would be managed. They suggested that side slope soils with the potential to contain contaminants should be placed in the excavation below 4 feet. Additional comments presented were related to specification for excavation backfill materials.

Response: 3M's goal in creating the RD/RA Plan was to ensure that the intent of the MDD is met. The MDD stipulates that excavation "to groundwater" will occur over portions of the site. Data over the past 9 years suggests that well W-21 varies anywhere from less than a few inches to a maximum of four feet annually and seasonally the level is lower during the late summer and fall months. Based on this data, it is unlikely that the depth to groundwater will be less than 4 feet below the existing ground surface at the time of excavation; however, 3M will conduct additional activities as described below prior to and during excavation to address this suggested variability.

Soil in and around the excavation area can be placed as backfill below 4 feet to the extent practical; however, certain soils can not be placed below 4 feet as the project is phased from east to west because portions of the excavation on the west side will only be removed to a depth of four feet and therefore can not be placed at a depth greater than 4 feet. For safety reasons, in addition to conflicting with contingency planning to minimize odors in the RD/RA, 3M does not advocate leaving the deeper excavation open to fully meet the AECOM suggestion.

The Construction Sampling Plan in the RD/RA Plan specifies the parameters to properly characterize imported soil. As discussed, 3M has stringent contractor specifications that will indicate the source of imported fill (including topsoil). In addition we discussed that such soil does not need to meet structural fill specifications. Our intent is to use no more than two sources of backfill (including top soil) for the project, unless necessary.

Action: 3M will be conducting soil profiling of the excavation area in the coming months to verify waste characterization of the soils. During this sample collection, groundwater levels will be determined in and around the excavation

area. Based on the data generated by these activities, 3M will install several temporary piezometers in and around the planned excavation area to aid in defining the surveyed excavation base. It is unlikely that soil removal in the northern portion of the excavation will be conducted at less than four feet below ground surface based on historical groundwater data at the proposed time of excavation. As proposed in the RD/RA Plan, the excavation base will be defined as the depth to groundwater from ground surface plus one foot. To the extent possible, side slope excavation soils will be placed below four feet and the construction sampling plan, in concert with contractor bid specifications, will appropriately characterize soil imported for the project.

4) Monitoring

Comment: AECOM asked if alarms would be used on perimeter ambient air monitors for VOCs and dust to notify staff if predefined limits are exceeded and how those exceedances, if any, would be communicated to the MPCA Project Manager. In addition, they suggested that qualitative measures of visible dust and odors be monitored and documented as part of excavation activities. It was also recommended that an additional noise monitor be included at the entrance road at Granada Avenue.

Response: As discussed and as identified in Section 6 of the RD/RA Plan, 3M intends to have a full-time technician on site conducting and observing all of the various monitors on site. This proactive full-time monitoring, in addition to conservative action levels for VOCs, minimize the need for a reactively perceived approach of using audible alarms as a primary means of responding to monitoring results. In addition, although not specifically described in the Construction Sampling Plan, it is our intent, as described in Section 5.3.8 and 6.6 of the RD/RA Plan, to monitor dust generation both visually (qualitatively) and by air monitor (quantitatively) to control activities (including stoppage of work), as necessary, to reduce dust generation.

Action: 3M will document the performance of all qualitative and quantitative measurements including VOCs, odors, dust and noise as part of construction sampling plan activities during site operation. In addition, 3M will conduct initial and background noise monitoring at the site entrance road on Granada Avenue. This data would be used to determine if it is necessary to conduct additional monitoring for the duration of the project at Granada.

5) General Comments

Comment: AECOM noted that performance-based standards are used in the RD/RA Plan to outline design concepts for the excavation north of Highway 5 and that contractors will provide the means and methods to meet the overall design concepts of the Plan. It was also noted that the "Decon Pad" is referenced in the Decontamination Plan; however, it is not shown on any of the RD/RA Plan drawings.

AECOM also suggested that 3M consider reviewing and reconfiguring the site access road entrance based on observed site conditions and the potential complexity of construction. They also inquired about the engineer of record for the project and suggested that 3M consider adding the contractor as a responsible party to necessary permits for the project.

Response: As discussed during both the Site field visit on March 5 and the subsequent meeting on March 19, 3M has very specific contracting standards and based on experience believes that input from the contractor as part of performance-based standards can result in overall project efficiencies. 3M agrees with the AECOM comment that the "means and methods of site work are not the concern, but rather the outcome of these activities, and reassurance that the goals of the project are being attained." We believe that the performance-based contracting approach, along with field verification, third party oversight and communications with the MPCA Project Manager, as outlined in the RD/RA Plan, will assure that the goals and objectives of the project are attained. This will include the location of the "Decon Pad", which will be specified by the contractor and approved by 3M as part of the means and methods of the site work.

Additionally, 3M has discussed placement of the entrance road on the north site of Highway 5 with the City. The City has asked 3M to move the road as far north of intersection of Highway 5 and Granada Avenue as possible. This feedback and request has been included in the design and alignment of the entrance road. 3M recommends completing the road as proposed, even if it requires additional or substantial work to complete.

Action: To the extent practical and necessary, and as specified in bid documents, contractors will be added as a responsible party or requested to obtain separate approval for permits for the project.

6) **Waste Management Plan**

Comment: MPCA provided comments regarding the collection of soil samples for VOC analysis including that in situ and stockpiled soil must be collected by grab samples, that samples should be collected from areas of higher PID readings, and that quantification should be completed for all VOC compounds on the EPA Method 8260 list if analyzed for total VOCs. Additionally, it was suggested by MPCA staff that the Waste Management Plan (and Health and Safety Plan) include provisions to address the potential for encountering unexpected material during excavation, including asbestos.

Response: As discussed, it is 3M's routine practice and intention as part of the RD/RA Construction Sampling Plan (Waste Management Plan) to collect soil samples for VOC analysis in accordance with the recommendations provided by MPCA.

Action: 3M will include additional provisions in the Waste Management and Health and Safety Plans to address the potential for encountering unexpected material

during excavation and these changes will be communicated to the MPCA Project Manager prior to commencing work.

7) **QAPP**

Comment: The MPCA provided comments on the QAPP in a March 23, 2009 memo from Bill Scruton, the MPCA QA Coordinator, to Gary Krueger of the MPCA. In these comments, there is one General Comment, which pertains to the need to reformat the QAPP in accordance with the USEPA's March 2001 guidance document. In addition, there are specific comments, many of which relate to the formatting issue and others requiring additional information.

Response: As discussed during the March 19 meeting, it was agreed that the reformatting of the QAPP for the Oakdale site would not be performed before the April 3, 2009 Oakdale RD/RA Plan approval date but that it would be done, along with any other minor changes required to address MPCA comments, prior to the initiation of site activities. Further, it was also agreed that the QAPPs for the Woodbury and Cottage Grove RD/RA Plans will be formatted in accordance with EPA's 2001 guidelines.

On March 30, Mr. Scruton and I discussed several ways to address comment number 24. In this comment, the MPCA indicated that the identity of the third party conducting data review and validation criteria should be identified in the QAPP. We discussed the fact that only a limited number of soil samples (approximately 30-50) will be collected and analyzed for VOCs and that these samples will be collected solely for the purposes of profiling the excavated soils for disposal. Mr. Scruton suggested that this data doesn't have to be validated by a third party. It could also be compared to QC acceptance criteria identified in the QAPP and reviewed by a technical or project manager. In addition, it was noted that a portion of this review could also be done by the laboratory.

Action: Based on this meeting and subsequent discussion, 3M concurs with these comments. The QAPP will be reformatted, revised appropriately and resubmitted to the MPCA Project Manager for final review, prior to the initiation of soil excavation activities.

We trust that this summary is consistent with our discussion on March 19 and addresses the comments as provided in anticipation of the MPCA RD/RA Plan approval for Oakdale. If I can provide any further information, please contact me at (651) 737-3635.

Sincerely,

J. R. Kotsmith

James R. Kotsmith, P.E., QEP
Senior Environmental Supervisor
Corporate Environmental Programs
Building 224-2E-55

APPROVAL OF SVE SYSTEM EXPANSION

Minnesota Pollution Control Agency

520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-675-3843 | 651-282-5332 TTY | www.pca.state.mn.us

Post-it® Fax Note 7671	Date 10/15/09	# of pages ▶ 1
To Jim Kotsmyth	From Gary Krueger	
Co./Dept. 3M	Co. MPCA	
Phone # 651 737 3635	Phone # 651 757 2509	
Fax # 651 736 3940	Fax #	

October 13, 2009

Mr. Gary A Hohenstein
Manager, Special Projects
3M Environmental Health and Safety Operations
Building 224-5W03
St. Paul, MN 55144

RE: 3M Oakdale Disposal Site
Interim Response Action
Temporary Soil Vapor Extraction System

Dear Mr. Hohenstein:

Minnesota Pollution Control Agency (MPCA) Superfund staff has completed its review of 3M's request for the continued operation of the temporary Soil Vapor Extraction (SVE) system at the 3M Oakdale Disposal site (Site). 3M has proposed to modify the existing SVE system and continue its operation through the summer of 2010. The proposed modifications were outlined in the September 25, 2009 correspondence from James Kotsmith of 3M to Douglas Wetzstein of the MPCA.

Based upon staff's review of this submittal, the MPCA hereby approves 3M's request to modify and continue to operate the temporary SVE system at the 3M Oakdale Site. This approval is granted under terms established in Exhibit C, Section IV.B of the May 22, 2007 Settlement Agreement and Consent Order between 3M and the MPCA, which provides for implementation of Interim Response Actions at the Site.

Please contact Douglas Wetzstein at 651-757-2819 or Gary Krueger at 651-757-2509 with any questions.

Sincerely,

Kathryn J. Sather

Kathryn J. Sather
Division Director
Remediation Division

KJS:csa

cc: James Kotsmith, 3M
Brian Bachmeier, City of Oakdale
John Freitag, Washington County Health Department
James Kelly, Minnesota Department of Health

APPROVAL OF GROUNDWATER EXTRACTION AND TREATMENT SYSTEM CCR

Minnesota Pollution Control Agency
520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

October 5, 2010

Mr. Gary A. Hohenstein
Manager
Environmental & Regulatory Affairs
3M Company
Building 224-5W-03
St. Paul, MN 55144-1000

RE: Settlement Agreement and Consent Order Date May 22, 2007
3M Oakdale Disposal Site – Groundwater Extraction and Treatment System
Construction Completion Report

Dear Mr. Hohenstein:

Under terms outlined in the Settlement Agreement and Consent Order (Consent Order) between the 3M Company (3M) and the Minnesota Pollution Control Agency (MPCA), 3M submitted a Remedial Design/Remedial Action Plan (RD/RA Plan) for the 3M Oakdale site (Site) on February 18, 2009. The RD/RA Plan was approved by the MPCA April 24, 2009. 3M notified the MPCA on June 10, 2010 that final construction of the Oakdale Groundwater Treatment Facility had been completed.

One of the components of the Consent Order (Exhibit D, Section III.D) is a requirement to provide certification that the response actions taken by 3M were completed in accordance with the RD/RA Plan. On August 9, 2010, 3M submitted a report entitled "Construction Completion Report, Groundwater Extraction and Treatment System, Oakdale Site, Oakdale, Minnesota, prepared by Weston Solutions Inc. (Weston) dated August 2010, certifying completion of the response actions for the groundwater extraction and treatment system at the Site. This report is considered by the MPCA to be an interim report on the response actions completed at the Site and shall be supplemented by a Final RA Implementation Report at the end of all remediation activities.

MPCA staff requested additional information from 3M in an electronic mail message dated September 17, 2010. 3M technical staff responded with requested information during a meeting at MPCA offices on September 27, 2010, and a follow up electronic mail message on September 30, 2010.

With the inclusion of the supplemental information provided by 3M, the Construction Completion Report for the Groundwater Extraction and Treatment System at the Site is hereby approved.

If you have any questions, please contact Gary Krueger of my staff at 651-757-2509.

Sincerely,

Kathryn J. Sather
Division Director
Remediation Division

KJS:csa

cc: The Honorable Nora Slawik, Minnesota State Reprensentative
The Honorable Charles Wiger, Minnesota State Senator
Jim Kotsmith, 3M
Robert Paschke, 3M
Brian Bachmeier, City of Oakdale
Jessica Pilarski, Washington County Department of Public Health
Thomas Short, U.S. Environmental Protection Agency, Region V
Linda Bruemmer, Minnesota Department of Health

APPENDIX E
SURVEY RESULTS

Oakdale Disposal Site, Oakdale, MN

Total Excavation
Stock Pile
Direct Load
PIM Stock Pile

Potentially Impacted Final Ramp Material

1/26/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	A1-1_4ft BGS	410.31 Cu. Yd.	0.00 Cu. Yd.	410.31 Cu. Yd.<Cut>	1	1	410.31 Cu. Yd.	0.00 Cu. Yd.	410.31 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	A1-2_4ft BGS	695.27 Cu. Yd.	0.00 Cu. Yd.	695.27 Cu. Yd.<Cut>	1	1	695.27 Cu. Yd.	0.00 Cu. Yd.	695.27 Cu. Yd.<Cut>	Direct Load
3	EG-3mOakdale-A_B	A1-3_4ft BGS	764.01 Cu. Yd.	0.00 Cu. Yd.	764.01 Cu. Yd.<Cut>	1	1	764.01 Cu. Yd.	0.00 Cu. Yd.	764.01 Cu. Yd.<Cut>	Direct Load
4	EG-3mOakdale-A_B	A1-4_4ft BGS	801.67 Cu. Yd.	0.00 Cu. Yd.	801.67 Cu. Yd.<Cut>	1	1	801.67 Cu. Yd.	0.00 Cu. Yd.	801.67 Cu. Yd.<Cut>	Direct Load
~~5~~	~~EG-3mOakdale-A_B~~	~~A1-6_4ft BGS~~	~~353.98 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~353.98 Cu. Yd.<Cut>~~	~~1~~	~~1~~	~~353.98 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~353.98 Cu. Yd.<Cut>~~	~~Direct Load~~
6	EG-3mOakdale-A_B	B1-2_4ft BGS	237.29 Cu. Yd.	0.00 Cu. Yd.	237.29 Cu. Yd.<Cut>	1	1	237.29 Cu. Yd.	0.00 Cu. Yd.	237.29 Cu. Yd.<Cut>	Direct Load
7	EG-3mOakdale-A_B	B1-15_4ft BGS	367.78 Cu. Yd.	0.00 Cu. Yd.	367.78 Cu. Yd.<Cut>	1	1	367.78 Cu. Yd.	0.00 Cu. Yd.	367.78 Cu. Yd.<Cut>	Direct Load

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base of B1-10Piles	GRN B1-10 001-1	0.00 Cu. Yd.	57.88 Cu. Yd.	57.88 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.88 Cu. Yd.	57.88 Cu. Yd.<Fill>	Stock Pile
2	Base of B1-10Piles	GRN B1-10 001-2	0.00 Cu. Yd.	49.75 Cu. Yd.	49.75 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	49.75 Cu. Yd.	49.75 Cu. Yd.<Fill>	Stock Pile
3	Base of B1-10Piles	GRN B1-10 002-1	0.00 Cu. Yd.	46.38 Cu. Yd.	46.38 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	46.38 Cu. Yd.	46.38 Cu. Yd.<Fill>	Stock Pile
4	Base of B1-10Piles	GRN B1-10 002-2	0.01 Cu. Yd.	40.70 Cu. Yd.	40.69 Cu. Yd.<Fill>	1	1	0.01 Cu. Yd.	40.70 Cu. Yd.	40.69 Cu. Yd.<Fill>	Stock Pile
5	Base of B1-10Piles	GRN B1-10 003-1	0.00 Cu. Yd.	42.18 Cu. Yd.	42.18 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	42.18 Cu. Yd.	42.18 Cu. Yd.<Fill>	Stock Pile

1/26/2011 (REVISED)

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	A1-6_4ft BGS	376.01 Cu. Yd.	0.00 Cu. Yd.	376.01 Cu. Yd.<Cut>	1	1	376.01 Cu. Yd.	0.00 Cu. Yd.	376.01 Cu. Yd.<Cut>	Direct Load

2/2/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	A1-5_4ft BGS	720.40 Cu. Yd.	0.00 Cu. Yd.	720.40 Cu. Yd.<Cut>	1	1	720.40 Cu. Yd.	0.00 Cu. Yd.	720.40 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	B1-9_4ft BGS	489.56 Cu. Yd.	0.00 Cu. Yd.	489.56 Cu. Yd.<Cut>	1	1	489.56 Cu. Yd.	0.00 Cu. Yd.	489.56 Cu. Yd.<Cut>	Direct Load

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base of B-1-10 Piles	GRN B1-10 003-2	0.00 Cu. Yd.	45.21 Cu. Yd.	45.21 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	45.21 Cu. Yd.	45.21 Cu. Yd.<Fill>	Stock Pile
2	Base of B-1-10 Piles	GRN B1-10 004-1	0.00 Cu. Yd.	46.59 Cu. Yd.	46.59 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	46.59 Cu. Yd.	46.59 Cu. Yd.<Fill>	Stock Pile
3	Base of B-1-10 Piles	GRN B1-10 004-2	0.00 Cu. Yd.	41.34 Cu. Yd.	41.34 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	41.34 Cu. Yd.	41.34 Cu. Yd.<Fill>	Stock Pile
4	Base of B-1-10 Piles	GRN B1-10 005	0.00 Cu. Yd.	40.32 Cu. Yd.	40.31 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	40.32 Cu. Yd.	40.31 Cu. Yd.<Fill>	Stock Pile

2/10/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-7_4ft BGS	632.24 Cu. Yd.	0.00 Cu. Yd.	632.24 Cu. Yd.<Cut>	1	1	632.24 Cu. Yd.	0.00 Cu. Yd.	632.24 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	B1-8_4ft BGS	474.89 Cu. Yd.	0.00 Cu. Yd.	474.89 Cu. Yd.<Cut>	1	1	474.89 Cu. Yd.	0.00 Cu. Yd.	474.89 Cu. Yd.<Cut>	Direct Load

2/11/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	A1-9_4ft BGS	1039.42 Cu. Yd.	0.00 Cu. Yd.	1039.42 Cu. Yd.<Cut>	1	1	1039.42 Cu. Yd.	0.00 Cu. Yd.	1039.42 Cu. Yd.<Cut>	Direct Load

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF B1-11 Piles	GRN B1-11 001-1	0.00 Cu. Yd.	65.21 Cu. Yd.	65.21 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	65.21 Cu. Yd.	65.21 Cu. Yd.<Fill>	Stock Pile
2	BASE OF B1-11 Piles	GRN B1-11 001-2	0.00 Cu. Yd.	67.22 Cu. Yd.	67.22 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.22 Cu. Yd.	67.22 Cu. Yd.<Fill>	Stock Pile
3	BASE OF B1-11 Piles	GRN B1-11 002-1	0.00 Cu. Yd.	71.92 Cu. Yd.	71.92 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	71.92 Cu. Yd.	71.92 Cu. Yd.<Fill>	Stock Pile
4	BASE OF B1-11 Piles	GRN B1-11 002-2	0.00 Cu. Yd.	69.09 Cu. Yd.	69.09 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	69.09 Cu. Yd.	69.09 Cu. Yd.<Fill>	Stock Pile

2/18/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	A1-7_4ft BGS	1273.42 Cu. Yd.	0.00 Cu. Yd.	1273.42 Cu. Yd.<Cut>	1	1	1273.42 Cu. Yd.	0.00 Cu. Yd.	1273.42 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	A1-8_4ft BGS	844.71 Cu. Yd.	0.00 Cu. Yd.	844.71 Cu. Yd.<Cut>	1	1	844.71 Cu. Yd.	0.00 Cu. Yd.	844.71 Cu. Yd.<Cut>	Direct Load
~~1~~	~~Base of B1-11 003-1 Pile~~	~~GRN B1-11 003-1~~	~~0.00 Cu. Yd.~~	~~45.98 Cu. Yd.~~	~~45.98 Cu. Yd.<Fill>~~	~~1~~	~~1~~	~~0.00 Cu. Yd.~~	~~45.98 Cu. Yd.~~	~~45.98 Cu. Yd.<Fill>~~	~~Stock Pile~~
2	Baseof B1-11 003-2 Pile	GRN B1-11 003-2	0.00 Cu. Yd.	54.95 Cu. Yd.	54.95 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.95 Cu. Yd.	54.95 Cu. Yd.<Fill>	Stock Pile

2/28/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base of GRN B1-11 004-1	GRN B1-11 004-1	0.00 Cu. Yd.	68.55 Cu. Yd.	68.55 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	68.55 Cu. Yd.	68.55 Cu. Yd.<Fill>	Stock Pile
2	Base of GRN B1-11 004-2	GRN B1-11 004-2	0.00 Cu. Yd.	17.55 Cu. Yd.	17.55 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	17.55 Cu. Yd.	17.55 Cu. Yd.<Fill>	Stock Pile

3/1/2011 *** WLD = Water Level Datum**

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-3_4ft BGS	360.57 Cu. Yd.	0.00 Cu. Yd.	360.57 Cu. Yd.<Cut>	1	1	360.57 Cu. Yd.	0.00 Cu. Yd.	360.57 Cu. Yd.<Cut>	Direct Load

3/4/2011 *** WLD = Water Level Datum**

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base of GRN B1-11 003-1	GRN B1-11 003-1	0.00 Cu. Yd.	68.98 Cu. Yd.	68.98 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	68.98 Cu. Yd.	68.98 Cu. Yd.<Fill>	Stock Pile Reshot

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B1-7_4ft BGS	B2-7_9ft BGS	716.35 Cu. Yd.	0.00 Cu. Yd.	716.35 Cu. Yd.<Cut>	1	1	716.35 Cu. Yd.	0.00 Cu. Yd.	716.35 Cu. Yd.<Cut>	Direct Load
2	B1-8_4ft BGS	B2-8_9ft BGS	483.65 Cu. Yd.	0.00 Cu. Yd.	483.65 Cu. Yd.<Cut>	1	1	483.65 Cu. Yd.	0.00 Cu. Yd.	483.65 Cu. Yd.<Cut>	Direct Load
3	B1-9_4ft BGS	B2-9_9ft BGS	556.92 Cu. Yd.	0.00 Cu. Yd.	556.92 Cu. Yd.<Cut>	1	1	556.92 Cu. Yd.	0.00 Cu. Yd.	556.92 Cu. Yd.<Cut>	Direct Load
4	B2-7_9ft BGS	B3-7_WLD BGS	27.14 Cu. Yd.	0.00 Cu. Yd.	27.14 Cu. Yd.<Cut>	1	1	27.14 Cu. Yd.	0.00 Cu. Yd.	27.14 Cu. Yd.<Cut>	Direct Load
5	B2-8_9ft BGS	B3-8_WLD BGS	11.06 Cu. Yd.	0.00 Cu. Yd.	11.06 Cu. Yd.<Cut>	1	1	11.06 Cu. Yd.	0.00 Cu. Yd.	11.06 Cu. Yd.<Cut>	Direct Load
6	B2-9_9ft BGS	B3-9_WLD BGS	216.66 Cu. Yd.	0.00 Cu. Yd.	216.66 Cu. Yd.<Cut>	1	1	216.66 Cu. Yd.	0.00 Cu. Yd.	216.66 Cu. Yd.<Cut>	Direct Load

3/11/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-12_4ft BGS	391.96 Cu. Yd.	0.00 Cu. Yd.	391.96 Cu. Yd.<Cut>	1	1	391.96 Cu. Yd.	0.00 Cu. Yd.	391.96 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	B1-13_4ft BGS	383.58 Cu. Yd.	0.00 Cu. Yd.	383.58 Cu. Yd.<Cut>	1	1	383.58 Cu. Yd.	0.00 Cu. Yd.	383.58 Cu. Yd.<Cut>	Direct Load
3	EG-3mOakdale-A_B	B1-16_4ft BGS	396.49 Cu. Yd.	0.00 Cu. Yd.	396.49 Cu. Yd.<Cut>	1	1	396.49 Cu. Yd.	0.00 Cu. Yd.	396.49 Cu. Yd.<Cut>	Direct Load
4	EG-3mOakdale-A_B	B1-17_4ft BGS	403.71 Cu. Yd.	0.00 Cu. Yd.	403.71 Cu. Yd.<Cut>	1	1	403.71 Cu. Yd.	0.00 Cu. Yd.	403.71 Cu. Yd.<Cut>	Direct Load
5	EG-3mOakdale-A_B	B1-18_4ft BGS	396.33 Cu. Yd.	0.00 Cu. Yd.	396.33 Cu. Yd.<Cut>	1	1	396.33 Cu. Yd.	0.00 Cu. Yd.	396.33 Cu. Yd.<Cut>	Direct Load
6	EG-3mOakdale-A_B	B1-19_4ft BGS	436.02 Cu. Yd.	0.00 Cu. Yd.	436.02 Cu. Yd.<Cut>	1	1	436.02 Cu. Yd.	0.00 Cu. Yd.	436.02 Cu. Yd.<Cut>	Direct Load

3/15/2011 *** WLD = Water Level Datum**

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF B2-10	GRN B2-10 001-1	0.00 Cu. Yd.	61.04 Cu. Yd.	61.03 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	61.04 Cu. Yd.	61.03 Cu. Yd.<Fill>	Stock Pile
2	BASE OF B2-10	GRN B2-10 001-2	0.00 Cu. Yd.	63.69 Cu. Yd.	63.69 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.69 Cu. Yd.	63.69 Cu. Yd.<Fill>	Stock Pile
3	BASE OF B2-10	GRN B2-10 002-1	0.00 Cu. Yd.	53.36 Cu. Yd.	53.36 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	53.36 Cu. Yd.	53.36 Cu. Yd.<Fill>	Stock Pile
4	BASE OF B2-10	GRN B2-10 002-2	0.00 Cu. Yd.	66.37 Cu. Yd.	66.37 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	66.37 Cu. Yd.	66.37 Cu. Yd.<Fill>	Stock Pile

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-5_4ft BGS	364.92 Cu. Yd.	0.00 Cu. Yd.	364.92 Cu. Yd.<Cut>	1	1	364.92 Cu. Yd.	0.00 Cu. Yd.	364.92 Cu. Yd.<Cut>	Direct Load
2	EG-3mOakdale-A_B	B1-14_4ft BGS	389.01 Cu. Yd.	0.00 Cu. Yd.	389.01 Cu. Yd.<Cut>	1	1	389.01 Cu. Yd.	0.00 Cu. Yd.	389.01 Cu. Yd.<Cut>	Direct Load
3	B1-2_4ft BGS	B2-2_9ft BGS	253.37 Cu. Yd.	0.00 Cu. Yd.	253.37 Cu. Yd.<Cut>	1	1	253.37 Cu. Yd.	0.00 Cu. Yd.	253.37 Cu. Yd.<Cut>	Direct Load

3/16/2011 *** WLD = Water Level Datum**

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF GRN B2-3	GRN B2-3 001-1	0.00 Cu. Yd.	65.03 Cu. Yd.	65.03 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	65.03 Cu. Yd.	65.03 Cu. Yd.<Fill>	Stock Pile
2	BASE OF GRN B2-3	GRN B2-3 001-2	0.00 Cu. Yd.	57.68 Cu. Yd.	57.68 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.68 Cu. Yd.	57.68 Cu. Yd.<Fill>	Stock Pile
3	BASE OF GRN B2-3	GRN B2-3 002-1	0.00 Cu. Yd.	59.61 Cu. Yd.	59.61 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	59.61 Cu. Yd.	59.61 Cu. Yd.<Fill>	Stock Pile
4	BASE OF GRN B2-10	GRN B2-10 003-1	0.00 Cu. Yd.	51.85 Cu. Yd.	51.85 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	51.85 Cu. Yd.	51.85 Cu. Yd.<Fill>	Stock Pile
5	BASE OF GRN B2-10	GRN B2-10 003-2	0.00 Cu. Yd.	54.81 Cu. Yd.	54.81 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.81 Cu. Yd.	54.81 Cu. Yd.<Fill>	Stock Pile
6	BASE OF GRN B2-10	GRN B2-10 004-1	0.00 Cu. Yd.	59.07 Cu. Yd.	59.07 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	59.07 Cu. Yd.	59.07 Cu. Yd.<Fill>	Stock Pile
7	BASE OF GRN B2-10	GRN B2-10 004-2	0.00 Cu. Yd.	63.73 Cu. Yd.	63.73 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.73 Cu. Yd.	63.73 Cu. Yd.<Fill>	Stock Pile

3/21/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF B2-3_2-11	GRN B2-3 002-2	0.02 Cu. Yd.	55.52 Cu. Yd.	55.50 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	55.52 Cu. Yd.	55.50 Cu. Yd.<Fill>	Stock Pile
2	BASE OF B2-3_2-11	GRN B2-11 003-1	0.02 Cu. Yd.	52.54 Cu. Yd.	52.52 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	52.54 Cu. Yd.	52.52 Cu. Yd.<Fill>	Stock Pile
3	BASE OFB2-3_2-11	GRN B2-11 005	0.00 Cu. Yd.	39.50 Cu. Yd.	39.50 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	39.50 Cu. Yd.	39.50 Cu. Yd.<Fill>	Stock Pile

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B1-15_4ft BGS	B2-15_9ft BGS	421.52 Cu. Yd.	0.00 Cu. Yd.	421.52 Cu. Yd.<Cut>	1	1	421.52 Cu. Yd.	0.00 Cu. Yd.	421.52 Cu. Yd.<Cut>	Direct Load

3/24/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base Of 3-24-2011 Piles	GRN B2-3 003-1	0.00 Cu. Yd.	62.18 Cu. Yd.	62.18 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.18 Cu. Yd.	62.18 Cu. Yd.<Fill>	Stock Pile
2	Base Of 3-24-2011 Piles	GRN B2-3 003-2	0.00 Cu. Yd.	67.88 Cu. Yd.	67.88 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.88 Cu. Yd.	67.88 Cu. Yd.<Fill>	Stock Pile
3	Base Of 3-24-2011 Piles	GRN B2-3 004	0.00 Cu. Yd.	64.61 Cu. Yd.	64.61 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.61 Cu. Yd.	64.61 Cu. Yd.<Fill>	Stock Pile
4	Base Of 3-24-2011 Piles	GRN B2-11 001-1	0.00 Cu. Yd.	66.97 Cu. Yd.	66.97 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	66.97 Cu. Yd.	66.97 Cu. Yd.<Fill>	Stock Pile
5	Base Of 3-24-2011 Piles	GRN B2-11 001-2	0.00 Cu. Yd.	59.45 Cu. Yd.	59.45 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	59.45 Cu. Yd.	59.45 Cu. Yd.<Fill>	Stock Pile
6	Base Of 3-24-2011 Piles	GRN B2-11 002-1	0.00 Cu. Yd.	52.19 Cu. Yd.	52.19 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	52.19 Cu. Yd.	52.19 Cu. Yd.<Fill>	Stock Pile
7	Base Of 3-24-2011 Piles	GRN B2-11 002-2	0.00 Cu. Yd.	63.20 Cu. Yd.	63.20 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.20 Cu. Yd.	63.20 Cu. Yd.<Fill>	Stock Pile
8	Base Of 3-24-2011 Piles	GRN B2-11 003-2	0.00 Cu. Yd.	63.39 Cu. Yd.	63.39 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.39 Cu. Yd.	63.39 Cu. Yd.<Fill>	Stock Pile
9	Base Of 3-24-2011 Piles	GRN B2-11 004-1	0.32 Cu. Yd.	58.32 Cu. Yd.	58.00 Cu. Yd.<Fill>	1	1	0.32 Cu. Yd.	58.32 Cu. Yd.	58.00 Cu. Yd.<Fill>	Stock Pile
10	Base Of 3-24-2011 Piles	GRN B2-11 004-2	0.00 Cu. Yd.	62.15 Cu. Yd.	62.15 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.15 Cu. Yd.	62.15 Cu. Yd.<Fill>	Stock Pile
11	Base Of 3-24-2011 Piles	GRN B3-15 001-1	0.00 Cu. Yd.	56.04 Cu. Yd.	56.04 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	56.04 Cu. Yd.	56.04 Cu. Yd.<Fill>	Stock Pile
12	Base Of 3-24-2011 Piles	GRN B3-15 001-2	0.00 Cu. Yd.	72.80 Cu. Yd.	72.80 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	72.80 Cu. Yd.	72.80 Cu. Yd.<Fill>	Stock Pile
13	Base Of 3-24-2011 Piles	GRN B3-15 002-1	0.00 Cu. Yd.	54.63 Cu. Yd.	54.62 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.63 Cu. Yd.	54.62 Cu. Yd.<Fill>	Stock Pile
14	Base Of 3-24-2011 Piles	GRN B3-15 002-2	0.00 Cu. Yd.	63.44 Cu. Yd.	63.44 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.44 Cu. Yd.	63.44 Cu. Yd.<Fill>	Stock Pile
15	Base Of 3-24-2011 Piles	GRN B3-15 003-1	0.00 Cu. Yd.	61.80 Cu. Yd.	61.80 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	61.80 Cu. Yd.	61.80 Cu. Yd.<Fill>	Stock Pile
16	Base Of 3-24-2011 Piles	GRN B3-15 003-2	0.00 Cu. Yd.	31.80 Cu. Yd.	31.80 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	31.80 Cu. Yd.	31.80 Cu. Yd.<Fill>	Stock Pile

3/30/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B1-16_4ft BGS	B2-16_9ft BGS	441.32 Cu. Yd.	0.00 Cu. Yd.	441.32 Cu. Yd.<Cut>	1	1	441.32 Cu. Yd.	0.00 Cu. Yd.	441.32 Cu. Yd.<Cut>	Direct Load

4/1/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-4_4ft BGS	476.47 Cu. Yd.	0.00 Cu. Yd.	476.47 Cu. Yd.<Cut>	1	1	476.47 Cu. Yd.	0.00 Cu. Yd.	476.47 Cu. Yd.<Cut>	Direct Load
2	B2-2_9ft BGS	B3-2 9ft-WLD	106.18 Cu. Yd.	0.00 Cu. Yd.	106.18 Cu. Yd.<Cut>	1	1	106.18 Cu. Yd.	0.00 Cu. Yd.	106.18 Cu. Yd.<Cut>	Direct Load
3	B2-10-9ft -BGS	B3-10-WLD	376.13 Cu. Yd.	0.00 Cu. Yd.	376.13 Cu. Yd.<Cut>	1	1	376.13 Cu. Yd.	0.00 Cu. Yd.	376.13 Cu. Yd.<Cut>	Direct Load

4/5/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base Grn 4-5-11	GRN B2-17 002-1	0.00 Cu. Yd.	58.05 Cu. Yd.	58.05 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	58.05 Cu. Yd.	58.05 Cu. Yd.<Fill>	Stock Pile
2	Base Grn 4-5-11	GRN B2-17 001-2	0.00 Cu. Yd.	62.95 Cu. Yd.	62.95 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.95 Cu. Yd.	62.95 Cu. Yd.<Fill>	Stock Pile
3	Base Grn 4-5-11	GRN B3-11 001-2	0.00 Cu. Yd.	62.06 Cu. Yd.	62.06 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.06 Cu. Yd.	62.06 Cu. Yd.<Fill>	Stock Pile
4	Base Grn 4-5-11	GRN B3-11 002-1	0.00 Cu. Yd.	63.08 Cu. Yd.	63.08 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.08 Cu. Yd.	63.08 Cu. Yd.<Fill>	Stock Pile
5	Base Grn 4-5-11	GRN B3-11 001-1	0.00 Cu. Yd.	57.29 Cu. Yd.	57.28 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.29 Cu. Yd.	57.28 Cu. Yd.<Fill>	Stock Pile
6	Base Grn 4-5-11	GRN B2-17 004-2	0.00 Cu. Yd.	56.15 Cu. Yd.	56.15 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	56.15 Cu. Yd.	56.15 Cu. Yd.<Fill>	Stock Pile
7	Base Grn 4-5-11	GRN B2-17 004-1	0.00 Cu. Yd.	54.27 Cu. Yd.	54.27 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.27 Cu. Yd.	54.27 Cu. Yd.<Fill>	Stock Pile
8	Base of GRN B2-17 001-1	GRN B2-17 001-1	0.00 Cu. Yd.	57.45 Cu. Yd.	57.45 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.45 Cu. Yd.	57.45 Cu. Yd.<Fill>	Stock Pile
9	Base Grn 4-5-11	GRN B2-17 003-2	0.00 Cu. Yd.	66.95 Cu. Yd.	66.95 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	66.95 Cu. Yd.	66.95 Cu. Yd.<Fill>	Stock Pile
10	Base Grn 4-5-11	GRN B2-17 003-1	0.01 Cu. Yd.	59.13 Cu. Yd.	59.12 Cu. Yd.<Fill>	1	1	0.01 Cu. Yd.	59.13 Cu. Yd.	59.12 Cu. Yd.<Fill>	Stock Pile
11	Base Grn 4-5-11	GRN B2-17 002-2	0.00 Cu. Yd.	62.19 Cu. Yd.	62.19 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.19 Cu. Yd.	62.19 Cu. Yd.<Fill>	Stock Pile

4/6/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-6-4ft-BGS	363.44 Cu. Yd.	0.00 Cu. Yd.	363.44 Cu. Yd.<Cut>	1	1	363.44 Cu. Yd.	0.00 Cu. Yd.	363.44 Cu. Yd.<Cut>	Direct Load
2	B2-16_9ft BGS	B3-16-WLD	211.03 Cu. Yd.	0.00 Cu. Yd.	211.03 Cu. Yd.<Cut>	1	1	211.03 Cu. Yd.	0.00 Cu. Yd.	211.03 Cu. Yd.<Cut>	Direct Load
3	B2-3-9ft-BGS	B3-3-WLD	138.89 Cu. Yd.	0.00 Cu. Yd.	138.89 Cu. Yd.<Cut>	1	1	138.89 Cu. Yd.	0.00 Cu. Yd.	138.89 Cu. Yd.<Cut>	Direct Load

4/14/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	EG-3mOakdale-A_B	B1-1_4ft BGS	419.64 Cu. Yd.	0.00 Cu. Yd.	419.64 Cu. Yd.<Cut>	1	1	419.64 Cu. Yd.	0.00 Cu. Yd.	419.64 Cu. Yd.<Cut>	Direct Load
2	B1-4_4ft BGS	B2-4_9ft BGS	562.46 Cu. Yd.	0.00 Cu. Yd.	562.46 Cu. Yd.<Cut>	1	1	562.46 Cu. Yd.	0.00 Cu. Yd.	562.46 Cu. Yd.<Cut>	Direct Load
3	B1-12_4ft BGS	B2-12_9ft BGS	401.71 Cu. Yd.	0.00 Cu. Yd.	401.71 Cu. Yd.<Cut>	1	1	401.71 Cu. Yd.	0.00 Cu. Yd.	401.71 Cu. Yd.<Cut>	Direct Load

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF B3-11_4-14-2011	GRN B3-11 002-2	0.00 Cu. Yd.	61.28 Cu. Yd.	61.28 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	61.28 Cu. Yd.	61.28 Cu. Yd.<Fill>	Stock Pile
2	BASE OF B3-11_4-14-2011	GRN B3-11 003-1	0.00 Cu. Yd.	68.05 Cu. Yd.	68.05 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	68.05 Cu. Yd.	68.05 Cu. Yd.<Fill>	Stock Pile
3	BASE OF B3-11_4-14-2011	GRN B3-11 003-2	0.00 Cu. Yd.	67.42 Cu. Yd.	67.42 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.42 Cu. Yd.	67.42 Cu. Yd.<Fill>	Stock Pile
4	BASE OF B3-11_4-14-2011	GRN B3-11 004	0.00 Cu. Yd.	56.90 Cu. Yd.	56.90 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	56.90 Cu. Yd.	56.90 Cu. Yd.<Fill>	Stock Pile

4/15/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF 4-15-2011	GRN B2-5 001-1	0.00 Cu. Yd.	67.40 Cu. Yd.	67.40 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.40 Cu. Yd.	67.40 Cu. Yd.<Fill>	Stock Pile
2	BASE OF 4-15-2011	GRN B2-5 001-2	0.00 Cu. Yd.	68.54 Cu. Yd.	68.54 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	68.54 Cu. Yd.	68.54 Cu. Yd.<Fill>	Stock Pile
3	BASE OF 4-15-2011	GRN B2-5 002-1	0.00 Cu. Yd.	72.96 Cu. Yd.	72.96 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	72.96 Cu. Yd.	72.96 Cu. Yd.<Fill>	Stock Pile
4	BASE OF 4-15-2011	GRN B2-5 002-2	0.00 Cu. Yd.	66.47 Cu. Yd.	66.47 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	66.47 Cu. Yd.	66.47 Cu. Yd.<Fill>	Stock Pile
5	BASE OF 4-15-2011	GRN B2-5 003-1	0.00 Cu. Yd.	60.08 Cu. Yd.	60.08 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	60.08 Cu. Yd.	60.08 Cu. Yd.<Fill>	Stock Pile
6	BASE OF 4-15-2011	GRN B2-5 003-2	0.01 Cu. Yd.	68.98 Cu. Yd.	68.97 Cu. Yd.<Fill>	1	1	0.01 Cu. Yd.	68.98 Cu. Yd.	68.97 Cu. Yd.<Fill>	Stock Pile
7	BASE OF 4-15-2011	GRN B2-5 004-1	0.00 Cu. Yd.	70.50 Cu. Yd.	70.50 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	70.50 Cu. Yd.	70.50 Cu. Yd.<Fill>	Stock Pile
8	BASE OF 4-15-2011	GRN B2-5 004-2	0.00 Cu. Yd.	66.77 Cu. Yd.	66.77 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	66.77 Cu. Yd.	66.77 Cu. Yd.<Fill>	Stock Pile
9	BASE OF 4-15-2011	GRN B2-13 001-1	0.00 Cu. Yd.	64.98 Cu. Yd.	64.98 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.98 Cu. Yd.	64.98 Cu. Yd.<Fill>	Stock Pile
10	BASE OF 4-15-2011	GRN B2-13 001-2	0.00 Cu. Yd.	52.87 Cu. Yd.	52.87 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	52.87 Cu. Yd.	52.87 Cu. Yd.<Fill>	Stock Pile

4/19/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B2-4_9ft BGS	B3-4-WLD	226.85 Cu. Yd.	0.00 Cu. Yd.	226.85 Cu. Yd.<Cut>	1	1	226.85 Cu. Yd.	0.00 Cu. Yd.	226.85 Cu. Yd.<Cut>	Direct Load
2	B2-17-9FT-BGS	B3-17-WLD	179.89 Cu. Yd.	1.31 Cu. Yd.	178.57 Cu. Yd.<Cut>	1	1	179.89 Cu. Yd.	1.31 Cu. Yd.	178.57 Cu. Yd.<Cut>	Direct Load

4/25/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	base south 4-25-2011	GRN B2-06 001-1	0.21 Cu. Yd.	47.88 Cu. Yd.	47.68 Cu. Yd.<Fill>	1	1	0.21 Cu. Yd.	47.88 Cu. Yd.	47.68 Cu. Yd.<Fill>	Stock Pile
2	base south 4-25-2011	GRN B2-06 001-2	0.07 Cu. Yd.	56.53 Cu. Yd.	56.45 Cu. Yd.<Fill>	1	1	0.07 Cu. Yd.	56.53 Cu. Yd.	56.45 Cu. Yd.<Fill>	Stock Pile
3	base south 4-25-2011	GRN B2-06 002-1	0.00 Cu. Yd.	37.84 Cu. Yd.	37.84 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	37.84 Cu. Yd.	37.84 Cu. Yd.<Fill>	Stock Pile
4	base south 4-25-2011	GRN B2-06 002-2	0.02 Cu. Yd.	55.59 Cu. Yd.	55.57 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	55.59 Cu. Yd.	55.57 Cu. Yd.<Fill>	Stock Pile
5	base south 4-25-2011	GRN B2-06 003-1	0.13 Cu. Yd.	55.06 Cu. Yd.	54.93 Cu. Yd.<Fill>	1	1	0.13 Cu. Yd.	55.06 Cu. Yd.	54.93 Cu. Yd.<Fill>	Stock Pile
6	base south 4-25-2011	GRN B2-06 003-2	0.14 Cu. Yd.	51.45 Cu. Yd.	51.31 Cu. Yd.<Fill>	1	1	0.14 Cu. Yd.	51.45 Cu. Yd.	51.31 Cu. Yd.<Fill>	Stock Pile
7	base south 4-25-2011	GRN B2-06 004-1	0.12 Cu. Yd.	60.66 Cu. Yd.	60.53 Cu. Yd.<Fill>	1	1	0.12 Cu. Yd.	60.66 Cu. Yd.	60.53 Cu. Yd.<Fill>	Stock Pile
8	base south 4-25-2011	GRN B2-06 004-2	0.02 Cu. Yd.	62.84 Cu. Yd.	62.82 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	62.84 Cu. Yd.	62.82 Cu. Yd.<Fill>	Stock Pile
9	base south 4-25-2011	GRN B2-13 002-1	0.02 Cu. Yd.	56.41 Cu. Yd.	56.39 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	56.41 Cu. Yd.	56.39 Cu. Yd.<Fill>	Stock Pile
10	base south 4-25-2011	GRN B2-13 002-2	0.00 Cu. Yd.	50.00 Cu. Yd.	50.00 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	50.00 Cu. Yd.	50.00 Cu. Yd.<Fill>	Stock Pile
11	base south 4-25-2011	GRN B2-13 003-1	0.00 Cu. Yd.	57.51 Cu. Yd.	57.51 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.51 Cu. Yd.	57.51 Cu. Yd.<Fill>	Stock Pile
12	base south 4-25-2011	GRN B2-13 003-2	0.00 Cu. Yd.	47.90 Cu. Yd.	47.90 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	47.90 Cu. Yd.	47.90 Cu. Yd.<Fill>	Stock Pile
13	base south 4-25-2011	GRN B2-13 004-2	0.00 Cu. Yd.	46.75 Cu. Yd.	46.75 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	46.75 Cu. Yd.	46.75 Cu. Yd.<Fill>	Stock Pile
14	base south 4-25-2011	GRN B2-13 005	0.00 Cu. Yd.	59.09 Cu. Yd.	59.09 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	59.09 Cu. Yd.	59.09 Cu. Yd.<Fill>	Stock Pile
15	base north of 4-25-2011	GRN B2-14 001-1	0.00 Cu. Yd.	67.09 Cu. Yd.	67.09 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.09 Cu. Yd.	67.09 Cu. Yd.<Fill>	Stock Pile
16	base north of 4-25-2011	GRN B2-14 001-2	0.00 Cu. Yd.	65.05 Cu. Yd.	65.05 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	65.05 Cu. Yd.	65.05 Cu. Yd.<Fill>	Stock Pile
17	base north of 4-25-2011	GRN B2-14 002-1	0.00 Cu. Yd.	60.50 Cu. Yd.	60.50 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	60.50 Cu. Yd.	60.50 Cu. Yd.<Fill>	Stock Pile
18	base north of 4-25-2011	GRN B2-14 002-2	0.00 Cu. Yd.	62.94 Cu. Yd.	62.94 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	62.94 Cu. Yd.	62.94 Cu. Yd.<Fill>	Stock Pile
19	base north of 4-25-2011	GRN B2-14 003-1	0.00 Cu. Yd.	75.13 Cu. Yd.	75.13 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	75.13 Cu. Yd.	75.13 Cu. Yd.<Fill>	Stock Pile
20	base north of 4-25-2011	GRN B2-14 003-2	0.00 Cu. Yd.	67.15 Cu. Yd.	67.15 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	67.15 Cu. Yd.	67.15 Cu. Yd.<Fill>	Stock Pile
21	base north of 4-25-2011	GRN B2-14 004-1	0.00 Cu. Yd.	61.87 Cu. Yd.	61.87 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	61.87 Cu. Yd.	61.87 Cu. Yd.<Fill>	Stock Pile
22	base south 4-25-2011	GRN B2-14 004-2	0.00 Cu. Yd.	63.51 Cu. Yd.	63.51 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	63.51 Cu. Yd.	63.51 Cu. Yd.<Fill>	Stock Pile
23	base south 4-25-2011	GRN B3-12 001-1	0.00 Cu. Yd.	58.35 Cu. Yd.	58.35 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	58.35 Cu. Yd.	58.35 Cu. Yd.<Fill>	Stock Pile
24	base south 4-25-2011	GRN B3-12 001-2	0.00 Cu. Yd.	58.20 Cu. Yd.	58.20 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	58.20 Cu. Yd.	58.20 Cu. Yd.<Fill>	Stock Pile
25	base south 4-25-2011	GRN B3-12 002-1	0.09 Cu. Yd.	48.81 Cu. Yd.	48.72 Cu. Yd.<Fill>	1	1	0.09 Cu. Yd.	48.81 Cu. Yd.	48.72 Cu. Yd.<Fill>	Stock Pile
26	base south 4-25-2011	GRN B3-12 002-2	0.31 Cu. Yd.	42.41 Cu. Yd.	42.10 Cu. Yd.<Fill>	1	1	0.31 Cu. Yd.	42.41 Cu. Yd.	42.10 Cu. Yd.<Fill>	Stock Pile
27	base south 4-25-2011	GRN B3-12 003-1	0.00 Cu. Yd.	68.45 Cu. Yd.	68.45 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	68.45 Cu. Yd.	68.45 Cu. Yd.<Fill>	Stock Pile
28	base south 4-25-2011	GRN B3-12 003-2	0.00 Cu. Yd.	54.88 Cu. Yd.	54.88 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.88 Cu. Yd.	54.88 Cu. Yd.<Fill>	Stock Pile

4/27/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
~~1~~	~~B1-1_4ft BGS~~	~~B2-1_9ft BGS~~	~~497.13 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~497.13 Cu. Yd.<Cut>~~	~~1~~	~~1~~	~~497.13 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~497.13 Cu. Yd.<Cut>~~	~~Direct Load~~
2	B1-18_4ft BGS	B2-18_9ft BGS	358.39 Cu. Yd.	0.00 Cu. Yd.	358.39 Cu. Yd.<Cut>	1	1	358.39 Cu. Yd.	0.00 Cu. Yd.	358.39 Cu. Yd.<Cut>	Direct Load
~~3~~	~~B1-19_4ft BGS~~	~~B2-19_9ft BGS~~	~~456.89 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~456.89 Cu. Yd.<Cut>~~	~~1~~	~~1~~	~~456.89 Cu. Yd.~~	~~0.00 Cu. Yd.~~	~~456.89 Cu. Yd.<Cut>~~	~~Direct Load~~

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE of GRN B2-13 004-1	GRN B2-13 004-1	0.00 Cu. Yd.	64.70 Cu. Yd.	64.70 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.70 Cu. Yd.	64.70 Cu. Yd.<Fill>	Stock Pile

4/27/2011 Updated

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B1-1_4ft BGS	B2-1_9ft BGS	496.89 Cu. Yd.	0.00 Cu. Yd.	496.89 Cu. Yd.<Cut>	1	1	496.89 Cu. Yd.	0.00 Cu. Yd.	496.89 Cu. Yd.<Cut>	Direct Load
3	B1-19_4ft BGS	B2-19_9ft BGS	456.90 Cu. Yd.	0.00 Cu. Yd.	456.90 Cu. Yd.<Cut>	1	1	456.90 Cu. Yd.	0.00 Cu. Yd.	456.90 Cu. Yd.<Cut>	Direct Load

5/3/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	BASE OF PILES-5-3-2011	GRN B2-14 005	0.00 Cu. Yd.	70.99 Cu. Yd.	70.98 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	70.99 Cu. Yd.	70.98 Cu. Yd.<Fill>	Stock Pile
2	BASE OF PILES-5-3-2011	GRN B3-5 001-1	0.00 Cu. Yd.	65.03 Cu. Yd.	65.03 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	65.03 Cu. Yd.	65.03 Cu. Yd.<Fill>	Stock Pile
3	BASE OF PILES-5-3-2011	GRN B3-5 001-2	0.00 Cu. Yd.	64.81 Cu. Yd.	64.81 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.81 Cu. Yd.	64.81 Cu. Yd.<Fill>	Stock Pile
4	BASE OF PILES-5-3-2011	GRN B3-5 001-2	0.00 Cu. Yd.	64.81 Cu. Yd.	64.81 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.81 Cu. Yd.	64.81 Cu. Yd.<Fill>	Stock Pile
5	BASE OF PILES-5-3-2011	GRN B3-5 002-2	0.04 Cu. Yd.	51.43 Cu. Yd.	51.40 Cu. Yd.<Fill>	1	1	0.04 Cu. Yd.	51.43 Cu. Yd.	51.40 Cu. Yd.<Fill>	Stock Pile
6	BASE OF PILES-5-3-2011	GRN B3-5 003	0.00 Cu. Yd.	58.94 Cu. Yd.	58.94 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	58.94 Cu. Yd.	58.94 Cu. Yd.<Fill>	Stock Pile
7	BASE OF PILES-5-3-2011	GRN B3-13 001-1	0.00 Cu. Yd.	58.19 Cu. Yd.	58.19 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	58.19 Cu. Yd.	58.19 Cu. Yd.<Fill>	Stock Pile
8	BASE OF PILES-5-3-2011	GRN B3-13 001-2	0.00 Cu. Yd.	56.46 Cu. Yd.	56.46 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	56.46 Cu. Yd.	56.46 Cu. Yd.<Fill>	Stock Pile
9	BASE OF PILES-5-3-2011	GRN B3-13 002-1	0.00 Cu. Yd.	57.45 Cu. Yd.	57.45 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	57.45 Cu. Yd.	57.45 Cu. Yd.<Fill>	Stock Pile
10	BASE OF PILES-5-3-2011	GRN B3-13 002-2	0.02 Cu. Yd.	53.14 Cu. Yd.	53.12 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	53.14 Cu. Yd.	53.12 Cu. Yd.<Fill>	Stock Pile
11	BASE OF PILES-5-3-2011	GRN B3-19 001-2	0.00 Cu. Yd.	64.89 Cu. Yd.	64.89 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.89 Cu. Yd.	64.89 Cu. Yd.<Fill>	Stock Pile

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	B2-1_9ft BGS	B3-1-WLD	217.51 Cu. Yd.	0.00 Cu. Yd.	217.51 Cu. Yd.<Cut>	1	1	217.51 Cu. Yd.	0.00 Cu. Yd.	217.51 Cu. Yd.<Cut>	Direct Load
2	B2-18_9ft BGS	B3-18-WLD	67.95 Cu. Yd.	2.26 Cu. Yd.	65.69 Cu. Yd.<Cut>	1	1	67.95 Cu. Yd.	2.26 Cu. Yd.	65.69 Cu. Yd.<Cut>	Direct Load

5/6/2011

Index	Base Surface	Comparison Surface	Cut	Fill	Net	Cut Factor	Fill Factor	Cut (adjusted)	Fill (adjusted)	Net (adjusted)	Description
1	Base Of 5-6-2011(1)	GRN B3-13 003-1	0.00 Cu. Yd.	42.95 Cu. Yd.	42.95 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	42.95 Cu. Yd.	42.95 Cu. Yd.<Fill>	Stock Pile
2	Base Of 5-6-2011(1)	GRN B3-13 003-2	0.00 Cu. Yd.	52.75 Cu. Yd.	52.75 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	52.75 Cu. Yd.	52.75 Cu. Yd.<Fill>	Stock Pile
3	Base Of 5-6-2011(1)	GRN B3-14 001-1	0.00 Cu. Yd.	53.96 Cu. Yd.	53.96 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	53.96 Cu. Yd.	53.96 Cu. Yd.<Fill>	Stock Pile
4	Base Of 5-6-2011(1)	GRN B3-14 001-2	0.00 Cu. Yd.	54.43 Cu. Yd.	54.43 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.43 Cu. Yd.	54.43 Cu. Yd.<Fill>	Stock Pile
5	Base Of 5-6-2011(1)	GRN B3-19 001-1	0.00 Cu. Yd.	29.68 Cu. Yd.	29.68 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	29.68 Cu. Yd.	29.68 Cu. Yd.<Fill>	Stock Pile
6	Base Of 5-6-2011(2)	GRN B3-6 001-1	0.00 Cu. Yd.	64.86 Cu. Yd.	64.86 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	64.86 Cu. Yd.	64.86 Cu. Yd.<Fill>	Stock Pile
7	Base Of 5-6-2011(2)	GRN B3-6 001-2	0.00 Cu. Yd.	69.23 Cu. Yd.	69.23 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	69.23 Cu. Yd.	69.23 Cu. Yd.<Fill>	Stock Pile
8	Base Of 5-6-2011(2)	GRN B3-6 002	0.00 Cu. Yd.	54.53 Cu. Yd.	54.53 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	54.53 Cu. Yd.	54.53 Cu. Yd.<Fill>	Stock Pile
9	Base Of 5-6-2011(2)	GRN B3-14 002-1	0.02 Cu. Yd.	60.44 Cu. Yd.	60.42 Cu. Yd.<Fill>	1	1	0.02 Cu. Yd.	60.44 Cu. Yd.	60.42 Cu. Yd.<Fill>	Stock Pile
10	Base Of 5-6-2011(2)	GRN B3-14 002-2	0.00 Cu. Yd.	73.47 Cu. Yd.	73.47 Cu. Yd.<Fill>	1	1	0.00 Cu. Yd.	73.47 Cu. Yd.	73.47 Cu. Yd.<Fill>	Stock Pile

APPENDIX F
HAULING DOCUMENTATION

APPENDIX F-1
LANDFILL LOAD ACCEPTANCE SUMMARIES

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/12/2011 to 01/12/2011**
PRINTED ON (DATE): **Thursday, January 13, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1067 (A)	765301	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	22.81
1069 (A)	765302	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	19.97
1075 (A)	765303	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	22.66
1079 (A)	765304	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	27.99
1093 (A)	765305	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	25.15
1096 (A)	765306	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	26.42
1100 (A)	765307	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	27.15
1108 (A)	765308	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	31.49
1111 (A)	765309	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	27.20
1117 (A)	765310	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	26.10
1120 (A)	765311	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	27.42
1124 (A)	765312	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	27.19
1133 (A)	765313	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	29.41
1136 (A)	765314	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	27.60
1140 (A)	765315	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	28.76
1143 (A)	765316	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.27
1148 (A)	765317	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	27.34
1152 (A)	765318	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	25.79
1156 (A)	765319	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	29.34
1158 (A)	765320	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	27.11
1163 (A)	765321	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	26.20
1171 (A)	765322	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	25.93
1173 (A)	765323	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	25.98
1176 (A)	765324	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.24
1179 (A)	765325	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	26.68
1181 (A)	765326	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	26.33
1188 (A)	765327	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	28.00
1193 (A)	765328	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	25.45
1196 (A)	765329	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	27.36
1203 (A)	765330	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	26.82
1205 (A)	765331	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	27.42
1208 (A)	765332	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	26.80
1209 (A)	765333	1/12/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	27.25

Total # of Loads: 33 **Total Tons: 872.63**

Grand Total (Tons): 872.63
Grand Total (Loads): 33

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/13/2011 to 01/13/2011**
PRINTED ON (DATE): **Friday, January 14, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1235 (A)	765336	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	25.36
1239 (A)	765338	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	26.13
1242 (A)	765339	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	28.81
1251 (A)	765337	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	26.28
1253 (A)	765340	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	27.04
1255 (A)	765341	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.29
1257 (A)	765342	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.42
1263 (A)	765343	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.89
1266 (A)	765344	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	26.18
1268 (A)	765345	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	27.42
1273 (A)	765346	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	28.43
1280 (A)	765347	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.90
1281 (A)	765348	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.89
1285 (A)	765349	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	26.30
1287 (A)	765350	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	25.11
1289 (A)	765351	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	24.12
1292 (A)	765352	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	28.35
1293 (A)	765353	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	26.19
1300 (A)	765354	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	27.02
1301 (A)	765355	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.00
1303 (A)	765356	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	26.21
1306 (A)	765357	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	23.12
1311 (A)	765358	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	28.54
1312 (A)	765359	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.76
1313 (A)	765360	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.53
1315 (A)	765361	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	26.08
1317 (A)	765362	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	26.91
1318 (A)	765363	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.72
1319 (A)	765364	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	26.84
1321 (A)	765365	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	25.86
1326 (A)	765366	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z4	870	23.65
1330 (A)	765367	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	21.87
1331 (A)	765368	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.88
1333 (A)	765369	1/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.26

Total # of Loads: 34 **Total Tons: 878.36**

Grand Total (Tons): 878.36
Grand Total (Loads): 34

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/17/2011 to 01/17/2011**
PRINTED ON (DATE): **Tuesday, January 18, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1473 (A)	765334	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	29.19
1475 (A)	765335	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.56
1478 (A)	765370	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.58
1482 (A)	765371	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.84
1486 (A)	765372	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.55
1496 (A)	765373	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	27.28
1500 (A)	765374	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.76
1506 (A)	765375	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	29.23
1509 (A)	765376	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.14
1511 (A)	765377	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	27.33
1513 (A)	765378	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	26.20
1518 (A)	765379	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	26.67
1519 (A)	765380	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	26.99
1524 (A)	765381	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	28.58
1534 (A)	765382	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.33
1536 (A)	765383	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.57
1539 (A)	765384	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.89
1540 (A)	765385	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.13
1545 (A)	765386	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.84
1548 (A)	765387	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	26.36
1550 (A)	765388	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.27
1554 (A)	765389	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	28.31
1562 (A)	765390	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	25.30
1567 (A)	765391	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	29.62
1568 (A)	765392	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	25.44
1570 (A)	765393	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	28.38
1571 (A)	765394	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	25.63
1573 (A)	765395	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.40
1576 (A)	765396	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	25.48
1582 (A)	765397	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	25.66
1585 (A)	765398	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.06
1589 (A)	765399	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	25.84
1590 (A)	765400	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.45
1593 (A)	765401	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.22
1594 (A)	765402	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	28.82
1595 (A)	765403	1/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.81

Total # of Loads: 36 **Total Tons: 952.71**

Grand Total (Tons): 952.71
Grand Total (Loads): 36

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/18/2011 to 01/18/2011**
PRINTED ON (DATE): **Tuesday, January 18, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1626 (A)	765405	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	26.82
1628 (A)	765404	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	26.14
1629 (A)	765406	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	27.28
1633 (A)	765407	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	28.55
1637 (A)	765408	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.07
1644 (A)	765409	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.25
1648 (A)	765410	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.27
1658 (A)	765411	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	25.77
1663 (A)	765412	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	26.00
1664 (A)	765413	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	25.09
1671 (A)	765414	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	20.16
1674 (A)	765415	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	27.25
1675 (A)	765416	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	26.07
1684 (A)	765417	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	26.84
1688 (A)	765418	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	28.30
1693 (A)	765419	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	26.51
1700 (A)	765420	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	25.09
1707 (A)	765421	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	26.87
1715 (A)	765422	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.80
1716 (A)	765423	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.33
1719 (A)	765424	1/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.45
				Total # of Loads: 21			**Total Tons:**	**534.91**

Grand Total (Tons): 534.91
Grand Total (Loads): 21

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/19/2011 to 01/19/2011**
PRINTED ON (DATE): **Thursday, January 20, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1802 (A)	765450	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.95
1805 (A)	765451	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.91
1806 (A)	765452	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.92
1808 (A)	765453	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.64
1813 (A)	765454	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.57
1815 (A)	765455	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	21.31
1816 (A)	765456	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.62
1818 (A)	765457	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.19
1819 (A)	765458	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.66
1823 (A)	765459	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	26.29
1833 (A)	765460	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.72
1835 (A)	765461	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.65
1836 (A)	765462	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	26.91
1837 (A)	765463	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	27.20
1841 (A)	765464	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	26.84
1844 (A)	765465	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	28.45
1845 (A)	765466	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	25.75
1852 (A)	765467	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	25.86
1853 (A)	765468	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.51
1855 (A)	765469	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.95
1857 (A)	765470	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.22
1859 (A)	765471	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.36
1862 (A)	765472	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.82
1863 (A)	765473	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.25
1871 (A)	765474	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	26.18
1873 (A)	765475	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.87
1874 (A)	765476	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.95
1880 (A)	765477	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.93
1883 (A)	765478	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.97
1885 (A)	765479	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.63
1889 (A)	765480	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.15
1891 (A)	765481	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.76
1892 (A)	765482	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.19
1893 (A)	765483	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	28.52
1897 (A)	765484	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.51
1900 (A)	765485	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	23.51
1902 (A)	765486	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	29.22
1907 (A)	765487	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	26.30
1908 (A)	765488	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.92
1910 (A)	765489	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	27.01
1912 (A)	765490	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.30
1914 (A)	765491	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.20
1916 (A)	765492	1/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	26.11

Total # of Loads: 43 **Total Tons: 1,079.78**

Grand Total (Tons): 1,079.78
Grand Total (Loads): 43

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/20/2011 to 01/20/2011**
PRINTED ON (DATE): **Friday, January 21, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
1942 (A)	765425	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	21.93
1944 (A)	765426	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.69
1946 (A)	765427	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.48
1948 (A)	765428	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.09
1949 (A)	765429	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.43
1951 (A)	765430	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.15
1956 (A)	765431	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.59
1958 (A)	765432	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	26.46
1963 (A)	765433	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	26.93
1964 (A)	765434	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.41
1969 (A)	765435	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.37
1972 (A)	765436	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.30
1974 (A)	765437	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.46
1976 (A)	765438	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.74
1980 (A)	765439	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.76
1982 (A)	765440	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.51
1983 (A)	765441	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	27.76
1986 (A)	765442	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.89
1987 (A)	765443	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.36
1990 (A)	765444	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	25.52
1993 (A)	765445	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.16
1996 (A)	765446	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.09
2000 (A)	765447	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	27.27
2003 (A)	765448	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.59
2005 (A)	765449	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	29.02
2007 (A)	765493	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	27.12
2009 (A)	765494	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.12
2012 (A)	765495	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.39
2016 (A)	765496	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	25.03
2017 (A)	765497	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.23
2023 (A)	765498	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	26.70
2024 (A)	765499	1/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.86
				Total # of Loads: 32			**Total Tons:**	**803.41**

Grand Total (Tons): 803.41
Grand Total (Loads): 32

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/24/2011 to 01/24/2011**
PRINTED ON (DATE): **Tuesday, January 25, 2011**

3MCOA
3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
2111 (A)	765501	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	27.28
2112 (A)	765502	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.03
2114 (A)	765503	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.34
2115 (A)	765504	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.93
2118 (A)	765505	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	28.00
2123 (A)	765506	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.63
2125 (A)	765507	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.41
2126 (A)	765508	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	25.33
2128 (A)	765509	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.77
2132 (A)	765510	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.07
2137 (A)	765511	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.66
2139 (A)	765512	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.09
2142 (A)	765513	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.89
2150 (A)	765515	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.89
2153 (A)	765516	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.33
2154 (A)	765517	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.49
2158 (A)	765518	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.63
2160 (A)	765519	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.56
2163 (A)	765520	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.77
2166 (A)	765521	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	25.62
2168 (A)	765522	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	28.31
2169 (A)	765523	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	22.08
2177 (A)	765524	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	27.05
2181 (A)	765525	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.41
2184 (A)	765526	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.51
2189 (A)	765527	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.36
2192 (A)	765514	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.01
2195 (A)	765528	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.53
2196 (A)	765529	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.69
2199 (A)	765530	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.18
2204 (A)	765531	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.60
2205 (A)	765532	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.62
2208 (A)	765533	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.57
2213 (A)	765534	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	20.78
2217 (A)	765535	1/24/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	23.87

Total # of Loads: 35 **Total Tons: 881.29**

Grand Total (Tons): 881.29
Grand Total (Loads): 35

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/25/2011 to 01/25/2011**
PRINTED ON (DATE): **Wednesday, January 26, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
2249 (A)	765536	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.12
2253 (A)	765537	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	28.65
2256 (A)	765539	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	21.03
2258 (A)	765538	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	27.20
2259 (A)	765540	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.74
2267 (A)	765541	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	28.37
2271 (A)	765542	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.39
2273 (A)	765543	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.33
2279 (A)	765544	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.24
2280 (A)	765545	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	27.79
2283 (A)	765546	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.22
2285 (A)	765547	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.19
2286 (A)	765548	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	25.64
2299 (A)	765549	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	28.00
2308 (A)	765550	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.63
2312 (A)	765551	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.77
2313 (A)	765552	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.15
2314 (A)	795553	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.27
2317 (A)	765554	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.08
2318 (A)	765555	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.87
2321 (A)	765556	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.14
2328 (A)	765557	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.95
2340 (A)	765558	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.16
2341 (A)	765559	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.99
2343 (A)	765560	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.59
2345 (A)	765561	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.47
2346 (A)	765562	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.38
2350 (A)	765563	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.09
2352 (A)	765564	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	25.87
2354 (A)	765565	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.33
2360 (A)	765566	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.60
2362 (A)	765567	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	27.91
2364 (A)	765568	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.75
2365 (A)	765569	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	25.18
2367 (A)	765570	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.17
2368 (A)	765571	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.59
2369 (A)	765572	1/25/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.66

Total # of Loads: 37 **Total Tons: 960.51**

Grand Total (Tons): 960.51
Grand Total (Loads): 37

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/26/2011 to 01/26/2011**
PRINTED ON (DATE): **Thursday, January 27, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
2392 (A)	765573	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.93
2393 (A)	765574	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	25.47
2395 (A)	765575	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.24
2400 (A)	765576	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	24.95
2402 (A)	765577	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	25.31
2420 (A)	765578	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.10
2421 (A)	765579	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.33
2422 (A)	765580	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.93
2427 (A)	765581	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.18
2431 (A)	765582	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.46
2432 (A)	765583	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	21.98
2435 (A)	765584	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.02
2452 (A)	765585	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.53
2454 (A)	765586	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.19
2459 (A)	765587	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.86
2460 (A)	765588	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.13
2463 (A)	765589	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.40
2467 (A)	765590	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.35
2470 (A)	765591	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.62
2473 (A)	765592	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.95
2483 (A)	765593	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.63
2484 (A)	765594	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	25.16
2489 (A)	765595	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.55
2491 (A)	765596	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	27.08
2493 (A)	765597	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W9	870	26.24
2495 (A)	765598	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.91
2503 (A)	765599	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	26.22
2505 (A)	765600	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.30
2514 (A)	765601	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.25
2516 (A)	765602	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	25.47
2517 (A)	765603	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.46
2518 (A)	765604	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.13
2522 (A)	765605	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.36
2524 (A)	765606	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.62
2530 (A)	765607	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.43
2531 (A)	765608	1/26/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.36

Total # of Loads: 36 **Total Tons: 910.10**

Grand Total (Tons): 910.10
Grand Total (Loads): 36

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **01/31/2011 to 01/31/2011**
PRINTED ON (DATE): **Tuesday, February 01, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
2754 (A)	765610	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.51
2755 (A)	765611	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.00
2756 (A)	765612	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.83
2760 (A)	765613	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.55
2769 (A)	765614	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.79
2771 (A)	765615	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.51
2774 (A)	765616	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.95
2776 (A)	765617	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.92
2777 (A)	765618	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.65
2782 (A)	765619	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.70
2784 (A)	765620	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.88
2786 (A)	765621	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.92
2791 (A)	765622	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.36
2793 (A)	765623	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.60
2797 (A)	765624	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.02
2798 (A)	765625	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.12
2799 (A)	765626	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	28.72
2802 (A)	765627	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.15
2803 (A)	765628	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.54
2805 (A)	765629	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.82
2806 (A)	765630	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.39
2811 (A)	765631	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.14
2815 (A)	765632	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.58
2820 (A)	765633	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.42
2822 (A)	765634	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.76
2824 (A)	765635	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.86
2825 (A)	765636	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.35
2827 (A)	765637	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.33
2828 (A)	765638	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	23.88
2829 (A)	765639	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.11
2830 (A)	765640	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.65
2835 (A)	765641	1/31/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.74

Total # of Loads: 32 **Total Tons: 811.75**

Grand Total (Tons): 811.75
Grand Total (Loads): 32

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/01/2011 to 02/01/2011**
PRINTED ON (DATE): **Wednesday, February 02, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
2859 (A)	765642	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.19
2860 (A)	765643	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.31
2864 (A)	765644	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.86
2866 (A)	765645	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.32
2877 (A)	765646	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	23.35
2880 (A)	765647	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.44
2881 (A)	765648	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.17
2885 (A)	765649	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.00
2895 (A)	765650	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.45
2898 (A)	765651	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.48
2902 (A)	765652	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.89
2905 (A)	765653	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.79
2912 (A)	765654	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.93
2915 (A)	765655	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.21
2918 (A)	765656	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.44
2921 (A)	765657	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.58
2926 (A)	765658	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.01
2928 (A)	765659	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.29
2936 (A)	765660	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.71
2938 (A)	765661	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.31
2944 (A)	765662	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.89
2949 (A)	765663	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.48
2950 (A)	765664	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	23.67
2954 (A)	765665	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.59
2960 (A)	765666	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.51
2962 (A)	765667	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.81
2969 (A)	765668	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.40
2971 (A)	765669	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.77
2976 (A)	765670	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.15
2980 (A)	765672	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.17
2981 (A)	765673	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.11
2984 (A)	765674	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.85
2991 (A)	765675	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.48
2992 (A)	765676	2/1/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.59

Total # of Loads: 34 **Total Tons: 855.20**

Grand Total (Tons): 855.20
Grand Total (Loads): 34

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/02/2011 to 02/02/2011**
PRINTED ON (DATE): **Thursday, February 03, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
3019 (A)	765678	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.41
3022 (A)	765679	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.22
3029 (A)	765680	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	23.48
3031 (A)	765681	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.74
3034 (A)	765682	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.24
3036 (A)	765683	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.93
3039 (A)	765684	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.29
3043 (A)	765685	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.59
3054 (A)	765686	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.57
3056 (A)	765687	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.31
3062 (A)	765688	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.01
3064 (A)	765689	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.73
3066 (A)	765690	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.10
3068 (A)	765691	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.90
3071 (A)	765692	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.41
3072 (A)	765693	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.85
3076 (A)	765694	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.00
3079 (A)	765695	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.70
3087 (A)	765696	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.77
3090 (A)	765698	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.54
3096 (A)	765699	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.37
3097 (A)	765700	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.51
3099 (A)	765701	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.08
3100 (A)	765702	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.77
3102 (A)	765703	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	23.47
3103 (A)	765704	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.01
3112 (A)	765705	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.02
3114 (A)	765706	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.92
3118 (A)	765707	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.33
3119 (A)	765708	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.61
3123 (A)	765709	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.04
3125 (A)	765710	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.73
3127 (A)	765711	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.76
3129 (A)	765712	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.34
3136 (A)	765713	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.13
3137 (A)	765714	2/2/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.60

Total # of Loads: 36 **Total Tons: 898.48**

Grand Total (Tons): 898.48
Grand Total (Loads): 36

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/03/2011 to 02/03/2011**
PRINTED ON (DATE): **Friday, February 04, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
3176 (A)	765715	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	21.84
3181 (A)	765716	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.15
3182 (A)	765717	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	12.54
3185 (A)	765718	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.19
3191 (A)	765719	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	28.19
3193 (A)	765720	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	28.40
3198 (A)	765721	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.60
3199 (A)	765722	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.35
3213 (A)	765723	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.04
3216 (A)	765724	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.84
3220 (A)	765725	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.76
3224 (A)	765726	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.82
3226 (A)	765727	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.20
3233 (A)	765728	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.50
3234 (A)	765729	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.04
3236 (A)	765730	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	20.07
3243 (A)	765731	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.06
3245 (A)	765732	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	15.86
3248 (A)	765733	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.53
3252 (A)	765734	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.14
3255 (A)	765735	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.70
3260 (A)	765736	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.08
3261 (A)	765737	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.05
3262 (A)	765738	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.74
3267 (A)	765739	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.92
3269 (A)	765740	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	27.84
3273 (A)	765741	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.98
3278 (A)	765742	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.57
3281 (A)	765744	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	28.49
3284 (A)	765743	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.82
3285 (A)	765745	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	27.74
3287 (A)	765746	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	26.37
3290 (A)	765747	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	25.87
3291 (A)	765748	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	22.78
3294 (A)	765749	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.04
3297 (A)	765750	2/3/2011	MI10-0266	Oakdale Soil Waste	3M	W10	870	24.57

Total # of Loads: 36 **Total Tons: 885.68**

Grand Total (Tons): 885.68
Grand Total (Loads): 36

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/04/2011 to 02/04/2011**
PRINTED ON (DATE): **Monday, February 07, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
3326 (A)	765751	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	875	26.16
3327 (A)	765752	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	875	27.15
3330 (A)	765753	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	875	25.36
3333 (A)	765754	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.97
3336 (A)	765755	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.38
3339 (A)	765756	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	19.51
3342 (A)	765757	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.72
3350 (A)	765758	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.70
3363 (A)	765759	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.94
3366 (A)	765760	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.39
3367 (A)	765761	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.29
3371 (A)	765762	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.80
3373 (A)	765763	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.47
3374 (A)	765764	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	22.55
3379 (A)	765765	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.58
3384 (A)	765766	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.19
3387 (A)	765767	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.13
3389 (A)	765768	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.76
3392 (A)	765769	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	27.06
3394 (A)	765770	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.28
3400 (A)	765771	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.67
3403 (A)	765773	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	30.12
3406 (A)	765774	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	27.78
3407 (A)	765772	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.08
3412 (A)	765775	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.14
3417 (A)	765776	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.96
3419 (A)	765777	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.96
3421 (A)	765778	2/4/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	21.87

Total # of Loads: 28 **Total Tons: 705.97**

Grand Total (Tons): 705.97
Grand Total (Loads): 28

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/10/2011 to 02/10/2011**
PRINTED ON (DATE): **Friday, February 11, 2011**

3MCOA
3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
3760 (A)	765779	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.44
3763 (A)	765780	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.25
3771 (A)	765781	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.61
3772 (A)	765782	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	27.33
3773 (A)	765783	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.04
3777 (A)	765784	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.87
3779 (A)	765785	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.49
3783 (A)	765786	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.95
3785 (A)	765787	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.41
3787 (A)	765788	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.02
3789 (A)	765789	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.60
3790 (A)	765790	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.05
3792 (A)	765791	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	28.19
3796 (A)	765792	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.92
3799 (A)	765793	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.47
3801 (A)	765794	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.35
3804 (A)	765795	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.63
3806 (A)	765796	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.52
3807 (A)	765797	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.92
3810 (A)	765798	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.06
3812 (A)	765799	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.18
3817 (A)	765800	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.21
3818 (A)	765801	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.33
3821 (A)	765802	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.32
3828 (A)	765803	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.12
3831 (A)	765804	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.26
3832 (A)	765805	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.37
3833 (A)	765806	2/10/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.87

Total # of Loads: 28 **Total Tons: 704.78**

Grand Total (Tons): 704.78
Grand Total (Loads): 28

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/11/2011 to 02/11/2011**
PRINTED ON (DATE): **Monday, February 14, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
3871 (A)	765807	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.62
3872 (A)	765808	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.74
3875 (A)	765809	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	27.22
3877 (A)	765810	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.83
3882 (A)	765811	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.04
3884 (A)	765812	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	21.34
3888 (A)	765813	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	28.76
3889 (A)	765814	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	28.49
3895 (A)	765815	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.27
3902 (A)	765816	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	26.13
3905 (A)	765817	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.67
3906 (A)	765818	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	23.93
3915 (A)	765819	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	23.87
3916 (A)	765820	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.60
3919 (A)	765821	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	30.24
3922 (A)	765822	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.58
3925 (A)	765823	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.08
3931 (A)	765824	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	27.11
3932 (A)	765825	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.59
3933 (A)	765826	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.77
3939 (A)	765827	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.28
3940 (A)	765828	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.45
3942 (A)	765829	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.23
3943 (A)	765830	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.17
3944 (A)	765831	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.14
3949 (A)	765832	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.14
3951 (A)	765834	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.38
3953 (A)	765833	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.11
3956 (A)	765835	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.55
3958 (A)	765836	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	29.07
3960 (A)	765837	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	27.31
3962 (A)	765838	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.68
3965 (A)	765839	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.88
3966 (A)	765840	2/11/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.01

Total # of Loads: 34 **Total Tons: 860.28**

Grand Total (Tons): 860.28
Grand Total (Loads): 34

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/14/2011 to 02/14/2011**
PRINTED ON (DATE): **Tuesday, February 15, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4001 (A)	765841	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	22.87
4002 (A)	765844	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.37
4003 (A)	765842	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	22.68
4005 (A)	765843	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.01
4007 (A)	765845	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.92
4013 (A)	765846	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.44
4015 (A)	765847	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.10
4016 (A)	765848	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.66
4031 (A)	765849	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.05
4036 (A)	765850	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.65
4040 (A)	765851	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.48
4042 (A)	765852	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.41
4044 (A)	765853	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.83
4051 (A)	765854	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.18
4053 (A)	765855	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.49
4060 (A)	765856	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.74
4065 (A)	765857	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.40
4067 (A)	765858	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.34
4070 (A)	765859	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.66
4073 (A)	765860	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.82
4081 (A)	765861	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.38
4091 (A)	765862	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.72
4092 (A)	765863	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	27.26
4095 (A)	765864	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.83
4098 (A)	765865	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.53
4100 (A)	765866	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.48
4106 (A)	765867	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.05
4112 (A)	765868	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.75
4114 (A)	765869	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.41
4116 (A)	765870	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.34
4119 (A)	765871	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.58
4120 (A)	765872	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.03
4122 (A)	765873	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.80
4124 (A)	765874	2/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.69

Total # of Loads: 34 **Total Tons: 831.95**

Grand Total (Tons): 831.95
Grand Total (Loads): 34

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/15/2011 to 02/15/2011**
PRINTED ON (DATE): **Wednesday, February 16, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4153 (A)	765875	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.52
4158 (A)	765876	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	21.77
4159 (A)	765877	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.66
4161 (A)	765878	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.11
4164 (A)	765879	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.67
4167 (A)	765880	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.90
4168 (A)	765882	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.82
4170 (A)	765883	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.94
4171 (A)	765881	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.48
4186 (A)	765884	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	28.11
4189 (A)	765885	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.06
4193 (A)	765886	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.72
4195 (A)	765887	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.56
4200 (A)	765888	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.86
4201 (A)	765889	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	27.20
4204 (A)	765890	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	26.69
4207 (A)	765891	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.93
4218 (A)	765892	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.61
4223 (A)	765893	2/15/2011	MI10-0266	Oakdale Soil Waste	3A	MM19	855	23.73
4226 (A)	765894	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	23.82
4227 (A)	765895	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.49
4230 (A)	765896	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.25
4233 (A)	765897	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.30
4236 (A)	765898	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.10
4237 (A)	765899	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.44
4240 (A)	765900	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.27
4255 (A)	765901	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.94
4256 (A)	765902	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.60
4257 (A)	765903	2/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.43

Total # of Loads: 29 **Total Tons: 721.98**

Grand Total (Tons): 721.98
Grand Total (Loads): 29

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/16/2011 to 02/16/2011**
PRINTED ON (DATE): **Thursday, February 17, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4290 (A)	765904	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.54
4293 (A)	765905	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	26.60
4294 (A)	765906	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.81
4295 (A)	765907	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.98
4297 (A)	765908	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	26.13
4298 (A)	765909	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.06
4301 (A)	765910	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	28.90
4307 (A)	765911	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.16
4310 (A)	765912	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	27.81
4327 (A)	765913	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	26.48
4328 (A)	765914	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	29.12
4330 (A)	765915	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.82
4332 (A)	765916	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	23.58
4334 (A)	765917	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.32
4335 (A)	765918	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.75
4337 (A)	765919	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.93
4338 (A)	765920	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.08
4340 (A)	765921	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.80
4343 (A)	765922	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.70
4354 (A)	765923	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.86
4360 (A)	765924	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.83
4361 (A)	765925	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.44
4364 (A)	765926	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.74
4365 (A)	765927	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.99
4369 (A)	765928	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.33
4372 (A)	765930	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.79
4373 (A)	765929	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.28
4374 (A)	765931	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	27.50
4375 (A)	765932	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.73
4382 (A)	765933	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.74
4385 (A)	765934	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.00
4387 (A)	765935	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	20.01
4390 (A)	765936	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.48
4392 (A)	765937	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	25.13
4397 (A)	765938	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	22.35
4398 (A)	765939	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.67
4399 (A)	765940	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.43
4401 (A)	765941	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.34
4402 (A)	765942	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	26.71
4403 (A)	765943	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.99
4409 (A)	765944	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.50
4411 (A)	765945	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.21
4412 (A)	765946	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.42
4413 (A)	765947	2/16/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.17

Total # of Loads: 44 **Total Tons: 1,082.21**

Grand Total (Tons): 1,082.21
Grand Total (Loads): 44

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/17/2011 to 02/17/2011**
PRINTED ON (DATE): **Friday, February 18, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4446 (A)	765949	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	20.91
4448 (A)	765950	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	19.78
4452 (A)	765951	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	21.72
4457 (A)	765952	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	22.54
4458 (A)	765953	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	21.45
4467 (A)	765954	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.80
4469 (A)	765955	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	20.52
4476 (A)	765956	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.36
4481 (A)	765957	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.81
4493 (A)	765958	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	20.95
4501 (A)	765959	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.24
4503 (A)	765960	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.22
4505 (A)	765961	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.80
4508 (A)	765962	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	21.90
4514 (A)	765963	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.18
4515 (A)	765964	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.60
4521 (A)	765965	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.46
4529 (A)	765966	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.61
4541 (A)	765967	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.28
4542 (A)	765968	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.13
4549 (A)	765969	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.06
4551 (A)	765970	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.85
4562 (A)	765971	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.50
4565 (A)	765972	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.05
4569 (A)	765973	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.74
4574 (A)	765974	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.04
4581 (A)	765975	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.87
4584 (A)	765976	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.27
4586 (A)	765977	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.18
4587 (A)	765978	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	21.72
4588 (A)	765979	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	23.22
4589 (A)	765980	2/17/2011	MI10-0266	Oakdale Soil Waste	3M	W11	870	24.33

Total # of Loads: 32 **Total Tons: 745.09**

Grand Total (Tons): 745.09
Grand Total (Loads): 32

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/18/2011 to 02/18/2011**
PRINTED ON (DATE): **Tuesday, February 22, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4613 (A)	765981	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.50
4615 (A)	765982	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	21.47
4618 (A)	765983	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.36
4619 (A)	765984	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.41
4623 (A)	765985	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.23
4626 (A)	765986	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.02
4630 (A)	765987	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.32
4631 (A)	765988	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.54
4633 (A)	765989	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.96
4637 (A)	765990	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.37
4643 (A)	765991	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.94
4644 (A)	765992	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.07
4646 (A)	765993	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.81
4650 (A)	765994	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.02
4653 (A)	765995	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.82
4656 (A)	765997	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	23.30
4657 (A)	765998	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.69
4658 (A)	765996	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.00
4662 (A)	765999	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	25.76
4663 (A)	766000	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	22.35
4668 (A)	766001	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.21
4670 (A)	766002	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.73
4676 (A)	766003	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.52
4677 (A)	766004	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.51
4680 (A)	766005	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.93
4681 (A)	766006	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.33
4685 (A)	766007	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.89
4689 (A)	766008	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.05
4690 (A)	766009	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.35
4692 (A)	766010	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.51
4695 (A)	766011	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.17
4698 (A)	766012	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	21.75
4700 (A)	766013	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	W12	870	24.56
4704 (A)	766014	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.25
4705 (A)	766015	2/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.49

Total # of Loads: 35 **Total Tons: 839.19**

Grand Total (Tons): 839.19
Grand Total (Loads): 35

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/23/2011 to 02/23/2011**
PRINTED ON (DATE): **Thursday, February 24, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
4965 (A)	766016	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	19.95
4969 (A)	766017	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.40
4981 (A)	766018	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.67
4982 (A)	766019	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.32
4983 (A)	766020	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.24
4985 (A)	766021	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.23
4989 (A)	766022	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.06
5012 (A)	766023	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.40
5014 (A)	766024	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.63
5029 (A)	766025	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.90
5033 (A)	766026	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.48
5034 (A)	766027	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.59
5036 (A)	766028	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.93
5043 (A)	766029	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.23
5054 (A)	766030	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.87
5057 (A)	766031	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.94
5073 (A)	766032	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.53
5075 (A)	766033	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.13
5078 (A)	766034	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.45
5084 (A)	766035	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	26.75
5086 (A)	766036	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.42
5087 (A)	766037	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	29.21
5089 (A)	766038	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.60
5091 (A)	766039	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	28.64
5096 (A)	766040	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.03
5120 (A)	766041	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.76
5121 (A)	766042	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.98
5122 (A)	766043	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.85
5124 (A)	766044	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.40
5127 (A)	766045	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.76
5130 (A)	766046	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.69
5131 (A)	766047	2/23/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.08

Total # of Loads: 32 **Total Tons: 781.12**

Grand Total (Tons): 781.12
Grand Total (Loads): 32

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/24/2011 to 02/24/2011**
PRINTED ON (DATE): **Thursday, February 24, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
5171 (A)	766048	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.18
5172 (A)	766049	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.44
5179 (A)	766050	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	25.15
5180 (A)	766051	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.46
5190 (A)	766052	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.10
5192 (A)	766053	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.25
5197 (A)	766054	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.55
5207 (A)	766055	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.49
5209 (A)	766056	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.65
5218 (A)	766057	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	27.84
5226 (A)	766058	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.96
5233 (A)	766059	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.50
5236 (A)	766060	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.91
5249 (A)	766061	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.51
5254 (A)	766062	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.83
5256 (A)	766063	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.25
5261 (A)	766065	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	26.87
5265 (A)	766064	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.19
5266 (A)	766066	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	26.37
5273 (A)	766067	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.80
5283 (A)	766068	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.41
5284 (A)	766069	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.83
5295 (A)	766070	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.08
5298 (A)	766071	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	26.08
5299 (A)	766072	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.66
5305 (A)	766073	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.05
5311 (A)	766074	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.60
5313 (A)	766075	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.22
5314 (A)	766076	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.20
5318 (A)	766077	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.68
5319 (A)	766078	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.83
5332 (A)	766079	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.19
5337 (A)	766080	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	25.80
5340 (A)	766081	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.35
5341 (A)	766082	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.38
5345 (A)	766083	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.67
5346 (A)	766084	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	21.51
5348 (A)	766085	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.10
5350 (A)	766086	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.85
5351 (A)	766087	2/24/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.23

Total # of Loads: 40 **Total Tons: 971.02**

Grand Total (Tons): 971.02
Grand Total (Loads): 40

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/25/2011 to 02/25/2011**
PRINTED ON (DATE): **Monday, February 28, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
5381 (A)	766088	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.56
5385 (A)	766089	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.97
5386 (A)	766090	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.89
5390 (A)	766091	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.53
5398 (A)	766093	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.30
5399 (A)	766094	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.39
5400 (A)	766092	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.57
5401 (A)	766095	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.91
5402 (A)	766096	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.64
5413 (A)	766097	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.50
5416 (A)	766098	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.42
5417 (A)	766099	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.17
5423 (A)	766100	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.41
5430 (A)	766101	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	25.87
5431 (A)	766102	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.54
5432 (A)	766103	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	26.07
5435 (A)	766104	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.48
5444 (A)	766105	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.39
5447 (A)	766106	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.82
5450 (A)	766107	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.88
5452 (A)	766108	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.18
5456 (A)	766109	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.93
5462 (A)	766110	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.19
5465 (A)	766111	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.98
5467 (A)	766112	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.05
5473 (A)	766113	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.65
5478 (A)	766114	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.42
5486 (A)	766115	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	25.12
5491 (A)	766116	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.48
5494 (A)	766117	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.60
5501 (A)	766118	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.83
5507 (A)	766119	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.51
5510 (A)	766120	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.83
5516 (A)	766121	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.21
5525 (A)	766122	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.97
5527 (A)	766123	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.38
5530 (A)	766124	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.15
5534 (A)	766125	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.67
5539 (A)	766126	2/25/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.50

Total # of Loads: 39 **Total Tons: 930.96**

Grand Total (Tons): 930.96
Grand Total (Loads): 39

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **02/28/2011 to 02/28/2011**
PRINTED ON (DATE): **Tuesday, March 01, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
5578 (A)	766127	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	875	22.26
5583 (A)	766128	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	875	23.57
5588 (A)	766129	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	875	22.18
5589 (A)	766130	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	875	23.76
5594 (A)	766131	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	875	22.21
5596 (A)	766132	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	875	21.88
5600 (A)	766133	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	875	20.83
5601 (A)	766134	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	875	23.56
5604 (A)	766135	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	875	22.80
5623 (A)	766137	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.31
5627 (A)	766136	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.71
5629 (A)	766138	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.45
5630 (A)	766139	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.85
5633 (A)	766140	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.17
5638 (A)	766141	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.41
5642 (A)	766142	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.62
5644 (A)	766143	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.47
5645 (A)	766144	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.88
5660 (A)	766145	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.55
5667 (A)	766146	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.96
5668 (A)	766147	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.76
5671 (A)	766148	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.99
5674 (A)	766149	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.54
5680 (A)	766150	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.47
5685 (A)	766151	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	28.10
5687 (A)	766152	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.36
5688 (A)	766153	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.50
5701 (A)	766155	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.25
5708 (A)	766156	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.74
5710 (A)	766157	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	26.38
5713 (A)	766158	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.70
5715 (A)	766154	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.13
5718 (A)	766159	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.36
5726 (A)	766160	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	26.18
5727 (A)	766161	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.63
5730 (A)	766162	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.74
5739 (A)	766163	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.01
5744 (A)	766164	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.44
5746 (A)	766165	2/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.36

Total # of Loads: 39 **Total Tons: 923.07**

Grand Total (Tons): 923.07
Grand Total (Loads): 39

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/01/2011 to 03/01/2011**
PRINTED ON (DATE): **Wednesday, March 02, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
5776 (A)	766166	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.34
5777 (A)	766167	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	25.16
5785 (A)	766168	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.23
5789 (A)	766169	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	25.83
5795 (A)	766170	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.55
5797 (A)	766171	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.30
5801 (A)	766172	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.59
5802 (A)	766173	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	28.59
5805 (A)	766174	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	20.46
5808 (A)	766175	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.65
5814 (A)	766176	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.33
5825 (A)	766177	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.42
5829 (A)	766178	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.08
5836 (A)	766180	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.11
5837 (A)	766179	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	26.62
5841 (A)	766183	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.81
5842 (A)	766181	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.22
5846 (A)	766182	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.09
5851 (A)	766184	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.51
5858 (A)	766185	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.95
5864 (A)	766186	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	22.38
5871 (A)	766187	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.08
5876 (A)	766188	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	19.21
5880 (A)	766189	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	21.30
5882 (A)	766190	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.72
5884 (A)	766191	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	18.76
5887 (A)	766192	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.60
5889 (A)	766193	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.48
5896 (A)	766194	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.47
5902 (A)	766195	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.31
5905 (A)	766196	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	22.34
5914 (A)	766197	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	26.08
5921 (A)	766198	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.20
5923 (A)	766199	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.02
5925 (A)	766200	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	20.61
5929 (A)	766201	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	20.95
5932 (A)	766202	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	19.76
5937 (A)	766203	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.13
5939 (A)	766204	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.08
5942 (A)	766205	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.19
5951 (A)	766206	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.73
5956 (A)	766207	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.70
5958 (A)	766209	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.70
5960 (A)	766208	3/1/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	22.15

Total # of Loads: 44 **Total Tons: 1,007.79**

Grand Total (Tons): 1,007.79
Grand Total (Loads): 44

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/02/2011 to 03/02/2011**
PRINTED ON (DATE): **Thursday, March 03, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
5998 (A)	766210	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.64
6000 (A)	766211	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.36
6002 (A)	766212	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.44
6004 (A)	766213	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	19.67
6008 (A)	766214	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.95
6014 (A)	766216	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.23
6020 (A)	766217	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.43
6024 (A)	766215	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	20.89
6033 (A)	766218	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	20.52
6036 (A)	766219	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	20.27
6039 (A)	766220	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.47
6040 (A)	766221	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.62
6044 (A)	766222	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.40
6047 (A)	766223	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.09
6050 (A)	766224	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	19.93
6052 (A)	766225	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.64
6058 (A)	766226	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.36
6071 (A)	766227	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.96
6076 (A)	766228	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	20.93
6077 (A)	766229	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.91
6079 (A)	766230	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.84
6081 (A)	766231	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.13
6085 (A)	766232	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	24.65
6088 (A)	766233	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	20.99
6089 (A)	766234	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.51
6093 (A)	766235	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	24.55
6106 (A)	766236	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.30
6111 (A)	766237	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.72
6113 (A)	766238	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	24.08
6115 (A)	766239	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	24.59
6116 (A)	766240	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	22.28
6119 (A)	766241	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	25.40
6123 (A)	766242	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	22.56
6124 (A)	766243	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	22.72
6137 (A)	766244	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	22.16
6142 (A)	766245	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.35
6143 (A)	766246	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	24.94
6145 (A)	766247	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	24.81
6146 (A)	766248	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.25
6147 (A)	766249	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	24.25
6148 (A)	766250	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.61
6150 (A)	766251	3/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.17

Total # of Loads: 42 **Total Tons: 961.57**

Grand Total (Tons): 961.57
Grand Total (Loads): 42

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/03/2011 to 03/03/2011**
PRINTED ON (DATE): **Friday, March 04, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
6168 (A)	766252	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.55
6170 (A)	766253	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.90
6175 (A)	766254	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.84
6179 (A)	766255	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.74
6180 (A)	766256	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.53
6182 (A)	766257	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.93
6183 (A)	766258	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.94
6187 (A)	766259	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.01
6188 (A)	766260	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.80
6202 (A)	766261	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.93
6204 (A)	766262	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.90
6207 (A)	766263	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.08
6209 (A)	766264	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.82
6215 (A)	766265	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.38
6216 (A)	766266	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.52
6218 (A)	766267	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.01
6222 (A)	766268	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.53
6225 (A)	766269	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.40
6232 (A)	766270	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.10
6234 (A)	766271	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.44
6237 (A)	766272	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	21.11
6240 (A)	766273	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.58
6244 (A)	766274	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.02
6246 (A)	766275	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	21.53
6248 (A)	766276	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.74
6250 (A)	766277	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.63
6252 (A)	766278	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.16
6258 (A)	766279	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	24.51
6259 (A)	766280	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	25.63
6266 (A)	766281	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.49
6268 (A)	766282	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	23.02
6272 (A)	766283	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	23.50
6274 (A)	766284	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	23.95
6275 (A)	766285	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.94
6278 (A)	766286	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	25.80
6279 (A)	766287	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	21.86
6282 (A)	766288	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	21.64
6283 (A)	766289	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.12
6286 (A)	766290	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	20.12
6287 (A)	766291	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	21.76
6291 (A)	766292	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	20.81
6292 (A)	766293	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.10
6293 (A)	766294	3/3/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	20.84

Total # of Loads: 43 **Total Tons: 993.21**

Grand Total (Tons): 993.21
Grand Total (Loads): 43

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/04/2011 to 03/04/2011**
PRINTED ON (DATE): **Monday, March 07, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
6323 (A)	766295	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.96
6324 (A)	766296	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.62
6328 (A)	766297	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.03
6329 (A)	766298	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	19.96
6332 (A)	766299	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.48
6335 (A)	766300	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.03
6336 (A)	781301	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.64
6338 (A)	781302	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	28.89
6341 (A)	781303	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.75
6346 (A)	781304	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.06
6348 (A)	781305	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.03
6350 (A)	781306	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.11
6353 (A)	781307	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	20.08
6356 (A)	781308	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.36
6361 (A)	781309	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.17
6363 (A)	781310	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.36
6364 (A)	781311	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.16
6366 (A)	781312	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.58
6369 (A)	781313	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	ZZ12	870	25.91
6371 (A)	781314	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	ZZ12	870	23.89
6373 (A)	781315	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	19.70
6374 (A)	781316	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.87
6377 (A)	781317	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	25.06
6383 (A)	781318	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	22.40
6385 (A)	781319	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.55
6386 (A)	781320	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	25.02
6387 (A)	781321	3/4/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	20.94

Total # of Loads: 27 **Total Tons: 621.61**

Grand Total (Tons): 621.61
Grand Total (Loads): 27

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/09/2011 to 03/09/2011**
PRINTED ON (DATE): **Thursday, March 10, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
6687 (A)	781322	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.11
6689 (A)	781323	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.00
6691 (A)	781324	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	20.66
6693 (A)	781325	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.66
6701 (A)	781326	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.68
6703 (A)	781327	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.78
6704 (A)	781328	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.03
6707 (A)	781329	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.00
6709 (A)	781330	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.25
6717 (A)	781331	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.43
6721 (A)	781332	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.08
6723 (A)	781333	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.68
6727 (A)	781334	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.34
6733 (A)	781335	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	28.33
6734 (A)	781336	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.62
6735 (A)	781337	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.50
6736 (A)	781338	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.86
6739 (A)	781339	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.78
6744 (A)	781340	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.83
6745 (A)	781341	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.38
6749 (A)	781342	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	21.63
6751 (A)	781343	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	25.01
6756 (A)	781344	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.97
6761 (A)	781345	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.88
6764 (A)	781346	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	24.23
6766 (A)	781347	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.82
6775 (A)	781348	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	23.01
6777 (A)	781349	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.34
6781 (A)	781350	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.68
6784 (A)	781351	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.33
6785 (A)	781352	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.63
6788 (A)	781353	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	855	22.63
6793 (A)	781354	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.93
6795 (A)	781355	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.62
6796 (A)	781356	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	22.84
6804 (A)	781357	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	AA9	870	23.25
6805 (A)	781358	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	25.22
6808 (A)	781359	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.48
6811 (A)	781360	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.61
6812 (A)	781361	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.03
6813 (A)	781362	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.15
6817 (A)	781363	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.45
6818 (A)	781364	3/9/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.19

Total # of Loads: 43 **Total Tons: 993.93**

Grand Total (Tons): 993.93
Grand Total (Loads): 43

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/10/2011 to 03/10/2011**
PRINTED ON (DATE): **Friday, March 11, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
6843 (A)	781365	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.68
6845 (A)	781366	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.81
6848 (A)	781367	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.58
6849 (A)	781368	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.51
6853 (A)	781369	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.72
6856 (A)	781370	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.54
6858 (A)	781371	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.32
6860 (A)	781372	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.93
6863 (A)	781373	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.02
6865 (A)	781374	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.88
6880 (A)	781375	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.37
6881 (A)	781376	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.50
6883 (A)	781377	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.76
6885 (A)	781378	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.73
6888 (A)	781379	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.55
6892 (A)	781380	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.17
6893 (A)	781381	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.65
6896 (A)	781382	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.20
6898 (A)	781383	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	21.70
6899 (A)	781384	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.92
6908 (A)	781385	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	23.81
6912 (A)	781386	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.10
6917 (A)	781387	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	25.56
6919 (A)	781388	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.23
6920 (A)	781389	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.31
6927 (A)	781390	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	20.20
6928 (A)	781391	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.50
6930 (A)	781392	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	25.15
6932 (A)	781393	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.13
6935 (A)	781394	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.03
6940 (A)	781395	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.89
6943 (A)	781396	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	22.59
6945 (A)	781397	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA12	870	23.81
6947 (A)	781398	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.30
6959 (A)	781399	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	21.90
6961 (A)	781400	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA11	870	24.27
6962 (A)	781401	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	20.86
6963 (A)	781402	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	22.47
6966 (A)	781403	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	AA10	870	23.26
6968 (A)	781404	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	20.74
6976 (A)	781405	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	20.64
6979 (A)	781406	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.79
6982 (A)	781407	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.68
6983 (A)	781408	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.21
6986 (A)	781409	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.78
6990 (A)	781410	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	20.43
6991 (A)	781411	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.54
6992 (A)	781412	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.02
6993 (A)	781413	3/10/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.87

Total # of Loads: 49	**Total Tons: 1,128.61**

Grand Total (Tons):	**1,128.61**
Grand Total (Loads):	**49**

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/11/2011 to 03/11/2011**
PRINTED ON (DATE): **Monday, March 14, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
7018 (A)	781414	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.11
7019 (A)	781415	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.65
7020 (A)	781417	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.47
7022 (A)	781416	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.34
7023 (A)	781418	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.09
7025 (A)	781419	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.82
7028 (A)	781420	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.01
7029 (A)	781421	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.39
7032 (A)	781422	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.96
7035 (A)	781423	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	20.89
7052 (A)	781424	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.49
7054 (A)	781425	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.67
7056 (A)	781426	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.38
7058 (A)	781428	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.56
7059 (A)	781427	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.83
7061 (A)	781429	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.61
7062 (A)	781430	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	26.26
7063 (A)	781431	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	20.61
7065 (A)	781432	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.24
7066 (A)	781433	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.58
7072 (A)	781434	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.07
7075 (A)	781435	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.16
7080 (A)	781436	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.69
7081 (A)	781437	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.60
7082 (A)	781438	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.57
7085 (A)	781439	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.29
7087 (A)	781440	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.65
7088 (A)	781441	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.04
7090 (A)	781442	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.12
7091 (A)	781443	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.44
7097 (A)	781444	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.79
7099 (A)	781445	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	20.98
7100 (A)	781446	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.40
7101 (A)	781447	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.64
7104 (A)	781448	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.78
7105 (A)	781449	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.99
7106 (A)	781450	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.55
7107 (A)	781451	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.91
7108 (A)	781452	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.15
7109 (A)	781453	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.18
7111 (A)	781454	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.31
7114 (A)	781455	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.51
7115 (A)	781456	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.97
7116 (A)	781457	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.60
7117 (A)	781458	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.59
7118 (A)	781459	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.06
7119 (A)	781460	3/11/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.61

Total # of Loads: 47 **Total Tons: 1,087.61**

Grand Total (Tons):	**1,087.61**
Grand Total (Loads):	**47**

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/14/2011 to 03/14/2011**
PRINTED ON (DATE): **Tuesday, March 15, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
7143 (A)	781461	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.94
7144 (A)	781462	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.42
7146 (A)	781463	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.59
7150 (A)	781464	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.35
7152 (A)	781465	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.04
7156 (A)	781466	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.68
7158 (A)	781467	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	20.96
7161 (A)	781468	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.78
7165 (A)	781469	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.63
7166 (A)	781470	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.89
7169 (A)	781471	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.76
7175 (A)	781472	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.91
7178 (A)	781473	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.19
7183 (A)	781474	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.19
7184 (A)	781475	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.40
7186 (A)	781476	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.38
7192 (A)	781477	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.94
7195 (A)	781478	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.71
7197 (A)	781479	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	25.44
7198 (A)	781480	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.74
7200 (A)	781481	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.87
7202 (A)	781482	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.47
7205 (A)	781483	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.15
7213 (A)	781484	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.96
7216 (A)	781485	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.40
7217 (A)	781486	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.55
7224 (A)	781487	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.30
7225 (A)	781488	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.22
7226 (A)	781489	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.23
7228 (A)	781490	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.56
7229 (A)	781491	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.85
7230 (A)	781492	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.06
7231 (A)	781493	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.88
7235 (A)	781494	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.36
7238 (A)	781495	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.61
7239 (A)	781496	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.71
7245 (A)	781497	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.74
7248 (A)	781498	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.86
7251 (A)	781499	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.34
7253 (A)	781500	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	28.70
7255 (A)	781501	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	26.34
7256 (A)	781502	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	25.89
7257 (A)	781503	3/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.17

Total # of Loads: 43 **Total Tons: 1,027.16**

Grand Total (Tons): 1,027.16
Grand Total (Loads): 43

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/15/2011 to 03/15/2011**
PRINTED ON (DATE): **Wednesday, March 16, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
7285 (A)	781504	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.96
7286 (A)	781505	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.31
7289 (A)	781506	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.35
7292 (A)	781507	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.03
7295 (A)	781508	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.82
7299 (A)	781509	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.39
7301 (A)	781510	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.53
7303 (A)	781511	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.34
7304 (A)	781512	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.53
7311 (A)	781513	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.73
7314 (A)	781514	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.71
7318 (A)	781515	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.76
7319 (A)	781516	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.94
7323 (A)	781517	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.96
7325 (A)	781518	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.58
7327 (A)	781519	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.15
7329 (A)	781520	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.14
7332 (A)	781521	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.56
7337 (A)	781522	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.99
7340 (A)	781523	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.47
7342 (A)	781524	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.78
7350 (A)	781525	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.52
7354 (A)	781526	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.26
7355 (A)	781527	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.64
7357 (A)	781528	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.98
7359 (A)	781529	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	20.87
7360 (A)	781530	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.27
7363 (A)	781531	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.90
7365 (A)	781532	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.36
7366 (A)	781533	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.42
7371 (A)	781534	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.86
7375 (A)	781535	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.48
7379 (A)	781536	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.70
7382 (A)	781537	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.57
7385 (A)	781538	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.33
7388 (A)	781539	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.25
7389 (A)	781540	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.75
7392 (A)	781541	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.68
7394 (A)	781542	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.59
7395 (A)	781543	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.93
7399 (A)	781544	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.37
7401 (A)	781545	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.86
7405 (A)	781546	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.92
7409 (A)	781547	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.07
7410 (A)	781548	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.90
7411 (A)	781549	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.26
7412 (A)	781550	3/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.19

Total # of Loads: 47 **Total Tons: 1,069.96**

Grand Total (Tons):	**1,069.96**
Grand Total (Loads):	**47**

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/17/2011 to 03/17/2011**
PRINTED ON (DATE): **Friday, March 18, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
7578 (A)	781551	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.48
7579 (A)	781552	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.96
7580 (A)	781553	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.94
7581 (A)	781554	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.71
7582 (A)	781555	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	26.48
7584 (A)	781556	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.24
7587 (A)	781557	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.60
7589 (A)	781558	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.25
7590 (A)	781559	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.50
7608 (A)	781560	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.39
7609 (A)	781561	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	24.40
7614 (A)	781562	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	23.48
7615 (A)	781563	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	24.99
7617 (A)	781564	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	25.41
7620 (A)	781565	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	24.40
7621 (A)	781566	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	20.67
7622 (A)	781567	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	20.87
7626 (A)	781568	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	24.08
7628 (A)	781569	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	27.37
7641 (A)	781570	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	22.69
7643 (A)	781571	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.74
7647 (A)	781572	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.43
7652 (A)	781573	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.77
7653 (A)	781574	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.30
7655 (A)	781575	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.05
7659 (A)	781576	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.10
7660 (A)	781577	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	20.33
7662 (A)	781578	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	22.42
7664 (A)	781579	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	23.46
7670 (A)	781580	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	22.48
7671 (A)	781581	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	24.13
7676 (A)	781582	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	23.34
7678 (A)	781583	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	24.32
7679 (A)	781584	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	23.00
7680 (A)	781585	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	22.11
7681 (A)	781586	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	23.46
7684 (A)	781587	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	20.40
7685 (A)	781588	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	18.96
7686 (A)	781589	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	19.34
7688 (A)	781590	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.17
7691 (A)	781591	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.98
7694 (A)	781592	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.76
7699 (A)	781593	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.77
7700 (A)	781594	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.25
7702 (A)	781595	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Y13	870	24.91
7704 (A)	781596	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.36
7706 (A)	781597	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.44
7707 (A)	781598	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	23.08
7709 (A)	781599	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	27.41
7710 (A)	781600	3/17/2011	MI10-0266	Oakdale Soil Waste	3M	Z13	870	20.82

Total # of Loads: 50	**Total Tons: 1,155.00**

Grand Total (Tons):	**1,155.00**
Grand Total (Loads):	**50**

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/28/2011 to 03/28/2011**
PRINTED ON (DATE): **Tuesday, March 29, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
8383 (A)	781601	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	20.21
8385 (A)	781603	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	25.28
8387 (A)	781602	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.97
8389 (A)	781604	3/28/2011	MI10-0266	Oakdale Soil Waste				22.95
8391 (A)	781605	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.08
8394 (A)	781606	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	26.63
8397 (A)	781607	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.31
8410 (A)	781608	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.40
8412 (A)	781609	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	19.61
8418 (A)	781610	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.59
8422 (A)	781611	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.16
8427 (A)	781612	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	26.91
8437 (A)	781613	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.43
8441 (A)	781614	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.94
8443 (A)	781615	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.63
8454 (A)	781616	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.28
8455 (A)	781617	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.63
8458 (A)	781618	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.06
8461 (A)	781619	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.62
8462 (A)	781620	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.18
8470 (A)	781621	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.50
8473 (A)	781622	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.86
8474 (A)	781623	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	18.81
8475 (A)	781624	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.19
8484 (A)	781625	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	20.55
8486 (A)	781626	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.50
8491 (A)	781627	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.57
8493 (A)	781628	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	19.76
8496 (A)	781629	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	21.15
8498 (A)	781630	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.75
8501 (A)	781631	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.19
8503 (A)	781632	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	18.90
8507 (A)	781633	3/28/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.86

Total # of Loads: 33 **Total Tons: 761.46**

Grand Total (Tons): 761.46
Grand Total (Loads): 33

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/29/2011 to 03/29/2011**
PRINTED ON (DATE): **Wednesday, March 30, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
8536 (A)	781634	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X12	895	21.43
8538 (A)	781635	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X12	895	22.15
8541 (A)	781636	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X12	895	21.89
8544 (A)	781637	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X12	895	22.12
8545 (A)	781638	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X12	895	24.51
8547 (A)	781639	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	895	22.99
8550 (A)	781640	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	895	22.73
8551 (A)	781641	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	895	21.78
8569 (A)	781642	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	895	22.00
8570 (A)	781643	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	895	23.87
8572 (A)	781644	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	895	23.97
8574 (A)	781645	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	895	22.50
8577 (A)	781646	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	895	24.51
8583 (A)	781647	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	895	24.02
8588 (A)	781648	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	895	22.85
8589 (A)	781649	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	895	19.98
8596 (A)	781650	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.64
8601 (A)	781651	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.94
8604 (A)	781652	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.48
8607 (A)	781653	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.46
8609 (A)	781654	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.28
8610 (A)	781655	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.79
8613 (A)	781656	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.05
8614 (A)	781657	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	21.45
8617 (A)	781658	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.46
8626 (A)	781659	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	26.11
8628 (A)	781660	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.96
8629 (A)	781661	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.28
8632 (A)	781662	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.03
8635 (A)	781663	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.28
8641 (A)	781664	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	26.92
8642 (A)	781665	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.79
8651 (A)	781666	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.70
8653 (A)	781667	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.63
8657 (A)	781668	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	21.22
8660 (A)	781669	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.35
8664 (A)	781670	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.17
8665 (A)	781671	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.00
8666 (A)	781672	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.55
8672 (A)	781673	3/29/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	27.48

Total # of Loads: 40 **Total Tons: 935.32**

Grand Total (Tons): 935.32
Grand Total (Loads): 40

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/30/2011 to 03/30/2011**
PRINTED ON (DATE): **Thursday, March 31, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
8701 (A)	781675	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.90
8703 (A)	781676	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.05
8704 (A)	781678	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.86
8706 (A)	781677	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.28
8707 (A)	781679	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.66
8708 (A)	781680	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.19
8711 (A)	781681	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.91
8715 (A)	781682	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.38
8723 (A)	781683	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.26
8729 (A)	781684	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.45
8733 (A)	781685	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.25
8735 (A)	781686	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.12
8740 (A)	781687	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.19
8742 (A)	781688	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.56
8745 (A)	781689	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.41
8747 (A)	781690	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.12
8749 (A)	781691	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.98
8752 (A)	781692	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.42
8754 (A)	781693	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.55
8756 (A)	781694	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.30
8758 (A)	781695	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	25.12
8762 (A)	781696	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.34
8770 (A)	781697	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.67
8771 (A)	781698	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.54
8773 (A)	781699	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.08
8777 (A)	781700	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.03
8779 (A)	781701	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.68
8785 (A)	781702	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.28
8792 (A)	781704	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.72
8794 (A)	781705	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.20
8797 (A)	781703	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.11
8798 (A)	781706	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.05
8801 (A)	781708	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.51
8803 (A)	781709	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.43
8805 (A)	781707	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.96
8807 (A)	781710	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.47
8809 (A)	781711	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.27
8818 (A)	781712	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.62
8819 (A)	781713	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.45
8820 (A)	781715	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	17.85
8821 (A)	781714	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	21.27
8822 (A)	781716	3/30/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.27

Total # of Loads: 42 **Total Tons: 956.76**

Grand Total (Tons): 956.76
Grand Total (Loads): 42

SKB ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **03/31/2011 to 03/31/2011**
PRINTED ON (DATE): **Friday, April 01, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
8871 (A)	781717	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.21
8872 (A)	781718	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.97
8876 (A)	781719	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.12
8877 (A)	781720	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.79
8879 (A)	781721	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.11
8883 (A)	781722	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	19.31
8885 (A)	781723	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.21
8891 (A)	781725	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	25.43
8893 (A)	781726	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	25.25
8912 (A)	781724	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	20.03
8920 (A)	781727	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.06
8925 (A)	781728	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.86
8929 (A)	781729	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.86
8931 (A)	781730	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.00
8947 (A)	781731	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.95
8948 (A)	781732	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.03
8949 (A)	781733	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.63
8958 (A)	781734	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.07
8961 (A)	781735	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.23
8969 (A)	781736	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.15
8971 (A)	781737	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.49
8982 (A)	781738	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.17
8984 (A)	781739	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.11
8986 (A)	781740	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.22
8994 (A)	781741	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.44
8997 (A)	781742	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.61
9000 (A)	781743	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	20.78
9011 (A)	781744	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	21.87
9020 (A)	781745	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.01
9033 (A)	781746	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.22
9034 (A)	781747	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.17
9040 (A)	781748	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.68
9042 (A)	781749	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.19
9049 (A)	781750	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.08
9055 (A)	781751	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.59
9057 (A)	781752	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	24.62
9060 (A)	781753	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.58
9067 (A)	781754	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.72
9071 (A)	781755	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.71
9079 (A)	781756	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.02
9086 (A)	781757	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.89
9088 (A)	781758	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.47
9091 (A)	781759	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.62
9104 (A)	781760	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.91
9105 (A)	781761	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	21.91
9107 (A)	781762	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	21.51
9108 (A)	781763	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.26
9109 (A)	781764	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.44
9110 (A)	781765	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.15
9111 (A)	781766	3/31/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.35

Total # of Loads: 50	**Total Tons: 1,150.06**

Grand Total (Tons):	**1,150.06**
Grand Total (Loads):	**50**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/01/2011 to 04/01/2011**
PRINTED ON (DATE): **Monday, April 04, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
9161 (A)	781767	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.90
9162 (A)	781768	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.04
9163 (A)	781769	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.80
9166 (A)	781770	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	20.47
9168 (A)	781771	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.09
9173 (A)	781772	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.96
9177 (A)	781773	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.96
9178 (A)	781774	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	21.34
9185 (A)	781775	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.63
9190 (A)	781776	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.08
9213 (A)	781777	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.24
9218 (A)	781778	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.61
9220 (A)	781779	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.92
9226 (A)	781780	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.00
9228 (A)	781781	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.69
9238 (A)	781782	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.14
9250 (A)	781783	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	25.49
9252 (A)	781784	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.08
9261 (A)	781785	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	22.17
9263 (A)	781786	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.14
9271 (A)	781787	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.33
9278 (A)	781788	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.70
9281 (A)	781789	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.09
9285 (A)	781790	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.41
9291 (A)	781791	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.60
9302 (A)	781792	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.52
9307 (A)	781793	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.68
9312 (A)	781794	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.01
9319 (A)	781795	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	20.50
9324 (A)	781796	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	21.98
9337 (A)	781797	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.81
9338 (A)	781798	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.87
9346 (A)	781799	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.68
9350 (A)	781800	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.59
9356 (A)	781801	4/1/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.04

Total # of Loads: 35 **Total Tons: 805.56**

Grand Total (Tons): 805.56
Grand Total (Loads): 35

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/04/2011 to 04/04/2011**
PRINTED ON (DATE): **Tuesday, April 05, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
9433 (A)	781802	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.04
9434 (A)	781803	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	20.41
9438 (A)	781804	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.66
9443 (A)	781805	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.20
9445 (A)	781806	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	20.61
9448 (A)	781807	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.85
9450 (A)	781808	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.15
9452 (A)	781809	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.12
9459 (A)	781810	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	25.10
9477 (A)	781811	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.76
9480 (A)	781812	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.47
9483 (A)	781813	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.24
9484 (A)	781814	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.45
9491 (A)	781815	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	21.04
9493 (A)	781816	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.42
9495 (A)	781817	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.84
9497 (A)	781818	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.50
9500 (A)	781819	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.83
9505 (A)	781820	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.56
9518 (A)	781821	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.54
9521 (A)	781822	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.10
9523 (A)	781823	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.56
9525 (A)	781824	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.44
9530 (A)	781825	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.79
9532 (A)	781826	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.73
9534 (A)	781827	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.36
9548 (A)	781828	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.72
9549 (A)	781829	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	19.65
9552 (A)	781830	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.22
9558 (A)	781831	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.24
9560 (A)	781832	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.40
9561 (A)	781833	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	21.93
9564 (A)	781834	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.16
9574 (A)	781835	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.21
9575 (A)	781836	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.60
9582 (A)	781837	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	20.28
9583 (A)	781838	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.10
9586 (A)	781839	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.98
9596 (A)	781840	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.09
9599 (A)	781841	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	21.64
9603 (A)	781842	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.48
9605 (A)	781843	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.46
9607 (A)	781844	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	22.64
9608 (A)	781845	4/4/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.23

Total # of Loads: 44 **Total Tons: 1,004.80**

Grand Total (Tons): 1,004.80
Grand Total (Loads): 44

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/05/2011 to 04/05/2011**
PRINTED ON (DATE): **Thursday, April 07, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
9636 (A)	781846	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	21.64
9638 (A)	781847	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	21.64
9639 (A)	781848	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	22.76
9640 (A)	781850	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	21.55
9645 (A)	781849	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.25
9647 (A)	781851	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.10
9650 (A)	781853	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.07
9651 (A)	781852	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.16
9652 (A)	781854	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	24.36
9655 (A)	781855	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	22.73
9673 (A)	781856	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.00
9674 (A)	781857	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.06
9676 (A)	781858	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.05
9679 (A)	781859	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	26.34
9685 (A)	781860	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	22.19
9686 (A)	781861	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.42
9688 (A)	781862	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.25
9691 (A)	781863	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.18
9692 (A)	781864	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.98
9696 (A)	781865	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.56
9701 (A)	781866	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.39
9704 (A)	781867	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.80
9707 (A)	781868	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.98
9712 (A)	781869	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.37
9713 (A)	781870	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	20.72
9714 (A)	781871	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.00
9717 (A)	781872	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.30
9718 (A)	781873	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.40
9725 (A)	781874	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.84
9726 (A)	781875	4/5/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	21.77

Total # of Loads: 30 **Total Tons: 690.86**

Grand Total (Tons): 690.86
Grand Total (Loads): 30

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/13/2011 to 04/13/2011**
PRINTED ON (DATE): **Friday, April 15, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
10393 (A)	781877	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.08
10394 (A)	781878	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.79
10396 (A)	781879	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.37
10398 (A)	781880	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.34
10401 (A)	781881	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.40
10402 (A)	781882	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.67
10405 (A)	781883	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.97
10416 (A)	781884	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.57
10417 (A)	781885	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.34
10430 (A)	781886	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.95
10433 (A)	781887	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.55
10437 (A)	781888	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.77
10439 (A)	781889	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.28
10440 (A)	781890	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.47
10445 (A)	781891	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.73
10449 (A)	781892	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.39
10451 (A)	781893	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.07
10452 (A)	781894	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	20.12
10460 (A)	781895	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.88
10462 (A)	781896	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.84
10468 (A)	781897	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.57
10471 (A)	781898	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.18
10472 (A)	781899	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.18
10475 (A)	781900	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.67
10477 (A)	781901	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.63
10480 (A)	781902	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.64
10481 (A)	781903	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.84
10486 (A)	781904	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.51
10487 (A)	781905	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.50
10497 (A)	781906	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.82
10500 (A)	781907	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.98
10502 (A)	781908	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.29
10504 (A)	781909	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.36
10506 (A)	781910	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.75
10508 (A)	781911	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.02
10510 (A)	781912	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.26
10524 (A)	781913	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	19.37
10526 (A)	781914	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.67
10529 (A)	781915	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.35
10531 (A)	781916	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.42
10534 (A)	781917	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.42
10538 (A)	781918	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.29
10539 (A)	781919	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.38
10541 (A)	781920	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.24
10542 (A)	781921	4/13/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.55

Total # of Loads: 45 **Total Tons: 1,026.47**

Grand Total (Tons): 1,026.47
Grand Total (Loads): 45

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/14/2011 to 04/14/2011**
PRINTED ON (DATE): **Tuesday, April 19, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
10565 (A)	781922	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.32
10567 (A)	781923	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.88
10569 (A)	781924	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.48
10570 (A)	781925	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	26.50
10573 (A)	781926	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.99
10574 (A)	781927	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.87
10575 (A)	781928	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	20.59
10579 (A)	781929	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.19
10583 (A)	781930	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.86
10586 (A)	781931	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.23
10596 (A)	781932	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.09
10597 (A)	781933	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.72
10598 (A)	781934	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.90
10602 (A)	781935	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.45
10603 (A)	781936	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.29
10604 (A)	781937	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.86
10605 (A)	781938	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.47
10607 (A)	781939	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.17
10612 (A)	781940	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.45
10614 (A)	781941	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.05
10620 (A)	781942	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.77
10622 (A)	781943	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.14
10624 (A)	781944	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.23
10625 (A)	781945	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.46
10626 (A)	781946	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.78
10627 (A)	781947	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.71
10629 (A)	781948	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.67
10634 (A)	781949	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.46
10635 (A)	781950	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.04
10638 (A)	781951	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.57
10642 (A)	781952	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.90
10646 (A)	781953	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.00
10647 (A)	781954	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.78
10649 (A)	781955	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.75
10650 (A)	781956	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	25.02
10651 (A)	781957	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.86
10652 (A)	781958	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.82
10655 (A)	781959	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.13
10656 (A)	781960	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.20
10659 (A)	781961	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.16
10661 (A)	781962	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.04
10665 (A)	781963	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.37
10667 (A)	781964	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.66
10669 (A)	781965	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.47
10671 (A)	781966	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	26.55
10672 (A)	781967	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.18
10678 (A)	781968	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.76
10680 (A)	781969	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.30
10681 (A)	781970	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.73
10682 (A)	781971	4/14/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.29

Total # of Loads: 50	**Total Tons: 1,156.16**

Grand Total (Tons):	**1,156.16**
Grand Total (Loads):	**50**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/15/2011 to 04/15/2011**
PRINTED ON (DATE): **Tuesday, April 19, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
10702 (A)	781972	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.07
10703 (A)	781973	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.75
10705 (A)	781974	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.07
10707 (A)	781975	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	20.82
10709 (A)	781976	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	24.73
10710 (A)	781977	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.48
10711 (A)	781978	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	20.94
10712 (A)	781979	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.62
10714 (A)	781980	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.75
10716 (A)	781981	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.36
10719 (A)	781982	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.42
10721 (A)	781983	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.21
10724 (A)	781984	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.12
10728 (A)	781985	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.19
10729 (A)	781986	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.58
10730 (A)	781987	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.19
10731 (A)	781988	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.26
10734 (A)	781989	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.11
10736 (A)	781990	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.63
10738 (A)	781991	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.90
10739 (A)	781992	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.16
10741 (A)	781993	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.91
10742 (A)	781994	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.02
10745 (A)	781995	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	24.50
10748 (A)	781996	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.29
10749 (A)	781997	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.55
10750 (A)	781998	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.31
10753 (A)	781999	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.55
10755 (A)	782000	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	24.62
10756 (A)	782001	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.19
10758 (A)	782002	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.58
10759 (A)	782003	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.66
10762 (A)	782004	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.40
10767 (A)	782005	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.27
10768 (A)	782006	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.39
10769 (A)	782007	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.46
10770 (A)	782008	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.70
10771 (A)	782009	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.21
10772 (A)	782010	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.08
10773 (A)	782011	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.91
10774 (A)	782012	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.27
10776 (A)	782013	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.55
10778 (A)	782014	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	21.24
10781 (A)	782015	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	23.19
10783 (A)	782016	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.07
10784 (A)	782017	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.09
10785 (A)	782018	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.91
10786 (A)	782019	4/15/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.26

Total # of Loads: 48 **Total Tons: 1,099.54**

Grand Total (Tons):	**1,099.54**
Grand Total (Loads):	**48**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/18/2011 to 04/18/2011**
PRINTED ON (DATE): **Tuesday, April 19, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
10822 (A)	782020	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	22.18
10823 (A)	782021	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	23.71
10825 (A)	782022	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.64
10827 (A)	782023	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	24.39
10829 (A)	782024	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X10	870	21.18
10833 (A)	782025	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	20.20
10835 (A)	782026	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	23.62
10839 (A)	782027	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.54
10841 (A)	782028	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	24.23
10842 (A)	782029	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y10	870	22.20
10848 (A)	782030	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	24.20
10852 (A)	782031	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.86
10853 (A)	782032	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.31
10854 (A)	782033	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	23.29
10855 (A)	782034	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z10	870	25.17
10857 (A)	782035	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.71
10859 (A)	782036	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.40
10861 (A)	782037	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	23.29
10865 (A)	782038	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.41
10866 (A)	782039	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X11	870	24.05
10872 (A)	782040	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.96
10877 (A)	782041	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	25.75
10878 (A)	782042	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	20.36
10879 (A)	782043	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	22.70
10883 (A)	782044	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	23.91
10885 (A)	782045	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.97
10887 (A)	782046	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.82
10888 (A)	782047	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.97
10889 (A)	782048	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.21
10890 (A)	782049	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	22.94
10894 (A)	782050	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.02
10898 (A)	782051	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.88
10903 (A)	782052	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	25.18
10905 (A)	782053	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.92
10909 (A)	782054	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	22.68
10910 (A)	782055	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	22.74
10912 (A)	782056	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	23.60
10914 (A)	782057	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.06
10915 (A)	782058	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	25.26
10916 (A)	782059	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.94
10918 (A)	782060	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	22.07
10926 (A)	782061	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	19.30
10931 (A)	782062	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.14
10933 (A)	782063	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.67
10936 (A)	782064	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	23.54
10938 (A)	782065	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z12	870	21.23
10939 (A)	782066	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y12	870	21.96
10940 (A)	782067	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	X12	870	20.88
10941 (A)	782068	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Z11	870	23.33
10942 (A)	782069	4/18/2011	MI10-0266	Oakdale Soil Waste	3M	Y11	870	24.35

Total # of Loads: 50	**Total Tons: 1,155.92**

Grand Total (Tons):	**1,155.92**
Grand Total (Loads):	**50**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/19/2011 to 04/19/2011**
PRINTED ON (DATE): **Thursday, April 21, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
10998 (A)	782070	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.17
11003 (A)	782071	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.25
11005 (A)	782072	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.72
11008 (A)	782073	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.50
11010 (A)	782076	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.67
11011 (A)	782074	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.13
11014 (A)	782075	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.34
11019 (A)	782077	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.44
11020 (A)	782078	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	21.53
11022 (A)	782079	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.02
11040 (A)	782080	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.15
11042 (A)	782081	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.60
11044 (A)	782082	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.13
11047 (A)	782083	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.11
11051 (A)	782084	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.69
11052 (A)	782101	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.44
11060 (A)	782102	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.43
11064 (A)	782103	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.61
11070 (A)	782104	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.30
11072 (A)	782105	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.94
11080 (A)	782106	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.10
11082 (A)	782107	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.97
11085 (A)	782108	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.47
11087 (A)	782109	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.44
11092 (A)	782110	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.50
11093 (A)	782111	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	23.37
11098 (A)	782112	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.64
11102 (A)	782113	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.56
11103 (A)	782114	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.83
11107 (A)	782115	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.82
11114 (A)	782116	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.29
11118 (A)	782117	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.78
11125 (A)	782118	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.33
11127 (A)	782119	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	25.79
11130 (A)	782120	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.48
11133 (A)	782122	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	20.86
11135 (A)	782121	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.07
11143 (A)	782123	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.92
11144 (A)	782124	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.10
11148 (A)	782125	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.27
11150 (A)	782126	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.52
11151 (A)	782127	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.97
11158 (A)	782128	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	23.99
11162 (A)	782129	4/19/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.99

Total # of Loads: 44 **Total Tons: 1,037.23**

Grand Total (Tons): 1,037.23
Grand Total (Loads): 44

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/20/2011 to 04/20/2011**
PRINTED ON (DATE): **Thursday, April 21, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
11195 (A)	782085	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.38
11196 (A)	782086	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	24.38
11197 (A)	782087	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	24.05
11204 (A)	782088	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.11
11207 (A)	782089	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	24.43
11217 (A)	782090	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.14
11219 (A)	782091	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.53
11223 (A)	782092	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.95
11226 (A)	782093	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	25.08
11227 (A)	782094	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	22.58
11228 (A)	782095	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.09
11230 (A)	782096	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.93
11231 (A)	782097	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.32
11238 (A)	782099	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.49
11239 (A)	782098	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	22.81
11242 (A)	782100	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.00
11248 (A)	782130	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.91
11251 (A)	782131	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.72
11253 (A)	782132	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.93
11259 (A)	782133	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.26
11260 (A)	782134	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.28
11265 (A)	782135	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.65
11269 (A)	782136	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.36
11270 (A)	782137	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.17
11271 (A)	782138	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.94
11279 (A)	782139	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.71
11280 (A)	782140	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.98
11282 (A)	782141	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.68
11287 (A)	782142	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.63
11293 (A)	782143	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.46
11296 (A)	782144	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	23.10
11299 (A)	782145	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.57
11300 (A)	782146	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	22.54
11301 (A)	782147	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.39
11303 (A)	782148	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.36
11308 (A)	782149	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.14
11309 (A)	782150	4/20/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.08

Total # of Loads: 37 **Total Tons: 865.13**

Grand Total (Tons): 865.13
Grand Total (Loads): 37

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/26/2011 to 04/26/2011**
PRINTED ON (DATE): **Thursday, April 28, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
11656 (A)	782151	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	24.29
11658 (A)	782152	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	25.51
11659 (A)	782153	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X9	870	23.24
11660 (A)	782155	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	23.12
11662 (A)	782154	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	20.93
11663 (A)	782156	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y9	870	21.89
11664 (A)	782158	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.17
11665 (A)	782157	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	24.54
11666 (A)	782159	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z9	870	23.28
11667 (A)	782160	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.86
11675 (A)	782161	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	20.63
11677 (A)	782162	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.10
11678 (A)	782163	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	23.54
11681 (A)	782164	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	24.79
11683 (A)	782165	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y8	870	21.93
11684 (A)	782166	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	24.02
11687 (A)	782168	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.73
11688 (A)	782169	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z8	870	23.83
11693 (A)	782167	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.24
11695 (A)	782170	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.26
11696 (A)	782171	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	25.33
11697 (A)	782172	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.16
11699 (A)	782173	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.49
11701 (A)	782174	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.86
11702 (A)	782175	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.43
11704 (A)	782176	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	25.50
11705 (A)	782177	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.38
11706 (A)	782178	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.00
11709 (A)	782179	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.50
11710 (A)	782180	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.79
11714 (A)	782181	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.26
11715 (A)	782182	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	21.99
11716 (A)	782183	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.00
11717 (A)	782184	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.92
11718 (A)	782185	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	22.86
11720 (A)	782186	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	22.37
11721 (A)	782187	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.45
11723 (A)	782188	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.23
11727 (A)	782189	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.56
11728 (A)	782190	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.91
11729 (A)	782191	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.59
11730 (A)	782192	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.87
11731 (A)	782193	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.09
11732 (A)	782194	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.81
11733 (A)	782195	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.91
11734 (A)	782197	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.22
11735 (A)	782196	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.39
11736 (A)	782198	4/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.26

Total # of Loads: 48 **Total Tons: 1,139.03**

Grand Total (Tons):	**1,139.03**
Grand Total (Loads):	**48**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **04/27/2011 to 04/27/2011**
PRINTED ON (DATE): **Thursday, April 28, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
11764 (A)	782199	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.52
11766 (A)	782201	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.51
11768 (A)	782200	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.34
11770 (A)	782202	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.18
11772 (A)	782203	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.40
11774 (A)	782204	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.93
11776 (A)	782205	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.18
11779 (A)	782206	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.55
11781 (A)	782207	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.19
11786 (A)	782208	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.90
11792 (A)	782209	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.90
11793 (A)	782210	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.85
11795 (A)	782211	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	23.51
11798 (A)	782212	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.84
11800 (A)	782213	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.75
11801 (A)	782214	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	21.56
11802 (A)	782215	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.42
11803 (A)	782216	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.76
11805 (A)	782217	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.61
11808 (A)	782218	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.05
11815 (A)	782219	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.14
11817 (A)	782220	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.04
11818 (A)	782221	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.85
11819 (A)	782222	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.15
11822 (A)	782223	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.64
11823 (A)	782224	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.06
11824 (A)	782225	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.75
11826 (A)	782226	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.94
11832 (A)	782227	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	19.91
11837 (A)	782228	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.28
11843 (A)	782229	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.77
11844 (A)	782230	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.26
11845 (A)	782231	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.42
11850 (A)	782232	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.19
11851 (A)	782233	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.49
11853 (A)	782234	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.46
11854 (A)	782235	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.79
11855 (A)	782236	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.75
11860 (A)	782237	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	21.15
11862 (A)	782238	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.33
11866 (A)	782239	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.20
11867 (A)	782240	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	19.62
11868 (A)	782241	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.63
11869 (A)	782242	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	24.75
11871 (A)	782243	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	23.06
11873 (A)	782244	4/27/2011	MI10-0266	Oakdale Soil Waste	3M	Z7	870	22.16

Total # of Loads: 46 **Total Tons: 1,080.74**

Grand Total (Tons):	**1,080.74**
Grand Total (Loads):	**46**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/02/2011 to 05/02/2011**
PRINTED ON (DATE): **Wednesday, May 04, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
12030 (A)	782245	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.08
12032 (A)	782246	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	25.79
12033 (A)	782247	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.40
12035 (A)	782248	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.60
12036 (A)	782249	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.10
12037 (A)	782250	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.58
12048 (A)	782252	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	21.22
12049 (A)	782251	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.01
12055 (A)	782253	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.32
12057 (A)	782254	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.06
12058 (A)	782255	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	22.80
12059 (A)	782256	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.54
12060 (A)	782257	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.83
12062 (A)	782258	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.01
12071 (A)	782259	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z5	870	24.83
12074 (A)	782260	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	18.94
12075 (A)	782261	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	20.49
12077 (A)	782262	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.14
12078 (A)	782263	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.64
12079 (A)	782264	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.02
12081 (A)	782265	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.41
12083 (A)	782266	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.75
12085 (A)	782267	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.96
12088 (A)	782268	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.11
12097 (A)	782269	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.06
12106 (A)	782270	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	19.15
12107 (A)	782271	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	21.57
12110 (A)	782272	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	23.60
12111 (A)	782273	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	25.28
12112 (A)	782274	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	Z6	870	24.78
12113 (A)	782275	5/2/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.50

Total # of Loads: 31 **Total Tons: 729.57**

Grand Total (Tons): 729.57
Grand Total (Loads): 31

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/11/2011 to 05/11/2011**
PRINTED ON (DATE): **Friday, May 13, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
12921 (A)	782276	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.48
12922 (A)	782277	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.97
12923 (A)	782278	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.06
12924 (A)	782279	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.10
12925 (A)	782280	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	26.58
12927 (A)	782281	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.41
12928 (A)	782282	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.43
12933 (A)	782283	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	28.64
12935 (A)	782284	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	27.30
12950 (A)	782285	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.46
12951 (A)	782286	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.52
12955 (A)	782287	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.68
12957 (A)	782288	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	21.79
12959 (A)	782289	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.31
12960 (A)	782290	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.60
12965 (A)	782291	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.73
12967 (A)	782292	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.19
12969 (A)	782293	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.25
12979 (A)	782294	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.80
12981 (A)	782295	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.64
12983 (A)	782296	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.55
12988 (A)	782297	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.60
12989 (A)	782298	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.46
12994 (A)	782299	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.01
12996 (A)	782300	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.85
12999 (A)	784301	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.74
13002 (A)	784302	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.78
13013 (A)	784303	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.24
13015 (A)	784304	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.69
13016 (A)	784305	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.25
13021 (A)	784306	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.98
13022 (A)	784307	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.79
13024 (A)	784308	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.37
13026 (A)	784309	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.95
13027 (A)	784310	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	21.15
13030 (A)	784311	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.93
13038 (A)	784312	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.06
13041 (A)	784313	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.08
13047 (A)	784314	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.83
13049 (A)	784315	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.39
13053 (A)	784316	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.44
13059 (A)	784317	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.97
13062 (A)	784318	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.66
13065 (A)	784319	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	25.67
13069 (A)	784320	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.27
13070 (A)	784321	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.46
13071 (A)	784322	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.63
13072 (A)	784323	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	25.06
13073 (A)	784324	5/11/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	26.44

Total # of Loads: 49	**Total Tons: 1,188.24**

Grand Total (Tons):	**1,188.24**
Grand Total (Loads):	**49**

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/12/2011 to 05/12/2011**
PRINTED ON (DATE): **Friday, May 13, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
13098 (A)	784325	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.87
13103 (A)	784326	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.07
13108 (A)	784327	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	21.86
13111 (A)	784328	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	25.53
13113 (A)	784329	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.42
13116 (A)	784330	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	21.99
13118 (A)	784331	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.53
13121 (A)	784332	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.54
13124 (A)	784333	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.74
13126 (A)	784334	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.10
13128 (A)	784335	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.25
13132 (A)	784336	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.30
13136 (A)	784337	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.27
13145 (A)	784338	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.83
13147 (A)	784339	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.35
13148 (A)	784340	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.97
13152 (A)	784341	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.96
13153 (A)	784342	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.45
13155 (A)	784343	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.98
13162 (A)	784345	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	20.94
13166 (A)	784346	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.24
13170 (A)	784347	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.56
13175 (A)	784344	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.09
13177 (A)	784348	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	28.30
13182 (A)	784349	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.04
13185 (A)	784350	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	26.29
13187 (A)	784351	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.82
13191 (A)	784352	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.62
13192 (A)	784353	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.80
13195 (A)	784354	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.35
13198 (A)	784355	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.21
13200 (A)	784356	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.85
13202 (A)	784357	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.99
13210 (A)	784359	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.00
13211 (A)	784358	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.12
13213 (A)	784360	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	25.37
13215 (A)	784361	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.83
13217 (A)	784362	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.74
13223 (A)	784363	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.79
13224 (A)	784364	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.16
13228 (A)	784365	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	24.08
13232 (A)	784366	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	19.69
13234 (A)	784367	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	26.17
13236 (A)	784368	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.46
13240 (A)	784369	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	21.50
13241 (A)	784370	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	21.59
13242 (A)	784371	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.28
13245 (A)	784372	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.55
13250 (A)	784373	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.37
13257 (A)	784374	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.51

13258 (A)	784375	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	26.20
13259 (A)	784376	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.05
13269 (A)	784377	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.37
13271 (A)	784378	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	26.04
13274 (A)	784379	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.47
13276 (A)	784380	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.09
13277 (A)	784381	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.98
13278 (A)	784382	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.57
13284 (A)	784383	5/12/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	22.23
				Total # of Loads: 59			**Total Tons:**	**1,414.32**

Grand Total (Tons): 1,414.32
Grand Total (Loads): 59

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/18/2011 to 05/18/2011**
PRINTED ON (DATE): **Thursday, May 19, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
13856 (A)	784384	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	24.28
13857 (A)	784385	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	25.22
13860 (A)	784386	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	21.17
13862 (A)	784387	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	24.47
13865 (A)	784388	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W8	870	25.02
13866 (A)	784389	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	22.33
13868 (A)	784390	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	20.89
13869 (A)	784391	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.60
13870 (A)	784393	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	18.06
13873 (A)	784392	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.20
13882 (A)	784394	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	22.80
13883 (A)	784395	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	22.24
13887 (A)	784396	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	28.16
13888 (A)	784397	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	22.10
13889 (A)	784398	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W7	870	25.64
13892 (A)	784399	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	23.64
13893 (A)	784400	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.09
13897 (A)	784401	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.56
13898 (A)	784402	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	28.32
13907 (A)	784403	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.69
13909 (A)	784404	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W6	870	25.14
13914 (A)	784405	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W6	870	24.80
13918 (A)	784407	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W6	870	23.58
13919 (A)	784408	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W6	870	22.98
13921 (A)	784409	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W6	870	23.08
13922 (A)	784410	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.68
13924 (A)	784411	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.42
13926 (A)	784412	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.83
13929 (A)	784413	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	18.48
13937 (A)	784414	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	23.85
13939 (A)	784415	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	26.50
13940 (A)	784416	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	25.89
13942 (A)	784417	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	23.70
13945 (A)	784418	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	27.55
13948 (A)	784419	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	21.84
13950 (A)	784420	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	18.01
13951 (A)	784421	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	24.19
13954 (A)	784422	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W5	870	21.87
13956 (A)	784423	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.94
13961 (A)	784424	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.15
13966 (A)	784425	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	22.89
13970 (A)	784426	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	27.23
13972 (A)	784427	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	23.30
13974 (A)	784428	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	22.96
13977 (A)	784429	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	21.80
13979 (A)	784430	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	19.16
13980 (A)	784431	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	24.62
13987 (A)	784432	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	21.62
13988 (A)	784433	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	21.90
13990 (A)	784434	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	22.80

13992 (A)	784435	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	26.23
13993 (A)	784436	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.12
13994 (A)	784437	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	23.02
13995 (A)	784438	5/18/2011	MI10-0266	Oakdale Soil Waste	3M	W4	870	24.36

Total # of Loads: 54 **Total Tons: 1,265.97**

Grand Total (Tons): 1,265.97
Grand Total (Loads): 54

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/25/2011 to 05/25/2011**
PRINTED ON (DATE): **Tuesday, June 07, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
14771 (A)	784439	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.63
14777 (A)	784440	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	22.38
14780 (A)	784441	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.35
14784 (A)	784442	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.76
14787 (A)	784443	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.56
14793 (A)	784444	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.28
14796 (A)	784445	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.43
14800 (A)	784446	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.42
14802 (A)	784447	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	20.80
14808 (A)	784448	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.29
14828 (A)	784449	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.85
14835 (A)	784450	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	25.92
14844 (A)	784451	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	23.63
14846 (A)	784452	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.30
14861 (A)	784453	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.47
14913 (A)	784454	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.60
14915 (A)	784455	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	19.85
14918 (A)	784456	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	22.59
14923 (A)	784457	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	24.82
14924 (A)	784458	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.37
14932 (A)	784459	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.02
14935 (A)	784460	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	22.26
14941 (A)	784461	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.88
14945 (A)	784462	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.50
14951 (A)	784463	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	24.31
14957 (A)	784464	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.68
14978 (A)	784465	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.47
14981 (A)	784466	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	25.28
14986 (A)	784467	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.16
14992 (A)	784468	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.84
14995 (A)	784469	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.02
14996 (A)	784471	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.58
15001 (A)	784470	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	26.66
15008 (A)	784472	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.26
15011 (A)	784473	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	23.72
15025 (A)	784474	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	23.12
15039 (A)	784476	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	21.22
15040 (A)	784475	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	24.23
15043 (A)	784477	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.64
15045 (A)	784478	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.87
15046 (A)	784479	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	26.07
15049 (A)	784480	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	24.86
15054 (A)	784481	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.66
15067 (A)	784482	5/25/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.18

Total # of Loads: 44 **Total Tons: 1,047.79**

Grand Total (Tons): 1,047.79
Grand Total (Loads): 44

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **05/26/2011 to 05/26/2011**
PRINTED ON (DATE): **Tuesday, June 07, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
15119 (A)	784483	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.98
15124 (A)	784484	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	24.99
15131 (A)	784485	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.33
15138 (A)	784486	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	23.52
15141 (A)	784487	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	23.71
15146 (A)	784488	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	24.06
15149 (A)	784489	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	23.78
15156 (A)	784490	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y5	870	25.05
15174 (A)	784491	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	22.09
15184 (A)	784492	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X6	870	24.61
15192 (A)	784493	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	21.21
15193 (A)	784494	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y6	870	22.78
15195 (A)	784495	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	24.39
15203 (A)	784496	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	25.95
15215 (A)	784498	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X7	870	26.13
15229 (A)	784499	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	23.56
15234 (A)	784500	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y7	870	25.47
15243 (A)	784501	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	28.69
15252 (A)	784502	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X8	870	23.68
15256 (A)	784503	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.47
15258 (A)	784504	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	22.37
15271 (A)	784506	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	23.81
15272 (A)	784505	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	23.64
15278 (A)	784507	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	22.81
15313 (A)	784497	5/26/2011	MI10-0266	Oakdale Soil Waste	3M	X5	870	25.23

Total # of Loads: 25 **Total Tons: 603.31**

Grand Total (Tons): 603.31
Grand Total (Loads): 25

ROSEMOUNT INDUSTRIAL

REPORT NAME: **Tons Each Load By WSID**
DESCRIPTION: **Tonnage for EACH LOAD, grouped by customer**
DATE RANGE: **06/01/2011 to 06/01/2011**
PRINTED ON (DATE): **Monday, June 13, 2011**

3MCOA

3M Company
3061 Hadley Ave
Oakdale MN 55128

LOAD #	MANIFEST	ARRIVED	WASTE STREAM	WASTE NAME	CELL	SPOT.	LIFT	TONS
15750 (A)	784509	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.54
15751 (A)	784508	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	24.63
15754 (A)	784510	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	19.34
15761 (A)	784511	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	22.35
15768 (A)	784512	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	22.63
15793 (A)	784513	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	X4	870	23.60
15795 (A)	784514	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.56
15796 (A)	784515	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	26.18
15799 (A)	784516	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	22.60
15803 (A)	784517	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	21.77
15808 (A)	784518	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	22.76
15827 (A)	784519	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	24.25
15837 (A)	784520	6/1/2011	MI10-0266	Oakdale Soil Waste	3M	Y4	870	29.65

Total # of Loads: 13 **Total Tons: 307.86**

Grand Total (Tons): 307.86
Grand Total (Loads): 13

APPENDIX F-2
SKB WASTE MANIFESTS

Provided in separate file

APPENDIX F-3
SKB MANIFESTS - INCIDENTAL MATERIAL

Provided in separate file

APPENDIX G
FIELD SAMPLING SHEETS

BLOCK NO: DRUMS **SAMPLE DATE:** 1/19/2011

STOCKPILE NO: DRUMS **BLOCK PARAMETERS:** VOCs, PCBs, TCLP VOC, TCLP METALS, REACTIVITY, FLASHPOINT

Weather: Clear (✓) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 8 °F

Stockpile Description (Check all that apply)

(✓) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

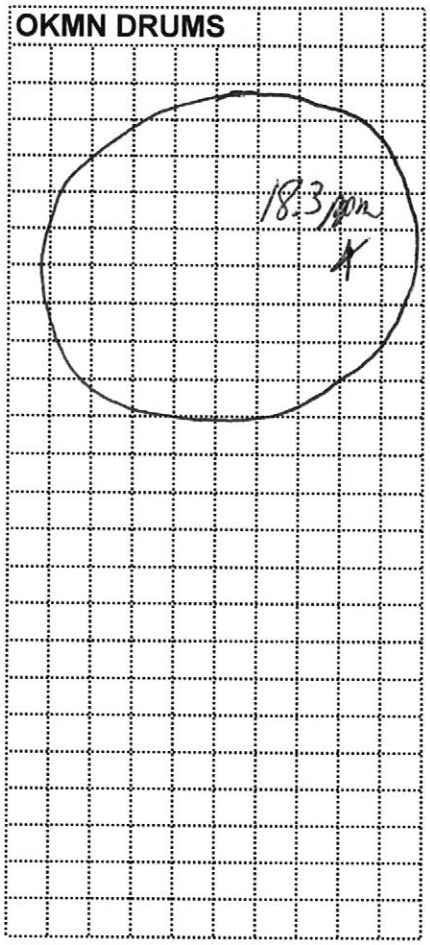
Soil Moisture:
( ) Dry
( ) Moist
(✓) Wet

Odor: Strong ( ) Mild (✓) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Composite Location for "A" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

A **OKMN-SBC-DRUMSA-0-110119**

Sample Time: 11:45
Sample Parameters: P, TCLP VOC, TCLP METALS, REACTIVITY, IGNITABILITY
Sampled By: KS, WW

B **OKMN-SB-DRUMSB-0-110119**

Sample Time: 11:45
Sample Parameters: VOCs
Sampled By: KS, WW

___

Sample Time:
Sample Parameters:
Sampled By:

___

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: B1-10 **SAMPLE DATE:** 1/21/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (✓) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** -9 °F

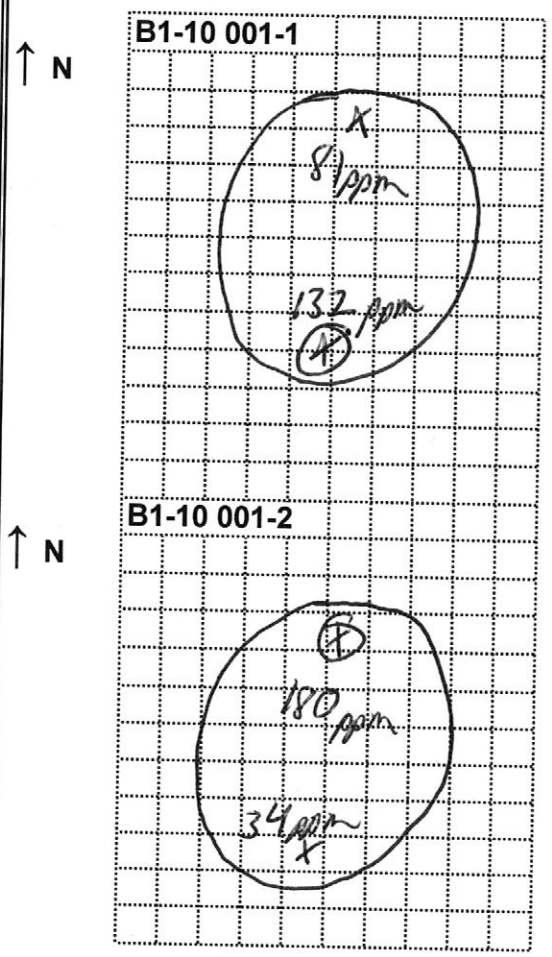
Stockpile Description (Check all that apply)
- (✓) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (✓) Mfg. Debris
- ( ) Staining

Soil Moisture: (✓) Dry ( ) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (✓)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

⊕ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B110001B-0-110121**

Sample Time: 1106
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS, GW

C **OKMN-ES-B110001C-0-110121**

Sample Time: 1117
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS, GW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B1-10 **SAMPLE DATE:** 1/21/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** -9 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

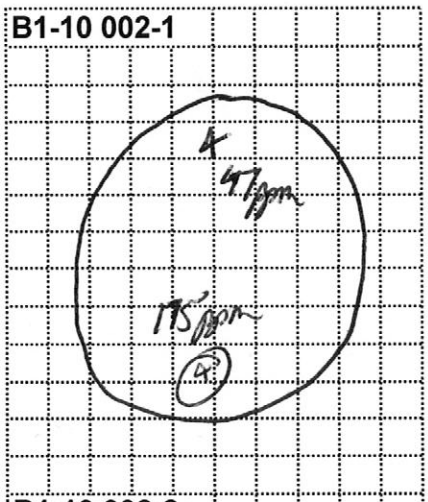
Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

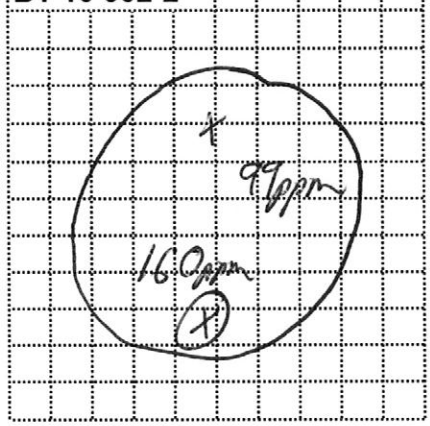
↑ N

B1-10 002-1



↑ N

B1-10 002-2



A Headspace Readings (ppm)

X Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B110002B-0-110121**

Sample Time: 11:20
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS GW

C **OKMN-ES-B110002C-0-110121**

Sample Time: 11:25
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS GW

___

Sample Time:
Sample Parameters:
Sampled By:

___

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B1-10 **SAMPLE DATE:** 1/26/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 20 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

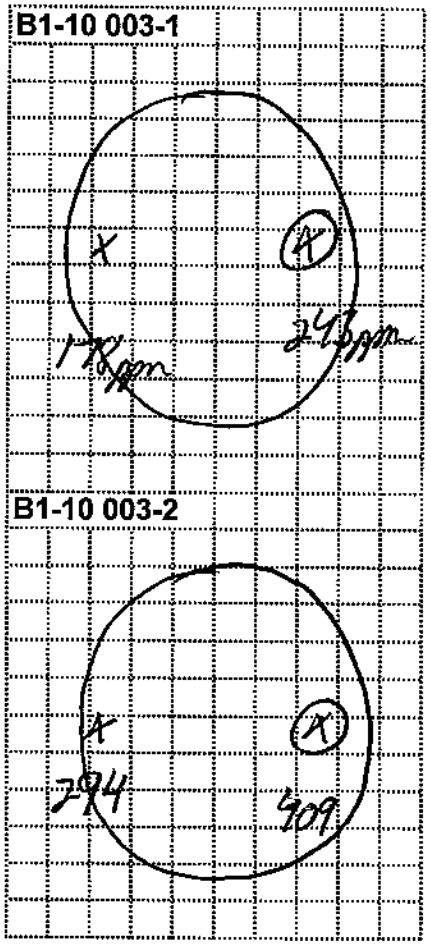
Soil Moisture: (X) Dry ( ) Moist ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

Headspace Readings (ppm) X

Sample Location for VOCs (X)

SAMPLE DATA

B
OKMN-ES-B110003B-0-110126
OKMN-ES-B110003B-DB-110126
Sample Time: 1335
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

C
OKMN-ES-B110003C-0-110126
OKMN-ES-B110003C-MS-110126
OKMN-ES-B110003C-MSD-110126
Sample Time: 1340
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B1-10 **SAMPLE DATE:** 1/26/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 20 °F

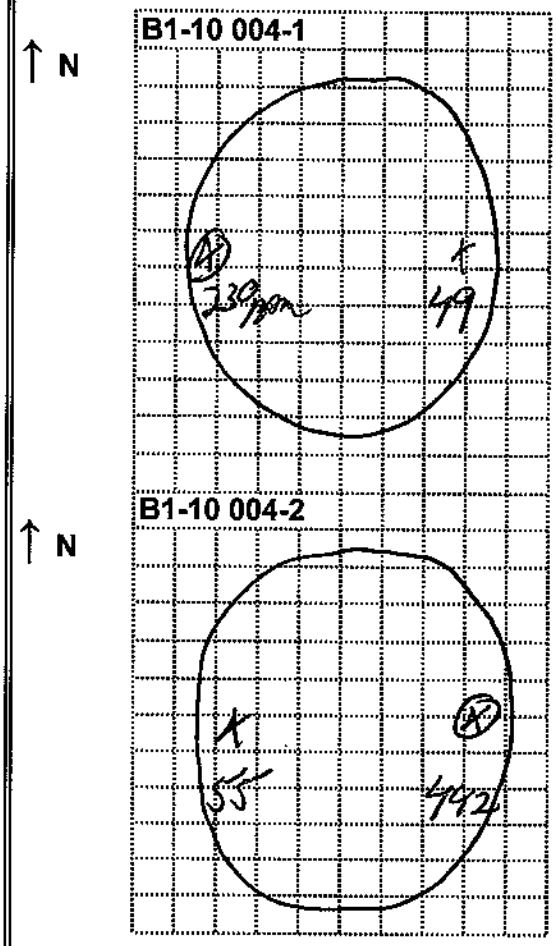
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm) X

Sample Location for VOCs (X)

SAMPLE DATA

B **OKMN-ES-B110004B-0-110126**

Sample Time: 1350
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

C **OKMN-ES-B110004C-0-110126**

Sample Time: 1355
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B1-10 **SAMPLE DATE:** 1/26/2011

STOCKPILE NO: 005 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 20 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

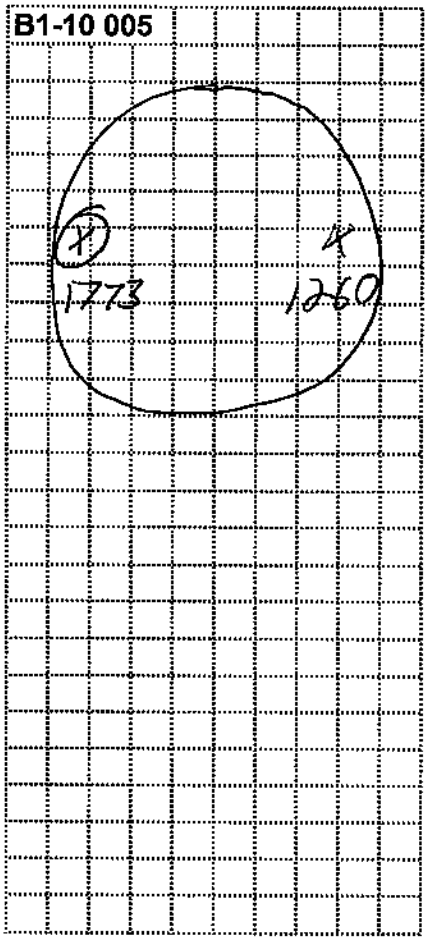
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Headspace Readings (ppm) X

Sample Location for VOCs (X)

SAMPLE DATA

B OKMN-ES-B110005B-0-110126

Sample Time: 1405
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: - **SAMPLE DATE:** 2/1/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 10 °F

Stockpile Description (Check all that apply)

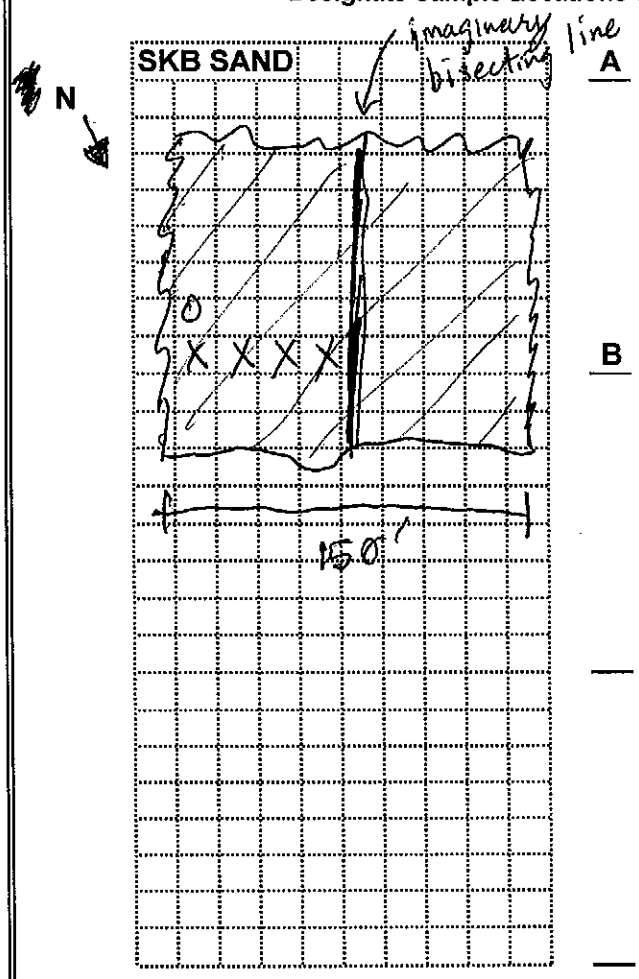
( ) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Composite Location for "A" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

A **OKMN-SSC-SKB001A-0-110201**

Sample Time: 1548
Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides
Sampled By: J. Hunter

B **OKMN-SSC-SKB001B-0-110201**

Sample Time: 1546
Sample Parameters: TCL VOCs
Sampled By: J. Hunter

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: - **SAMPLE DATE:** 2/1/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 10 °F

Stockpile Description (Check all that apply)

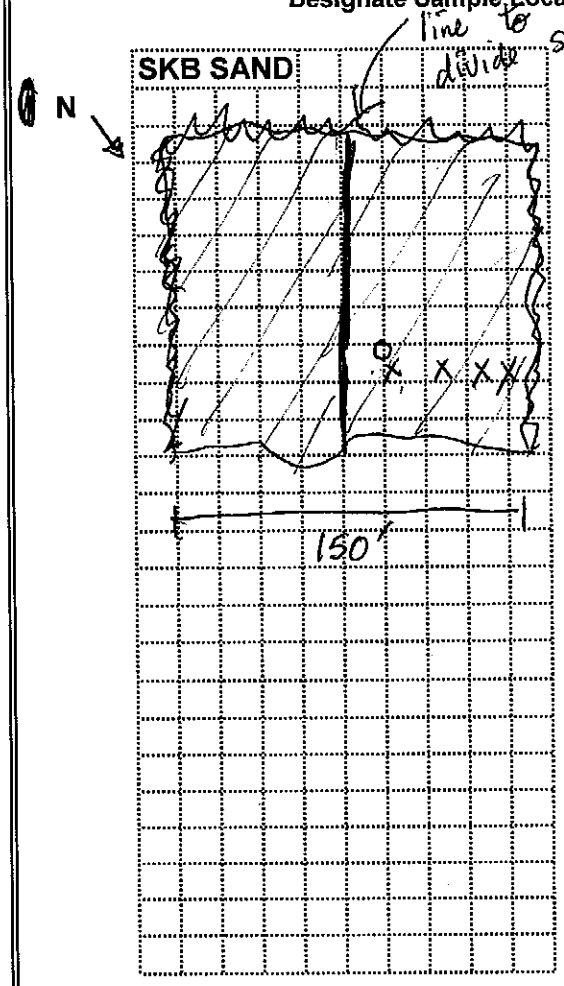
( ) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



SAMPLE DATA

A **OKMN-SSC-SKB002A-0-110201**

Sample Time: 1558
Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides
Sampled By: J. Hunter

B **OKMN-SSC-SKB002B-0-110201**

Sample Time: 1553
Sample Parameters: TCL VOCs
Sampled By: J. Hunter

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

X Composite Location for "A" Sample
NA Headspace Readings (ppm)
O Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

Sample collection narrative – SKB clean sand backfill material Tuesday, February 1st, 2011

After arrival at SKB office to sign in (3:30pm), WESTON spoke with Mike Fullerton of SKB to get directions to clean sand load out area. Mike instructed WESTON to the appropriate location, using a site map that WESTON had brought. The location is identified on the site map as "FUTURE CELL 3D."

As WESTON approached the loading area, a large front-end loader was heading the opposite direction out of the loading area, most likely to park for the end of the day. WESTON then proceeded to the sand loading area.

The loading area can be described as the bottom of an excavation with sidewalls curving around each side of the loading area in a crescent shape (the apex being the southwest side of the excavation). The floor of the excavation being flat and open to the north and northeast. This floor is approximately level with the floor of the area identified as "Cell 3C", where there are few trucks unloading to a working bulldozer. Immediately to the east of the loading area, the access road rises approximately forty feet to the perimeter gravel road, and acts as an obvious division between the sand loading area and "Cell 3C".

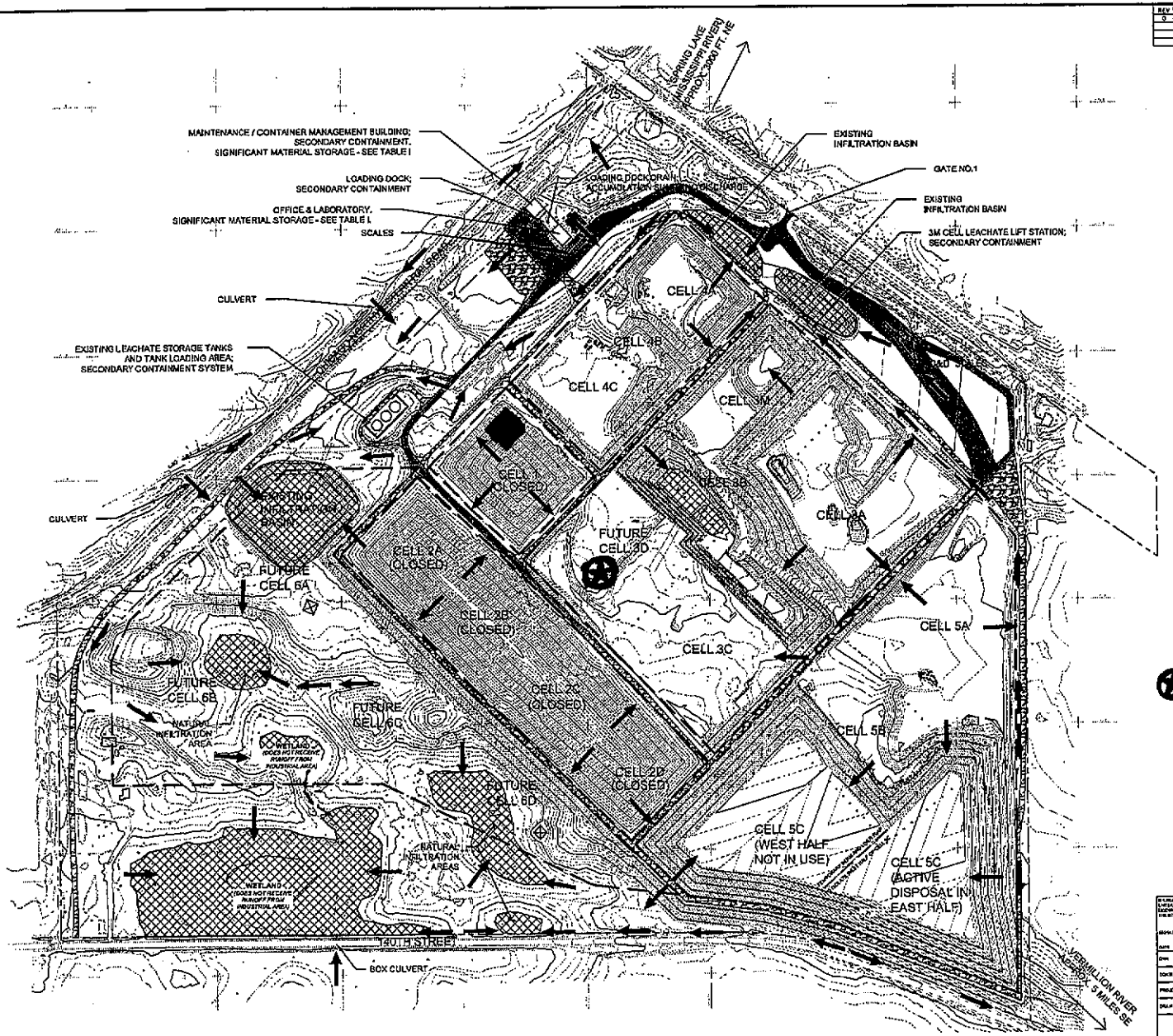
While there is approximately several hundred linear feet of sand pile to load from, WESTON was able to identify the most recent or active loading area by using visual clues. Specifically, the far edges or tips of the crescent shaped loading area were covered in a thin layer of snow, whereas the middle of the crescent (~150 feet) was not covered in snow. This area lacking in snow also lacked in any significant frost layer, either lacking frost entirely or being less than one quarter-inch. Furthermore, the ground approaching this snow- and frost-free area appeared to have been recently "back-bladed" smooth, and lacked any snow.

Using these visual clues, WESTON was able to identify the source area for the clean sand backfill most likely back-hauled to the Oakdale project site earlier today.

Before collecting samples, WESTON divided the source area into two equally-sized east and west halves for sampling purposes. Starting on the east side of each half, WESTON collected four aliquots spaced twenty feet apart, three feet up from the toe-of-slope. Using a dedicated disposable plastic scoop, the aliquots were taken from one to two inches below the surface and composited into an eight by eight inch aluminum pan. The two aluminum pans of sand were mixed with themselves and set aside for sampling later.

Volatile samples were taken using a lab-supplied Terracore kit consisting of two 5ml buffered sample jars and one unpreserved plastic jar. The volatile samples were taken from the east side of each half, close to the same location where the first composite sample was taken. After the volatile sample was collected, the composite samples were collected from the aluminum pans, filling five unpreserved five-ounce amber jars for each sample. A total of five 5 mL glass sample jars and twelve unpreserved jars were collected, including the trip blank. These jars were packed with ice into a cooler for the delivery to the lab. After signing out at the SKB office, WESTON drove directly to the Pace Analytical Lab on Elm Street in Minneapolis. The sample cooler was signed over the lab at 4:59 PM.

REV	DATE	BY	DESCRIPTION
0	05/25/10	NRB	WORKING DRAWING



McCain and Associates, Inc.
5300 Highway 12
Maple Plain, MN 55358
ph 952-348-3800
fx 952-348-3801

DATE	5/25/10
DRAWN BY	NRB
CHKD	
PROJECT NO.	SKB1002
DRAWING NO.	EXISTING_SW_MGMT.DWG

EXISTING STORMWATER MANAGEMENT

SKB-ROSEMOUNT

SKB ENVIRONMENTAL

SHT ___ of ___ SHTS

P:\Projects\SKB\SKB1002 Rosemount SWPPP\dwg\Existing SW mgmt.dwg, 5/27/2010 8:56:27 AM

BLOCK NO: B1-11 **SAMPLE DATE:** 2/11/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 17 °F

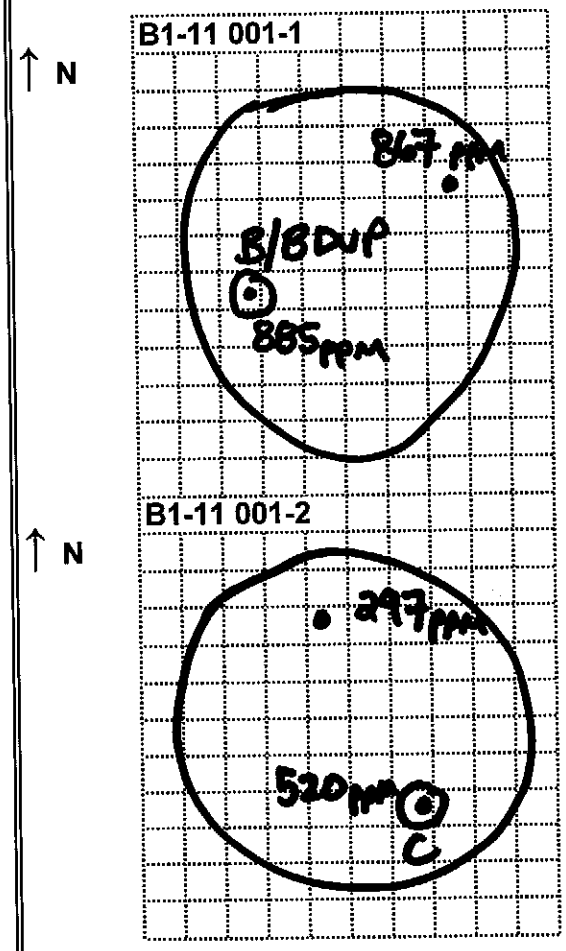
Stockpile Description (Check all that apply)
(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
( ) Staining

Soil Moisture: ( ) Dry ( ) Moist ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B111001B-0-110211**
OKMN-ES-B111001B-DB-110211
Sample Time: 11:20
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

C **OKMN-ES-B111001C-0-110211**
Sample Time: 11:25
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

___
Sample Time:
Sample Parameters:
Sampled By:

___
Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B1-11 **SAMPLE DATE:** 2/11/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 17 °F

Stockpile Description (Check all that apply)

(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
( ) Staining

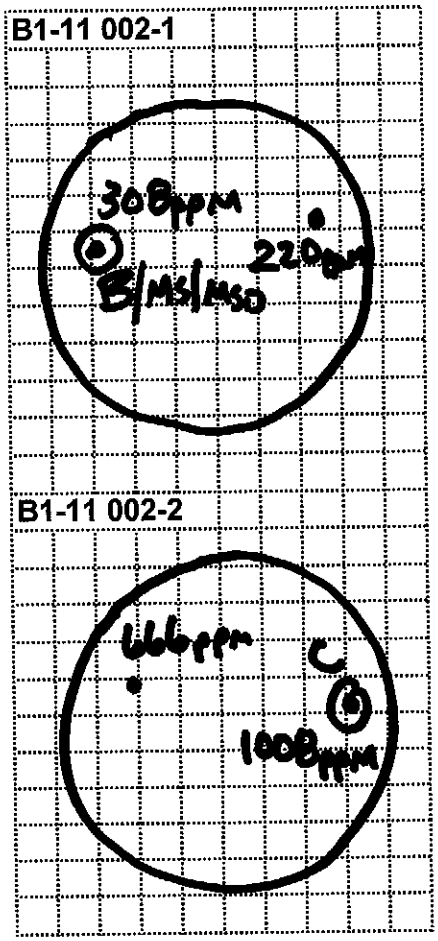
Soil Moisture: ( ) Dry ( ) Moist ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

● Headspace Readings (ppm)
◉ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B111002B-0-110211**
OKMN-ES-B111002B-MS-110211
OKMN-ES-B111002B-MSD-1100211
Sample Time: 11:45
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

C **OKMN-ES-B111002C-0-110211**
Sample Time: 11:54
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

___
Sample Time:
Sample Parameters:
Sampled By:

___
Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B1-11 **SAMPLE DATE:** 2/16/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy ( ) Rain/Snow ( ) Windy(X) **TEMP.:** 45 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

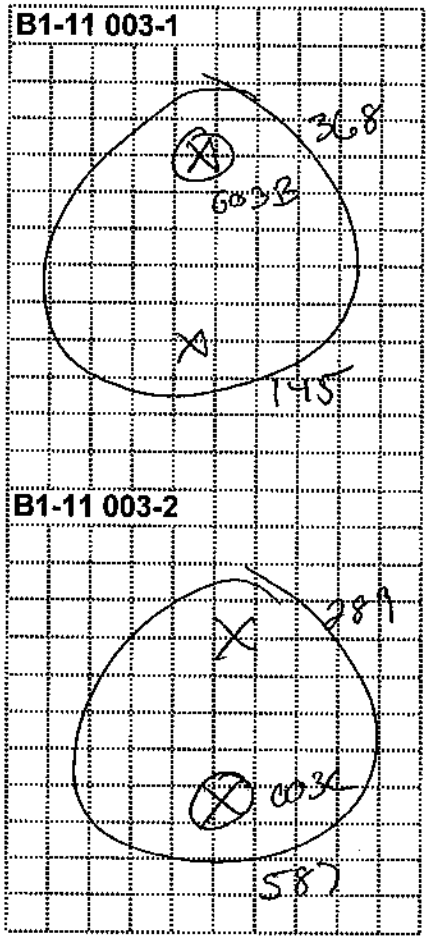
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

X Headspace Readings (ppm)

(X) Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B111003B-0-110216**

Sample Time: 1222
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

C **OKMN-ES-B111003C-0-110216**

Sample Time: 12:31
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KS

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B1-11 **SAMPLE DATE:** 2/24/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 22 °F

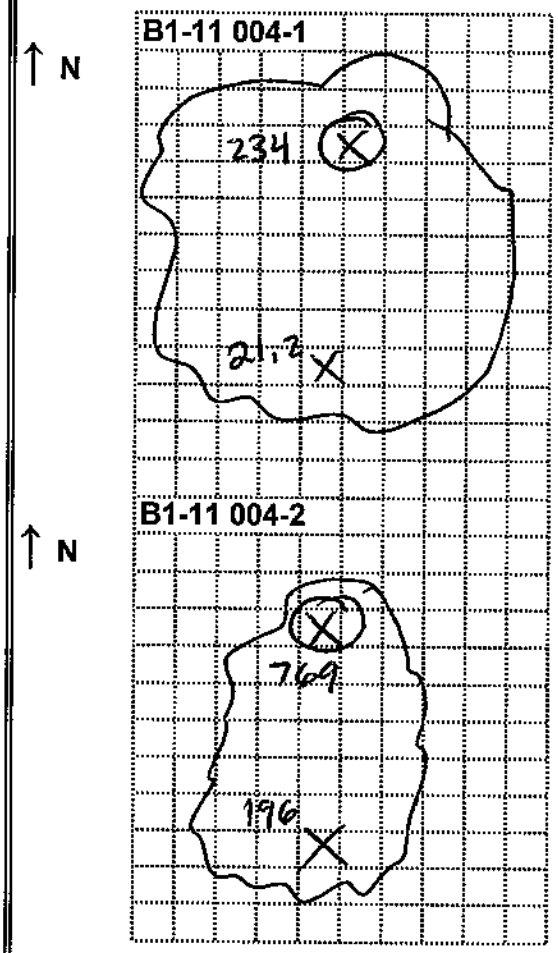
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B111004B-0-110224**

Sample Time: 0852
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B111004C-0-110224**

Sample Time: 0855
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: - **SAMPLE DATE:** 3/15/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 36 °F

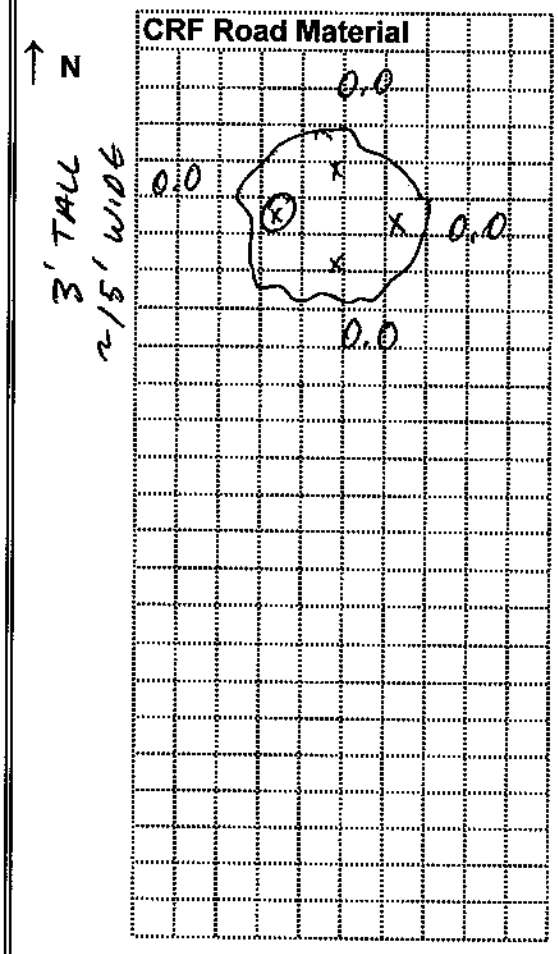
Stockpile Description (Check all that apply)
- ( ) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A **OKMN-CRC-CRF01A-0-110315**

Sample Time: 1142
Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Pesticides, RCRA Herbicides
Sampled By: JH

B **OKMN-CR-CRF001B-0-110315**

Sample Time: 1153
Sample Parameters: TCL VOCs
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: B2-10 **SAMPLE DATE:** 3/15/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

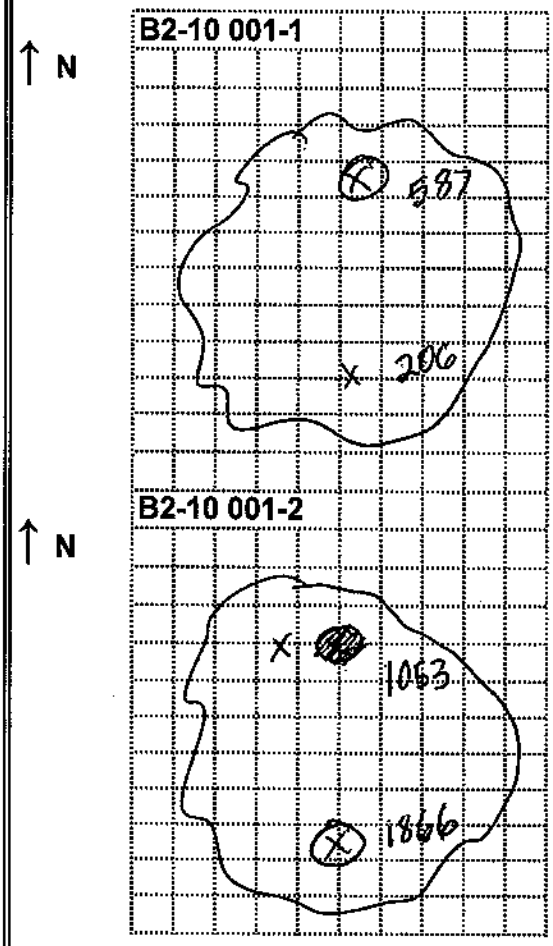
Stockpile Description (Check all that apply)
- ( ) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B210001B-0-110315**
OKMN-ES-B210001B-DB-110315
Sample Time: 1235
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

C **OKMN-ES-B210001C-0-110315**
Sample Time: 1239
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B2-10 **SAMPLE DATE:** 3/15/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

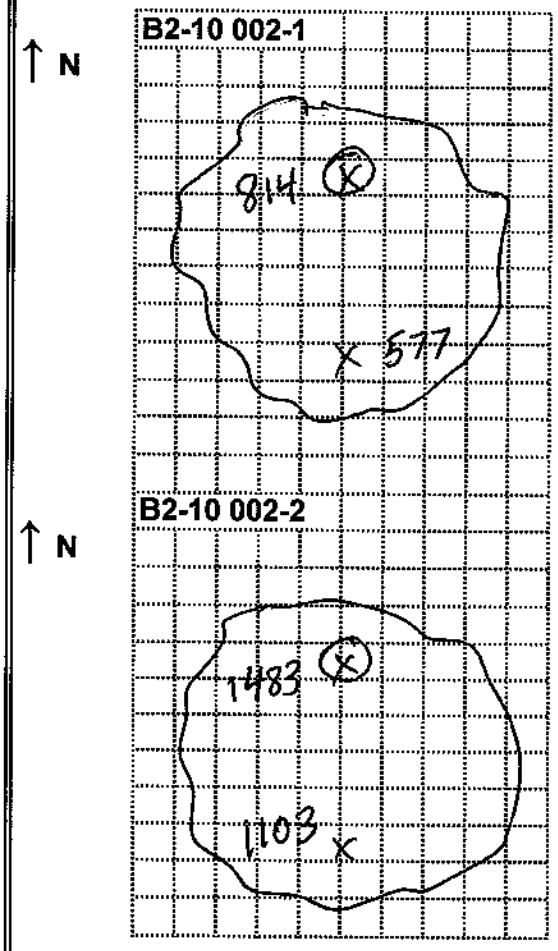
Stockpile Description (Check all that apply)
- ( ) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B210002B-0-110315**

Sample Time: 1246
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

C **OKMN-ES-B210002C-0-110315**

Sample Time: 1250
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B2-10 **SAMPLE DATE:** 3/16/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

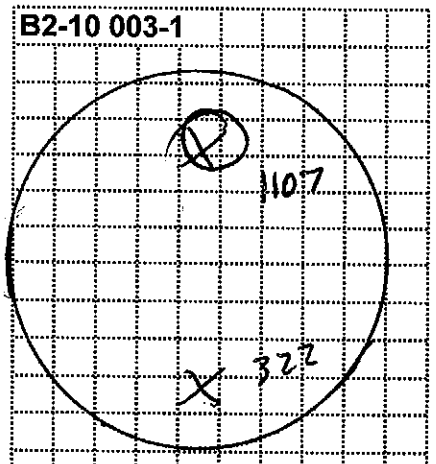
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA(x)

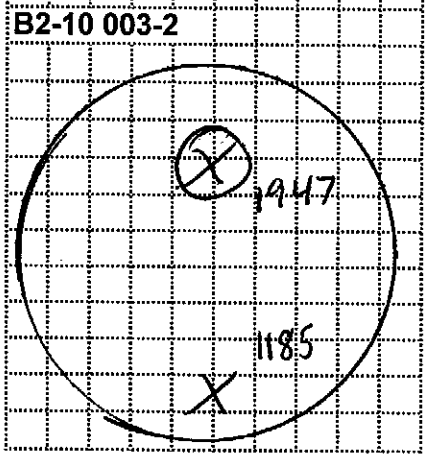
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



Headspace Readings (ppm) X

Sample Location for VOCs ⊗

SAMPLE DATA

B **OKMN-ES-B210003B-0-110316**

Sample Time: 1235
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

C **OKMN-ES-B210003C-0-110316**

Sample Time: 1240
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-10 **SAMPLE DATE:** 3/16/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA and TCE Only)

Weather: Clear (✓) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 45 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

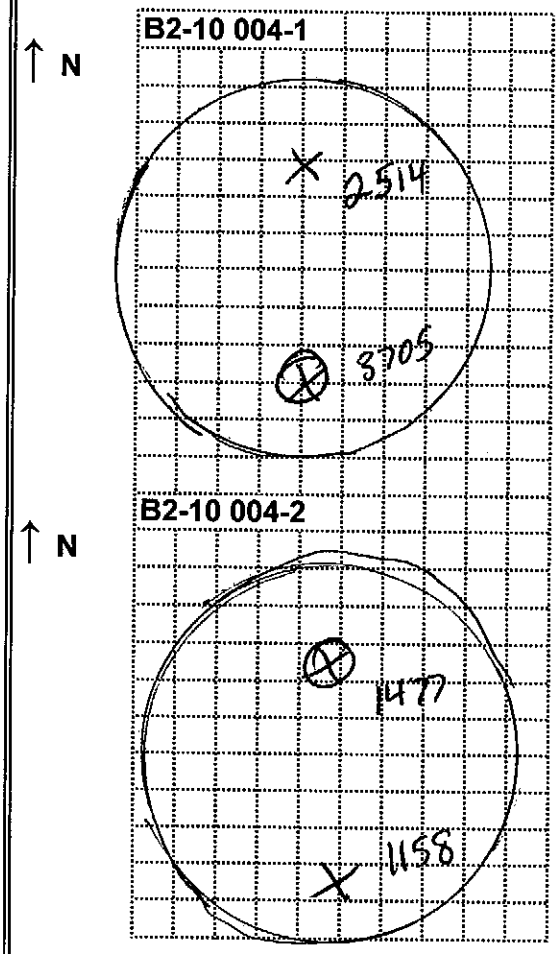
Soil Moisture: (✓) Dry ( ) Moist (X) Wet

NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm) X

Sample Location for VOCs ⊗

SAMPLE DATA

B **OKMN-ES-B210004B-0-110316**

Sample Time: 1245
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By:

C **OKMN-ES-B210004C-0-110316**

Sample Time: 1250
Sample Parameters: VOCs(1,2-DCA and TCE Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-3 **SAMPLE DATE:** 3/17/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 50 °F

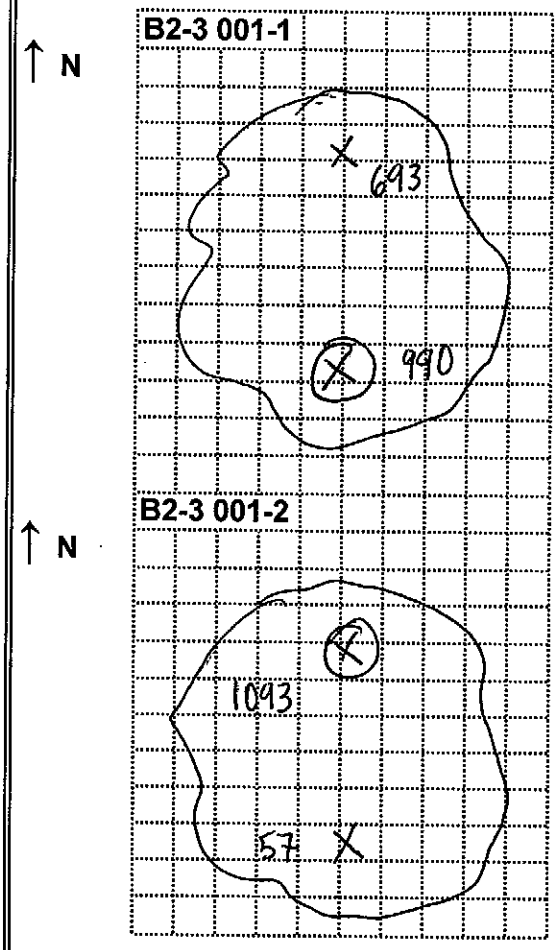
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B203001B-0-110317**

Sample Time: 1234
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B203001C-0-110317**
OKMN-ES-B203001C-DB-110317

Sample Time: 1238
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-3 **SAMPLE DATE:** 3/17/2011

STOCKPILE NO: 002-1 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 50 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

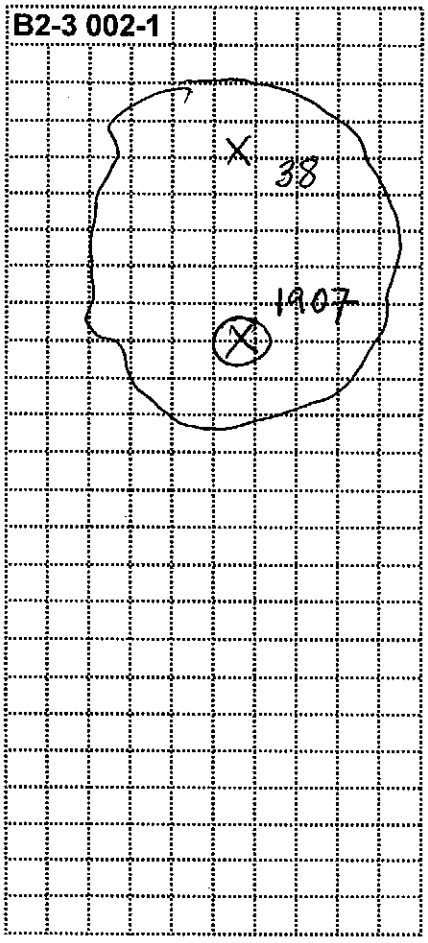
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B203002B-0-110317**
OKMN-ES-B203002B-MS-110317
OKMN-ES-B203002B-MSD-110317
Sample Time: 1242
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-3 **SAMPLE DATE:** 3/21/2011

STOCKPILE NO: 002-2 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

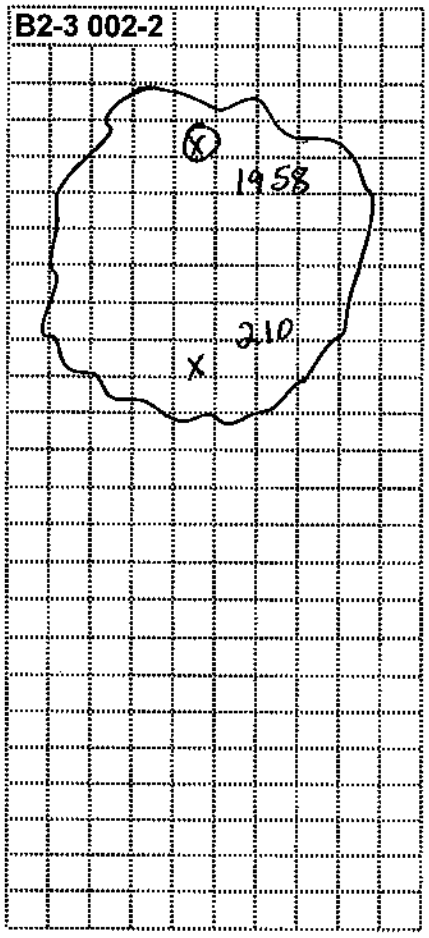
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

B **OKMN-ES-B203002C-0-110321**

Sample Time: 1203
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

X Headspace Readings (ppm)

Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B2-3 **SAMPLE DATE:** 3/21/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

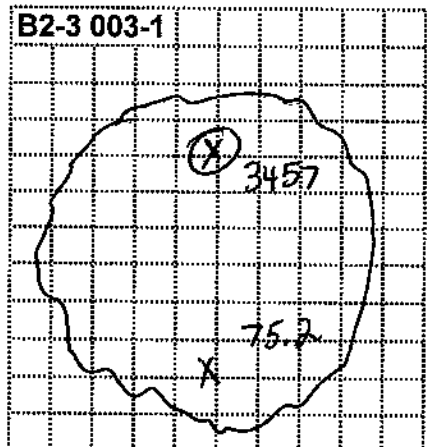
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

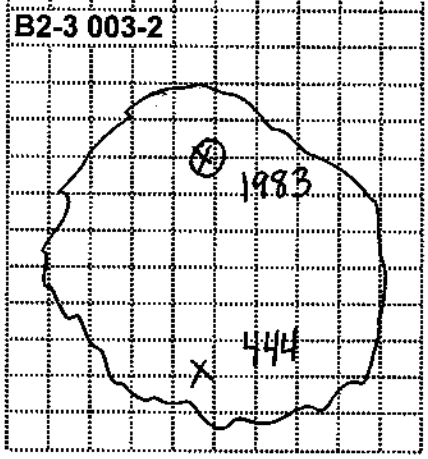
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B203003B-0-110321**

Sample Time: 1205
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B203003C-0-110321**

Sample Time: 1207
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B2-3 **SAMPLE DATE:** 3/21/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

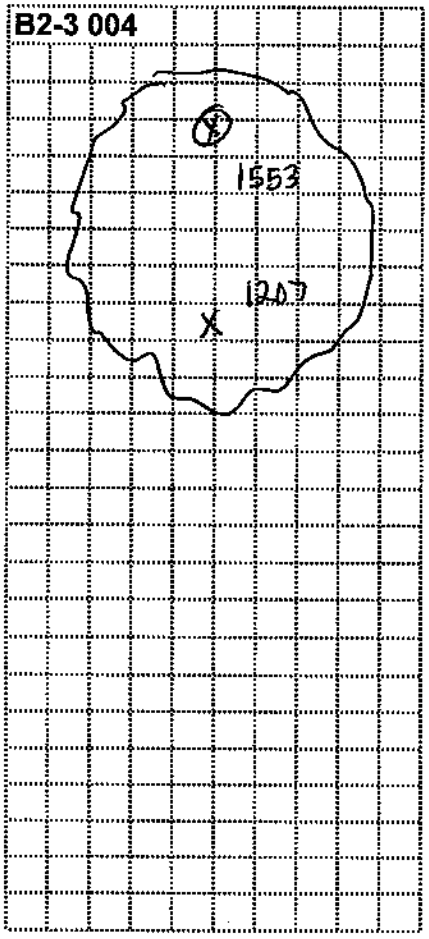
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B203004B-0-110321**

Sample Time: 1219
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane)

BLOCK NO: B2-11 **SAMPLE DATE:** 3/21/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

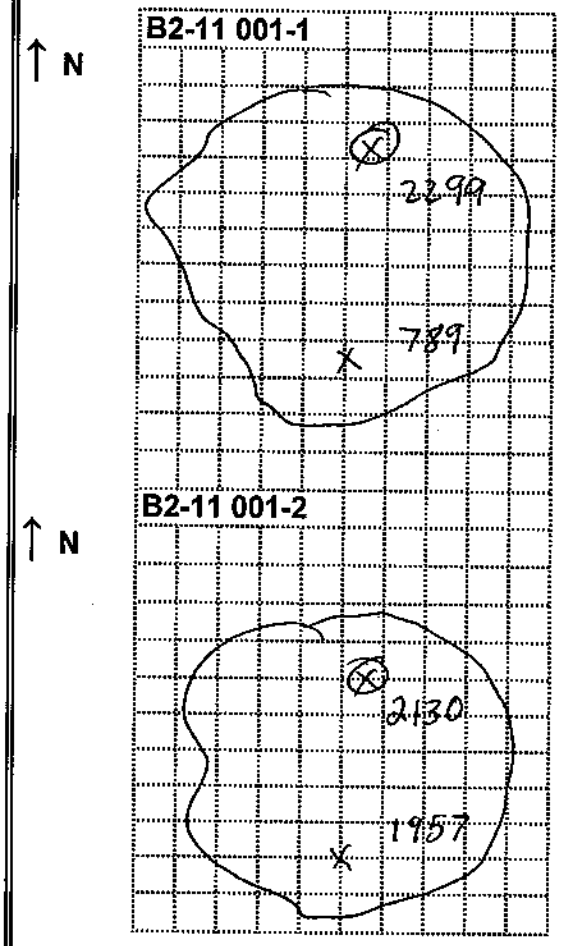
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B211001A-0-110321
OKMN-ESC-B211001A-DB-110321
Sample Time: 1221
Sample Parameters: PCBs
Sampled By: JH

B OKMN-ES-B211001B-0-110321
Sample Time: 1223
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

C OKMN-ES-B211001C-0-110321
Sample Time: 1227
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-11 **SAMPLE DATE:** 3/21/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

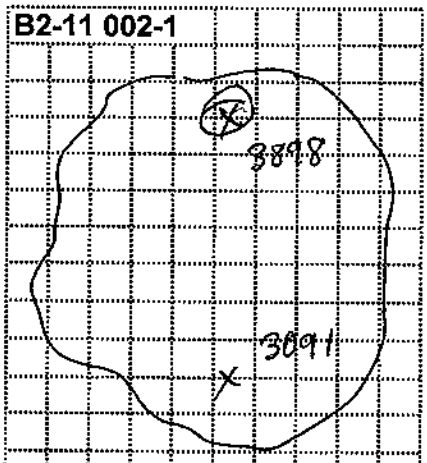
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

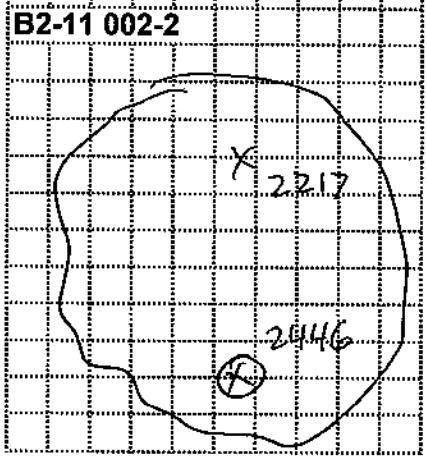
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample
X Headspace Readings (ppm)
X Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B211002A-0-110321**
- Sample Time: 1242
- Sample Parameters: PCBs
- Sampled By: JH

B **OKMN-ES-B211002B-0-110321**
- Sample Time: 1244
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B211002C-0-110321**
- Sample Time: 1246
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs (Polychlorinated biphenyls), 1,2-DCA (1,2-Dichloroethane)**

BLOCK NO: B2-11 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

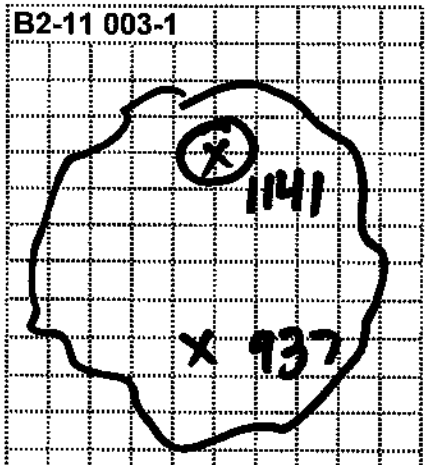
NA(x)

Odor: Strong ( ) Mild ( ) None ( )

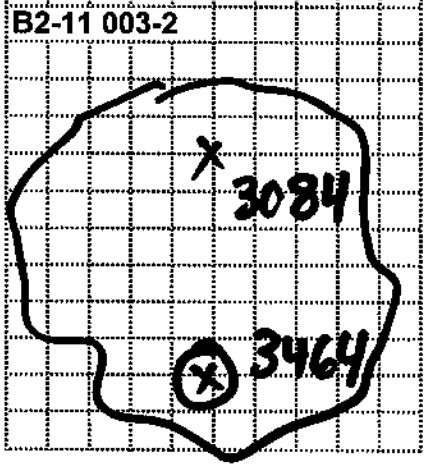
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample

X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B211003A-0-110322**
- Sample Time: 1301
- Sample Parameters: PCBs
- Sampled By: JH

B **OKMN-ES-B211003B-0-110322**
OKMN-ES-B211003B-DB-110322
- Sample Time: 1305
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B211003C-0-110322**
- Sample Time: 1309
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

__
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-11 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

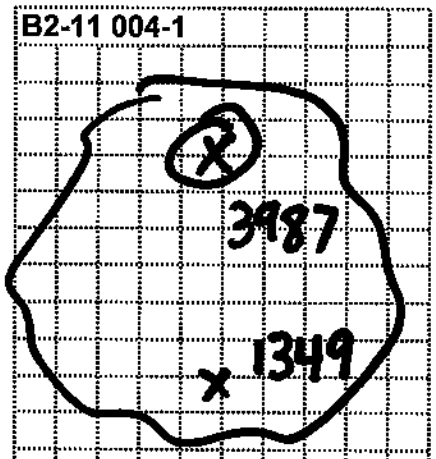
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

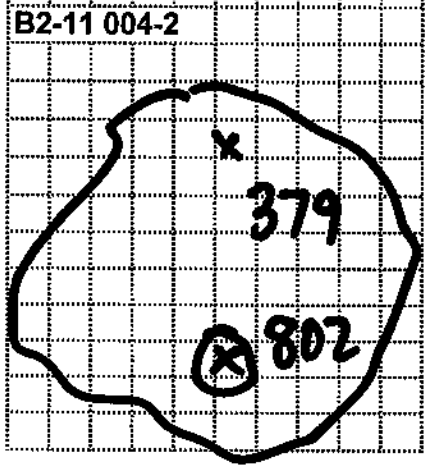
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B211004A-0-110322
- Sample Time: [redacted] 1312
- Sample Parameters: PCBs
- Sampled By: JH

B OKMN-ES-B211004B-0-110322
- Sample Time: 1315
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

C OKMN-ES-B211004C-0-110322
- Sample Time: 1320
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-11 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 005 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

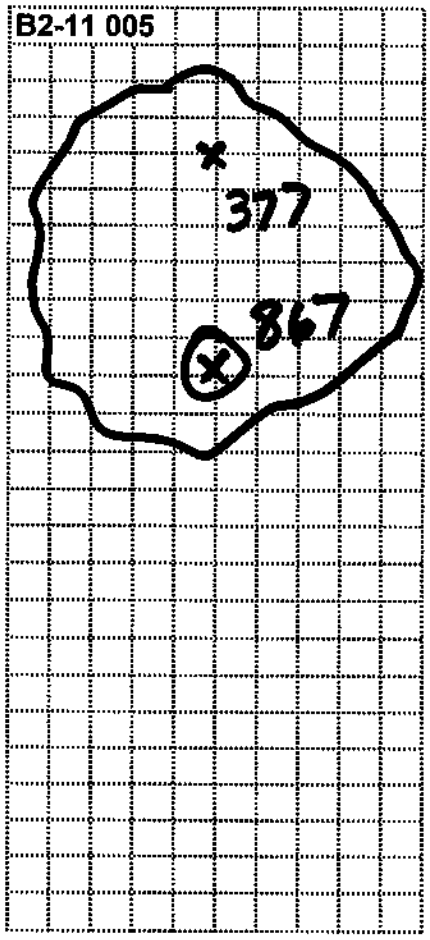
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

A OKMN-ESC-B211005A-0-110322

Sample Time: 1325
Sample Parameters: PCBs
Sampled By: JH

B OKMN-ES-B211005B-0-110322
OKMN-ES-B211005B-MS-110322
OKMN-ES-B211005B-MSD-110322

Sample Time: 1328
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B3-15 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

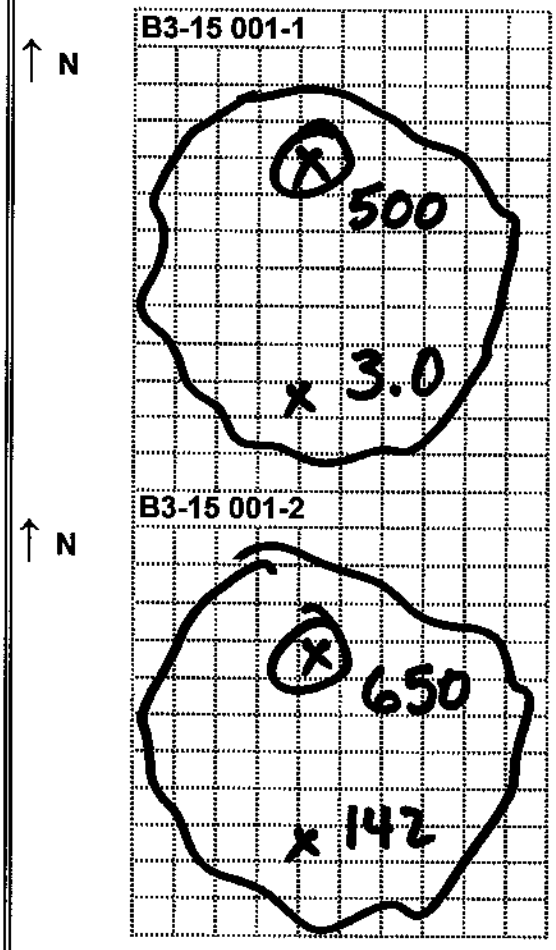
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B OKMN-ES-B315001B-0-110322

Sample Time: 1330
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: BW, GW

C OKMN-ES-B315001C-0-110322

Sample Time: 1335
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: BW, GW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B3-15 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

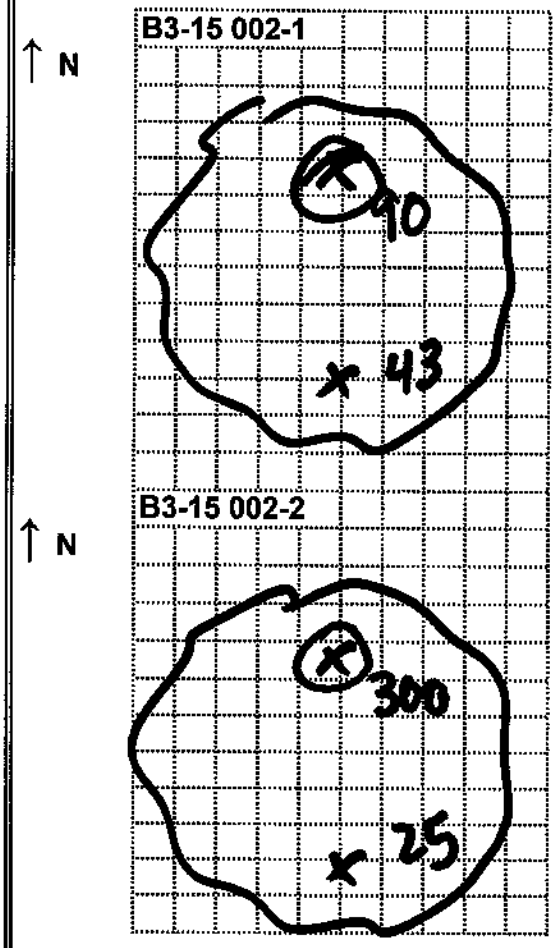
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B315002B-0-110322**
Sample Time: 1340
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: BW, GW

C **OKMN-ES-B315002C-0-110322**
Sample Time: 1345
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: BW, GW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-15 **SAMPLE DATE:** 3/22/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

Soil Moisture: ( ) Dry ( ) Moist (X) Wet

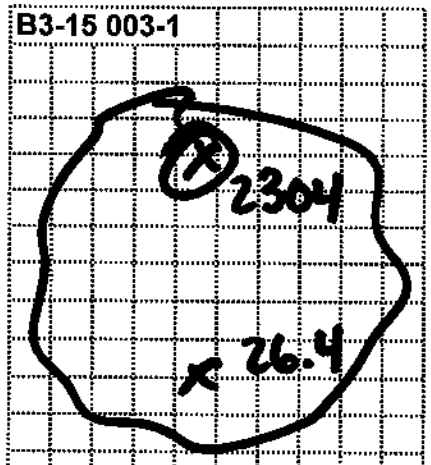
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

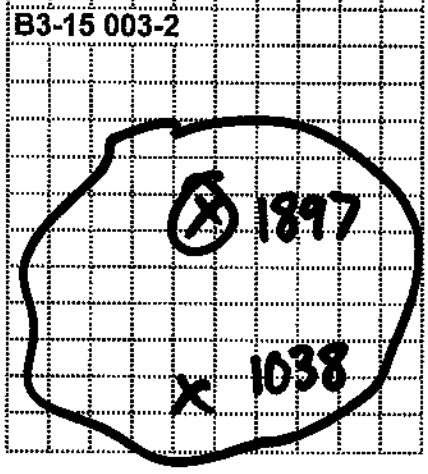
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B315003B-0-110322**
Sample Time: 1350
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B315003C-0-110322**
OKMN-ES-B315003C-DB-110322
Sample Time: 1355
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: GW

___
Sample Time:
Sample Parameters:
Sampled By:

___
Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B2-11 **SAMPLE DATE:** 3/30/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 42 °F

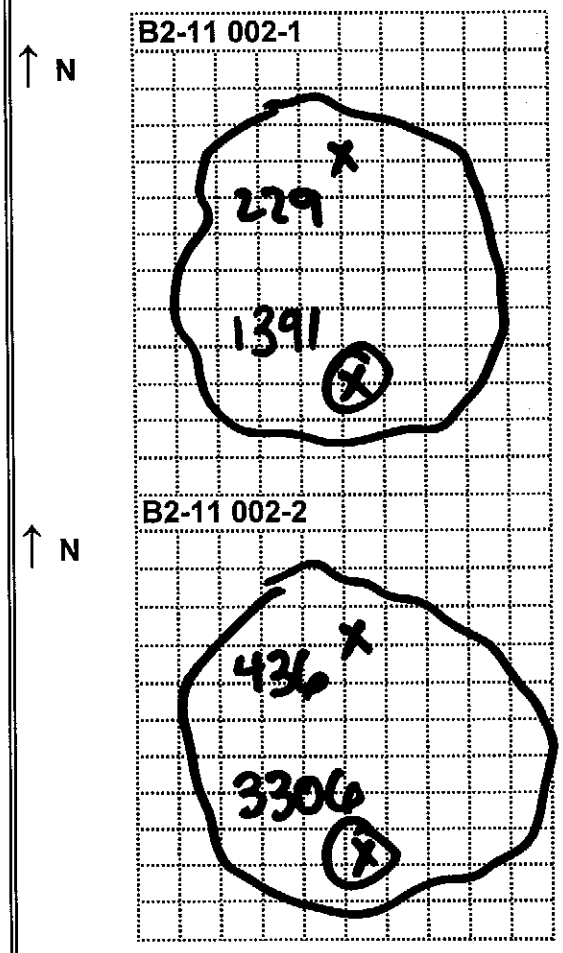
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild ( ) None (X) NA

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Composite Location for "A" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B211002B-0-110330**
Sample Time: 1110
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B211002C-0-110330**
Sample Time: 1115
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-17 **SAMPLE DATE:** 4/4/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

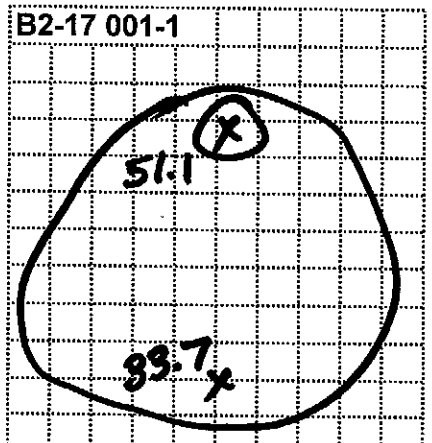
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

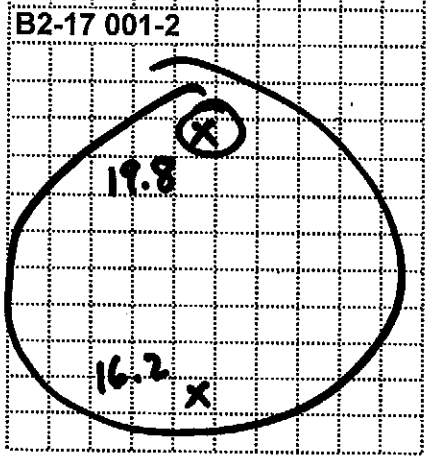
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B217001B-0-110404**

Sample Time: 0900
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B217001C-0-110404**

Sample Time: 0904
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-17 **SAMPLE DATE:** 4/4/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

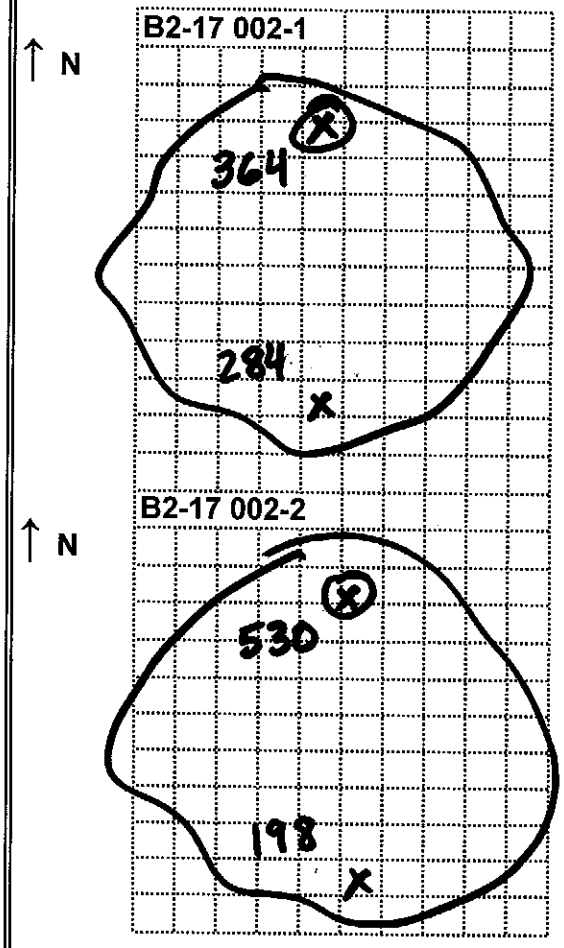
Soil Moisture: ( ) Dry ( ) Moist ( ) Wet

NA(X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B217002B-0-110404**
Sample Time: 0907
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B217002C-0-110404**
Sample Time: 0910
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-17 **SAMPLE DATE:** 4/4/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

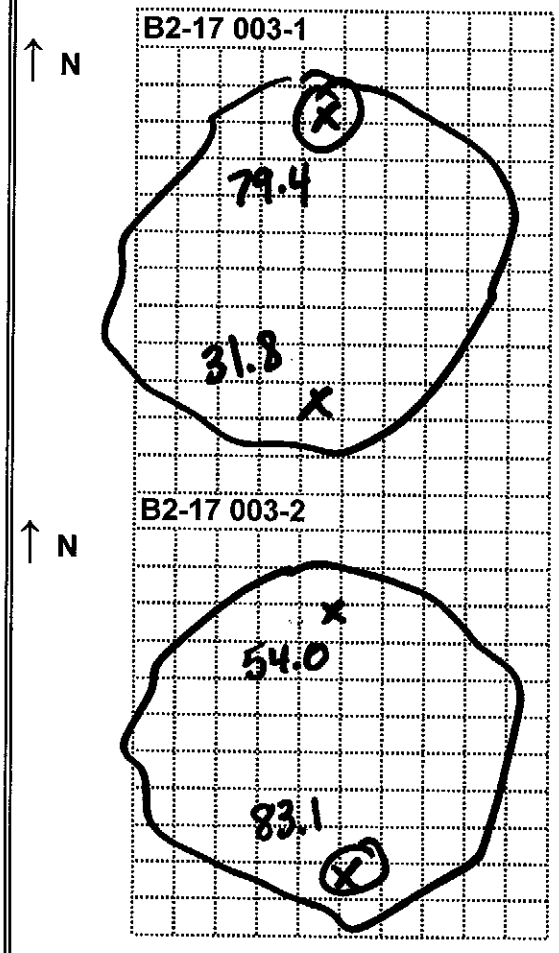
Soil Moisture:
- ( ) Dry
- ( ) Moist
- ( ) Wet

NA(X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B217003B-0-110404**
- Sample Time: 0919
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B217003C-0-110404**
- Sample Time: 0922
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-17 **SAMPLE DATE:** 4/4/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow (X) Windy(X) **TEMP.:** 35 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

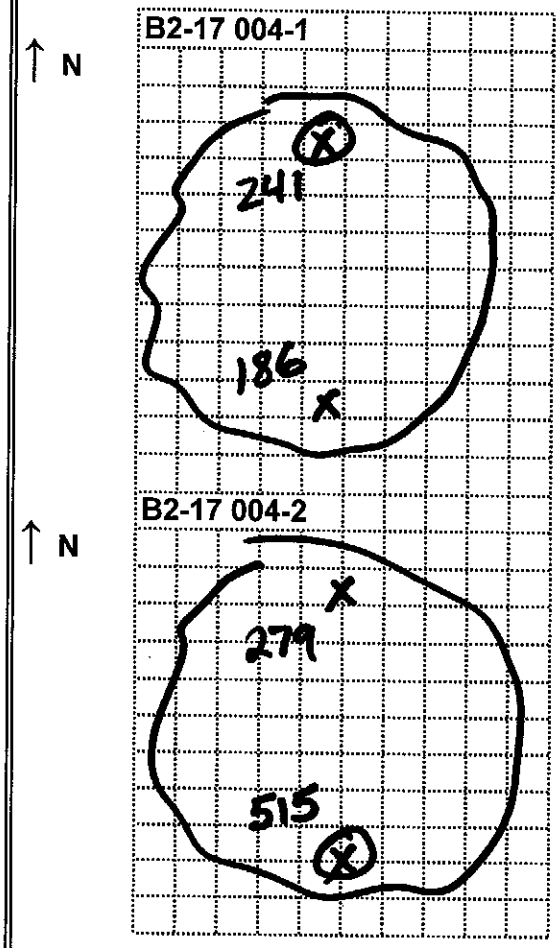
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

NA(X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B217004B-0-110404**

Sample Time: 0926
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B217004C-0-110404**
OKMN-ES-B217004C-DB-110404

Sample Time: 0929
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B3-11 **SAMPLE DATE:** 4/6/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 49 °F

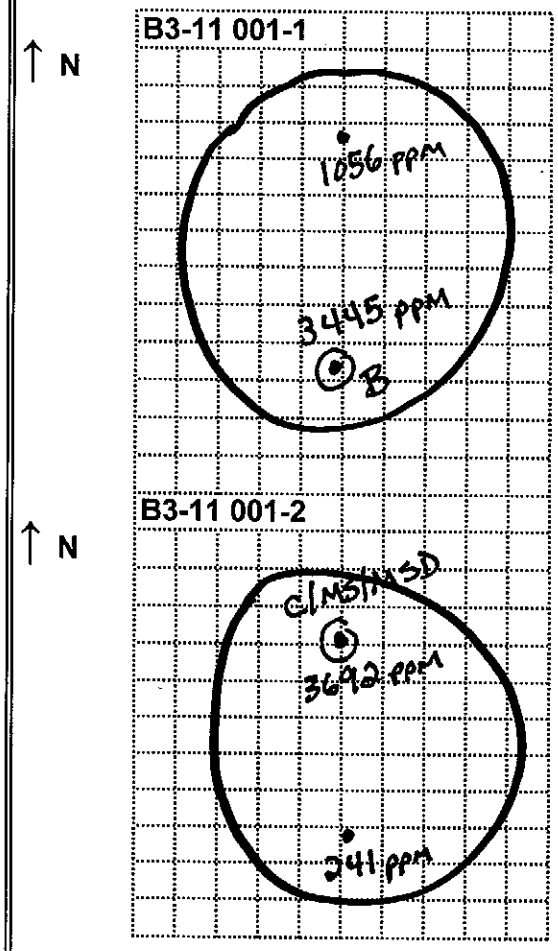
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



• Headspace Readings (ppm)

⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B311001B-0-110406**

Sample Time: 10:45
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

C **OKMN-ES-B311001C-0-110406**
OKMN-ES-B311001C-MS-110406
OKMN-ES-B311001C-MSD-110406

Sample Time: 10:48
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B3-11 **SAMPLE DATE:** 4/6/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 49 °F

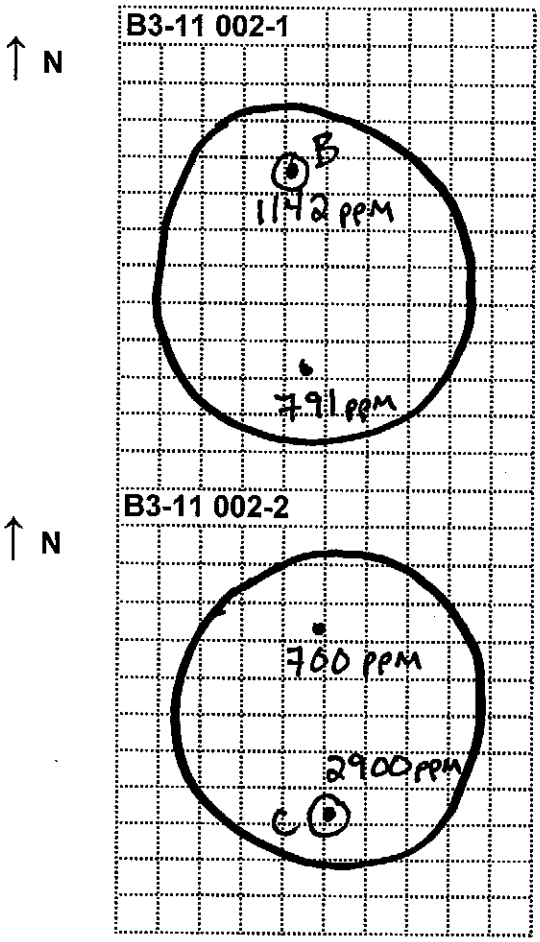
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



• Headspace Readings (ppm)

⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B311002B-0-110406**

Sample Time: 10:50
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

C **OKMN-ES-B311002C-0-110406**

Sample Time: 11:00
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-11 **SAMPLE DATE:** 4/6/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 49 °F

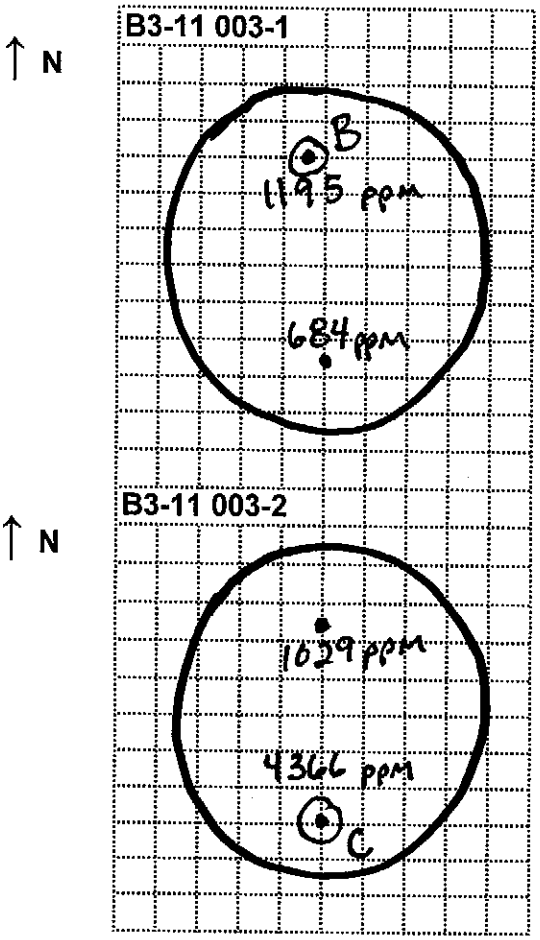
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



● Headspace Readings (ppm)

⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B311003B-0-110406**

Sample Time: 11:05
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

C **OKMN-ES-B311002C-0-110406**

Sample Time: 11:08
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-11 **SAMPLE DATE:** 4/6/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 49 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

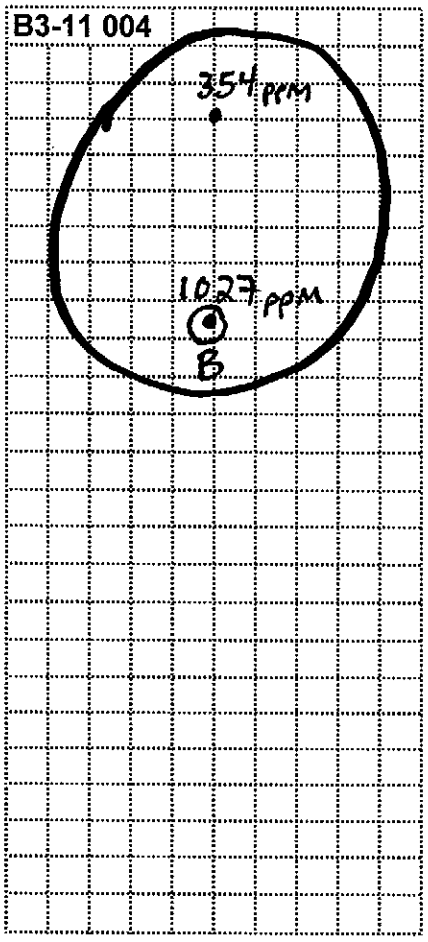
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



● Headspace Readings (ppm)

⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B311004B-0-110406**

Sample Time: 11:11
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: RM / WW

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-15 **SAMPLE DATE:** 4/8/2011

STOCKPILE NO: 003-2 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 55 °F

Stockpile Description (Check all that apply)
- (X) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- (X) Staining

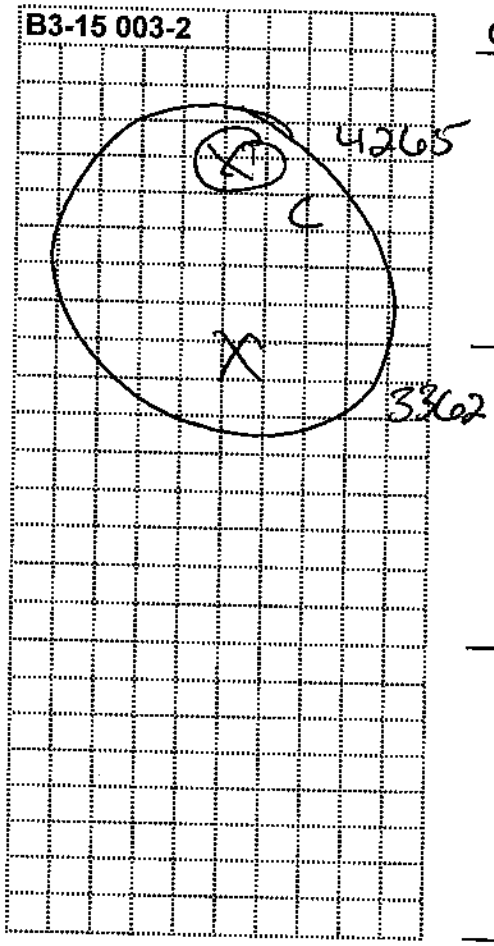
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Headspace Readings (ppm)

Sample Location for VOCs

SAMPLE DATA

C **OKMN-ES-B315003C-0-110408**

Sample Time: 10:30
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: KW
* Sample collected post conditioning to remove VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B2-11 **SAMPLE DATE:** 4/8/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 55 °F

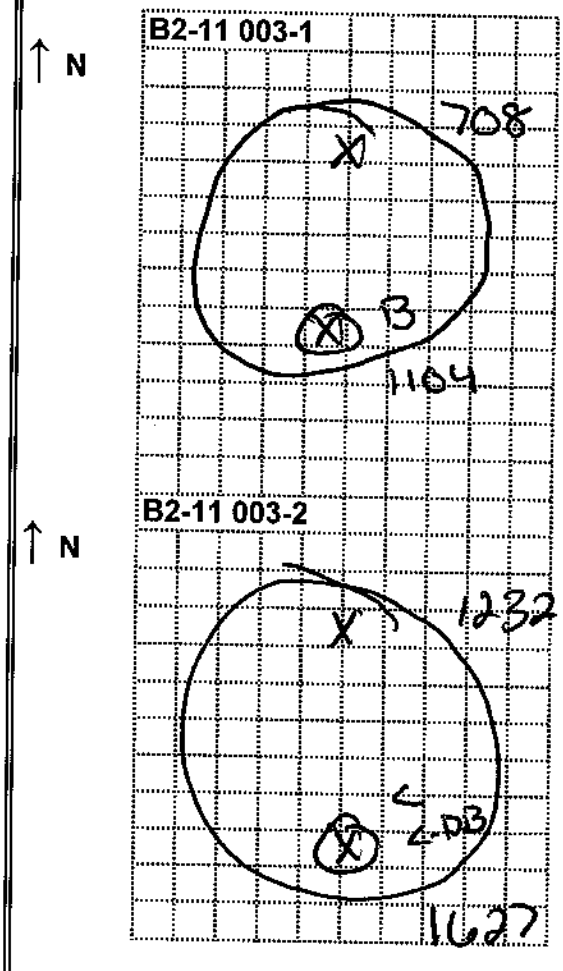
Stockpile Description (Check all that apply)
- (X) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Composite Location for "A" Sample
X Headspace Readings (ppm)
X Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B211003B-0-110408**

Sample Time: 10:20
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: WW
* Sample collected post conditioning to remove VOCs

C **OKMN-ES-B211003C-0-110408**
OKMN-ES-B211003C-DB-110408

Sample Time: 10:10
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: WW
* Sample collected post conditioning to remove VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-11 **SAMPLE DATE:** 4/8/2011

STOCKPILE NO: 002-1 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 55 °F

Stockpile Description (Check all that apply)
- (X) Soil
- (X) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- (X) Staining

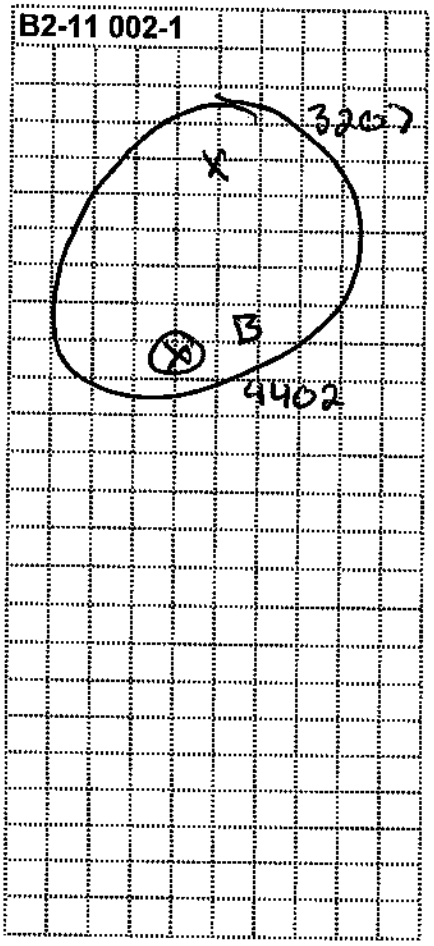
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Composite Location for "A" Sample
X Headspace Readings (ppm)
X Sample Location for VOCs

SAMPLE DATA

B **OKMN-ESC-B211002B-0-110408**

Sample Time: 10:40
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: WW
* Sample collected post conditioning to remove VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-5 **SAMPLE DATE:** 4/14/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

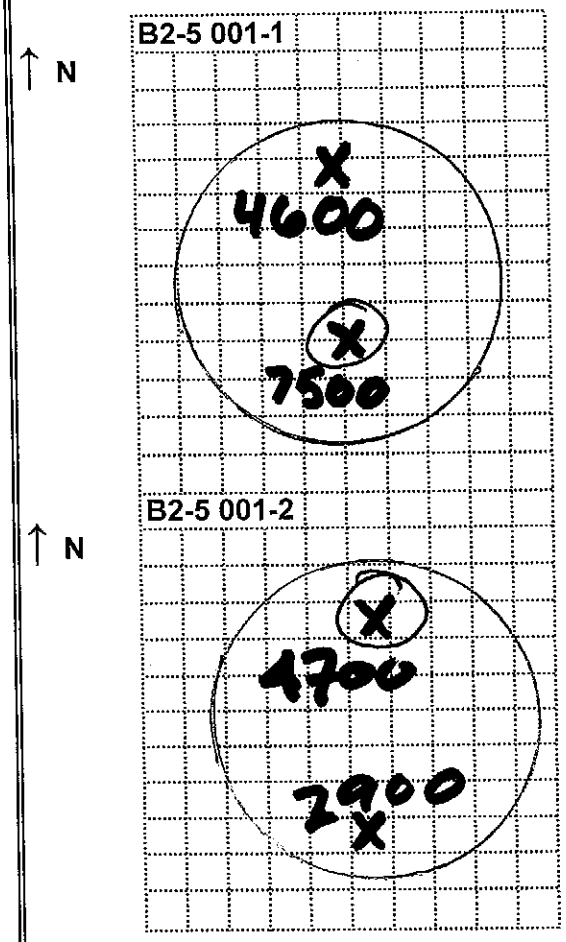
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B205001A-0-110414
OKMN-ESC-B205001A-DB-110414
Sample Time: 1229
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: JH, MF

B OKMN-ES-B205001B-0-110414
Sample Time: 1231
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

C OKMN-ES-B205001C-0-110414
Sample Time: 1233
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-5 **SAMPLE DATE:** 4/14/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 40 °F

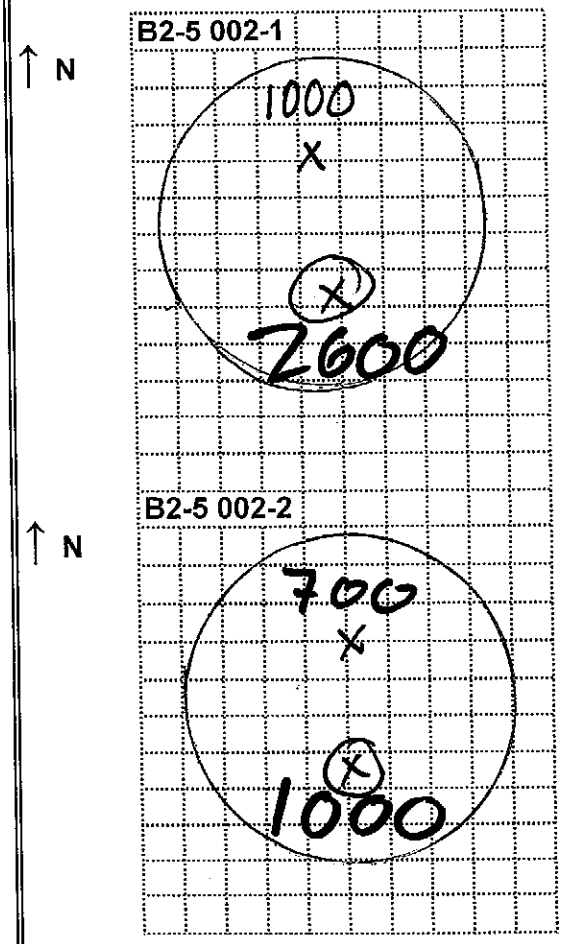
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None ( ) NA (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B205002A-0-110414
Sample Time: 1242
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: JH, MF

B OKMN-ES-B205002B-0-110414
Sample Time: 1246
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

C OKMN-ES-B205002C-0-110414
Sample Time: 1248
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: MF, JH

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-5 **SAMPLE DATE:** 4/14/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (✓) Rain/Snow ( ) Windy(✓) **TEMP.:** 40 °F

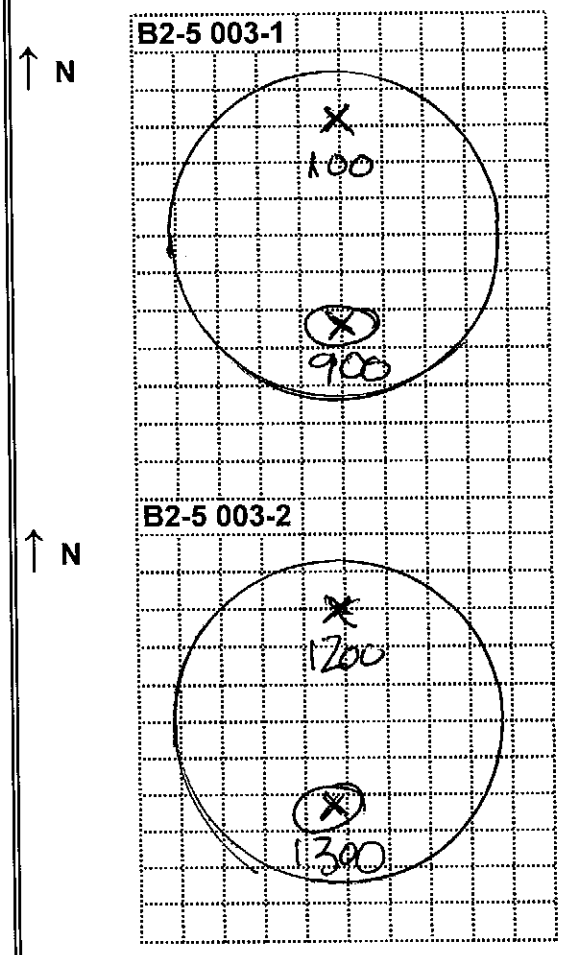
Stockpile Description (Check all that apply)
- (✓) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture: ( ) Dry (✓) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (✓) NA (✓)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



✓ Composite Location for "A" Sample
✓ Headspace Readings (ppm)
○ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B205003A-0-110414**
Sample Time: 1254
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: JH, MF

B **OKMN-ES-B205003B-0-110414**
OKMN-ES-B205003B-MS-110414
OKMN-ES-B205003B-MSD-110414
Sample Time: 1301
Sample Parameters: VOCs,(1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

C **OKMN-ES-B205003C-0-110414**
Sample Time: 1303
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-5 **SAMPLE DATE:** 4/14/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 40 °F

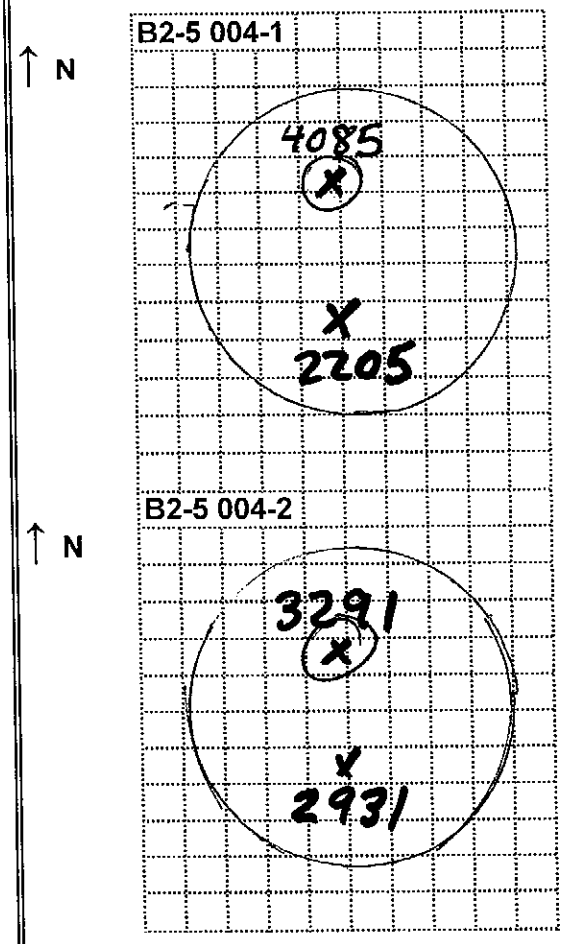
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (X) NA

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B205004A-0-110414**
Sample Time: 1308
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: JH, MF

B **OKMN-ES-B205004B-0-110414**
Sample Time: 1313
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

C **OKMN-ES-B205004C-0-110414**
Sample Time: 1315
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/15/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 41 °F

Stockpile Description (Check all that apply)

(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

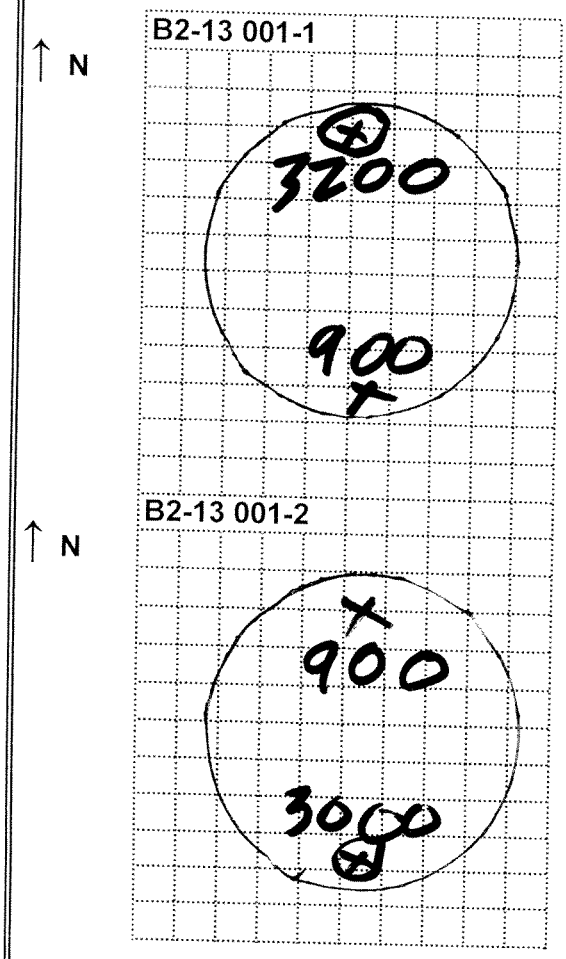
Soil Moisture: ( ) Dry ( ) Moist ( ) Wet

NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B213001A-0-110415**
Sample Time: 1122
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: JH, MF

B **OKMN-ES-B213001B-0-110415**
OKMN-ES-B213001B-DB-110415
Sample Time: 1127
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: JH, MF

C **OKMN-ES-B213001C-0-110415**
Sample Time: 1128
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: [redacted]
Sampled By: JH, MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/15/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy (X) **TEMP.:** 41 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

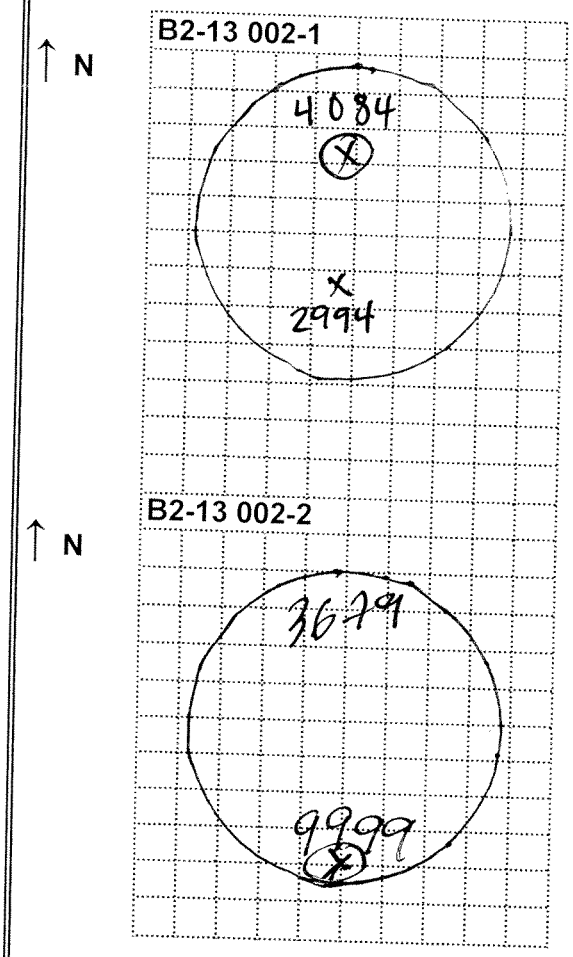
Soil Moisture: ( ) Dry ( ) Moist ( ) Wet

NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B213002A-0-110415**
Sample Time: 1139
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: JH, MF

B **OKMN-ES-B213002B-0-110415**
Sample Time: 1140
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

C **OKMN-ES-B213002C-0-110415**
Sample Time: 1141
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH, MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

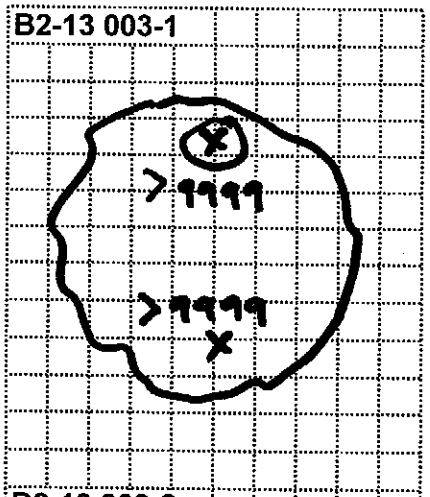
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

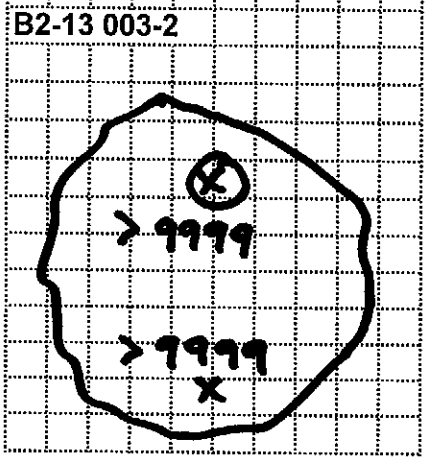
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B213003A-0-110418**
Sample Time: 1140
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: JH

B **OKMN-ES-B213003B-0-110418**
Sample Time: 1145
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH

C **OKMN-ES-B213003C-0-110418**
Sample Time: 1147
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

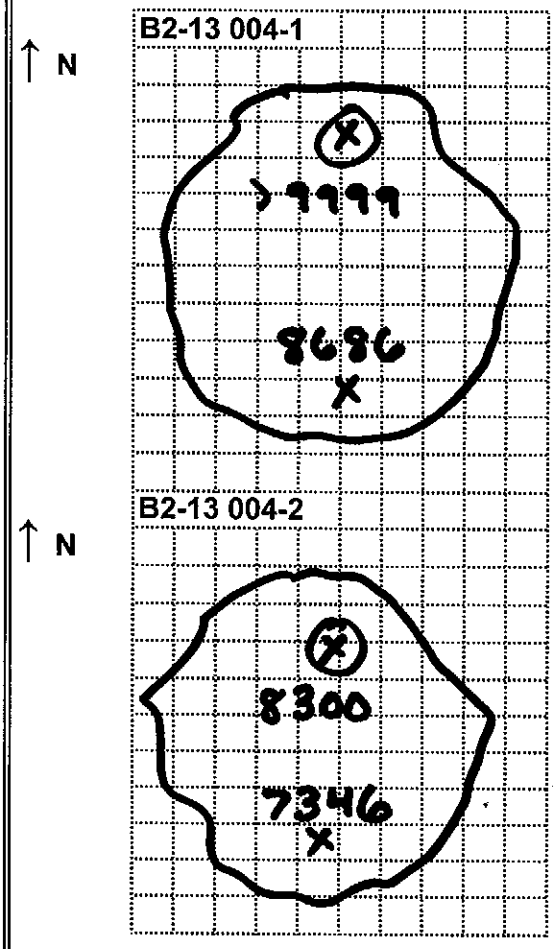
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B213004A-0-110418
- Sample Time: 1155
- Sample Parameters: TCLP VOCs(TCE Only)
- Sampled By: JH

B OKMN-ES-B213004B-0-110418
- Sample Time: 1158
- Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
- Sampled By: JH

C OKMN-ES-B213004C-0-110418
- Sample Time: 1200
- Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 005 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

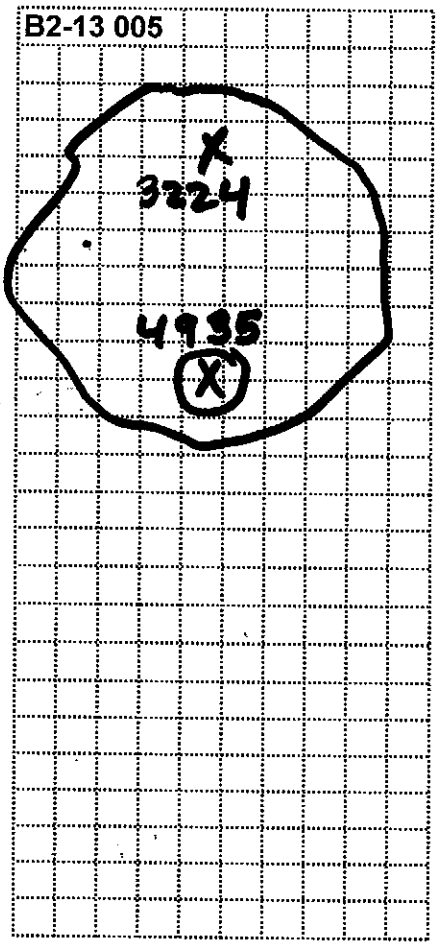
NA (X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

A OKMN-ESC-B213005A-0-110418
- Sample Time: 1207
- Sample Parameters: TCLP VOCs(TCE Only)
- Sampled By: JH

B OKMN-ES-B213005B-0-110418
OKMN-ES-B213005B-MS-110418
OKMN-ES-B213005B-MSD-110418
- Sample Time: 1210
- Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B3-12 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

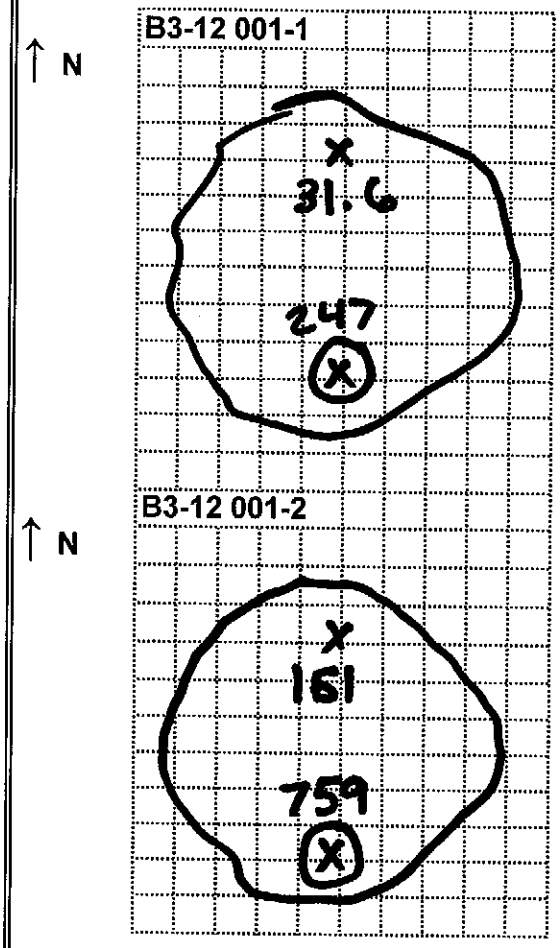
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

NA(X)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B312001B-0-110418**

Sample Time: 1224
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH.

C **OKMN-ES-B312001C-0-110418**
OKMN-ES-B312001C-DB-110418

Sample Time: 1226
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-12 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

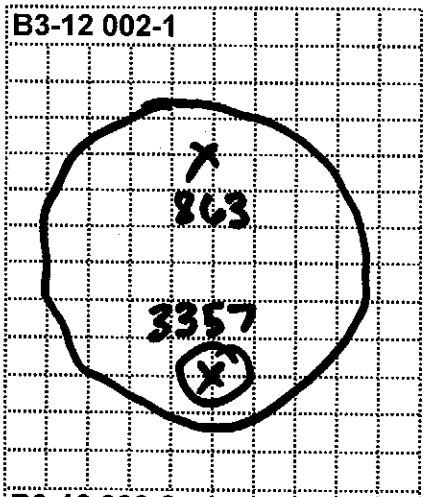
NA(X)

Odor: Strong ( ) Mild ( ) None ( )

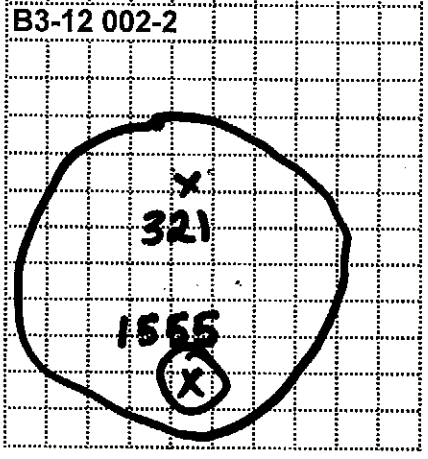
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B312002B-0-110418**

Sample Time: 1238
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B312002C-0-110418**

Sample Time: 1240
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-12 **SAMPLE DATE:** 4/18/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

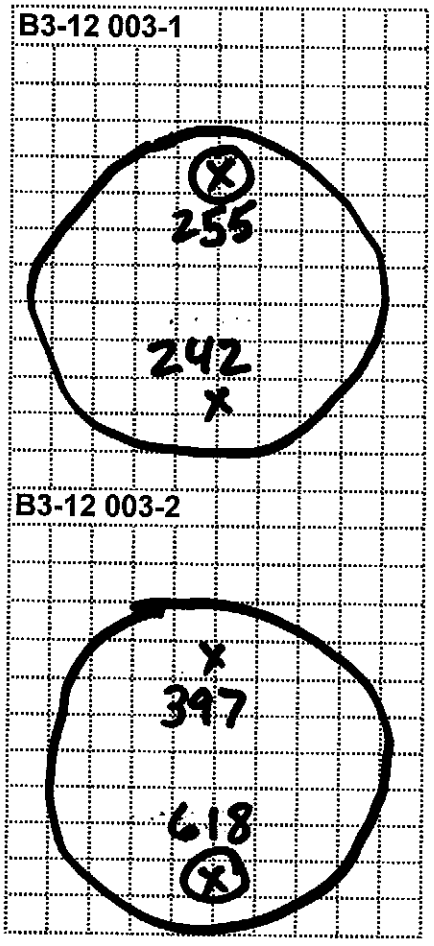
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B312003B-0-110418**
- Sample Time: 1251
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B312003C-0-110418**
- Sample Time: 1253
- Sample Parameters: VOCs(1,2-DCA Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B2-6 **SAMPLE DATE:** 4/19/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

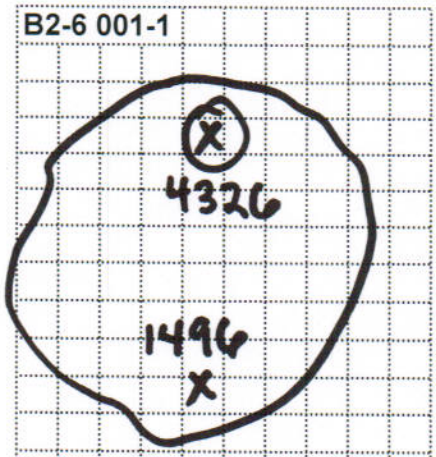
NA(x)

Odor: Strong ( ) Mild ( ) None ( )

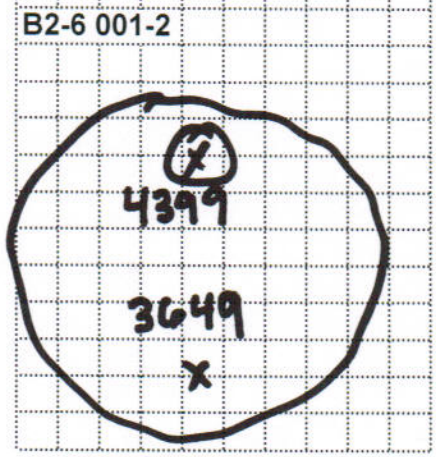
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B206001B-0-110419**
- Sample Time: 1250
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B206001C-0-110419**
- Sample Time: 1253
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-6 **SAMPLE DATE:** 4/19/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)

( ) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
( ) Mfg. Debris
( ) Staining

Soil Moisture: ( ) Dry (X) Moist ( ) Wet

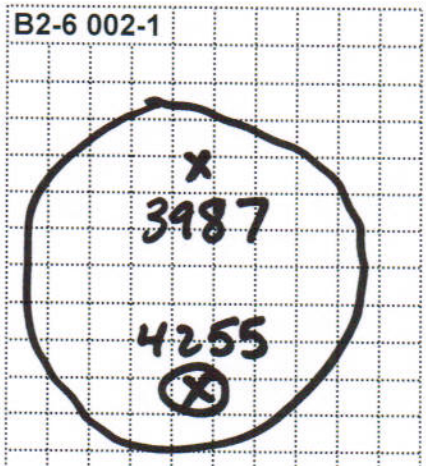
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

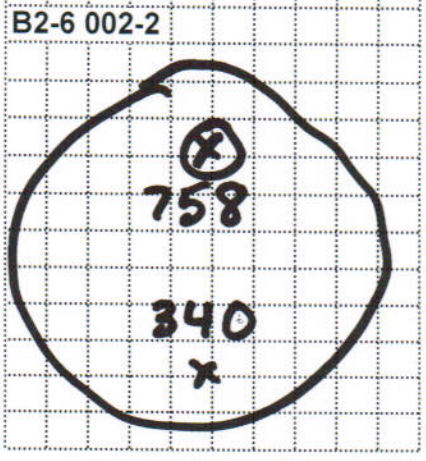
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B206002B-0-110419**
Sample Time: 1256
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B206002C-0-110419**
Sample Time: 1259
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-6 **SAMPLE DATE:** 4/19/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

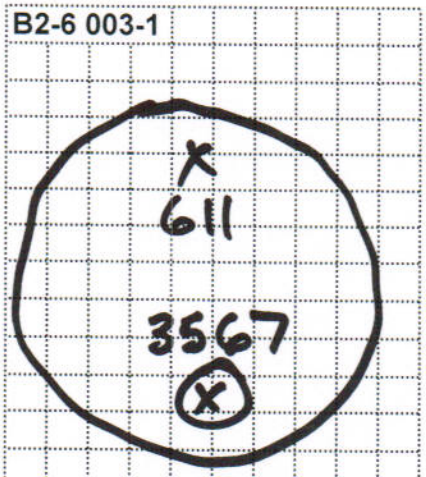
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

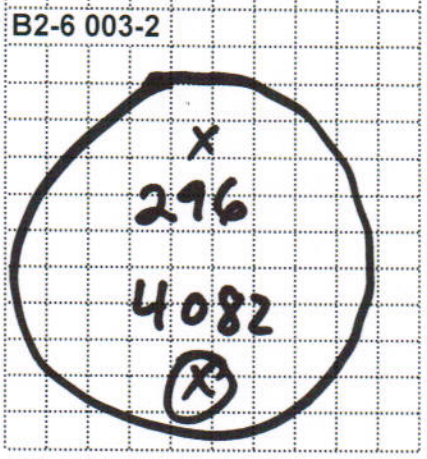
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



x Headspace Readings (ppm)

O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B206003B-0-110419**

Sample Time: 1308
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

C **OKMN-ES-B206003C-0-110419**
OKMN-ES-B206003C-DB-110419

Sample Time: 1311
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-6 **SAMPLE DATE:** 4/19/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

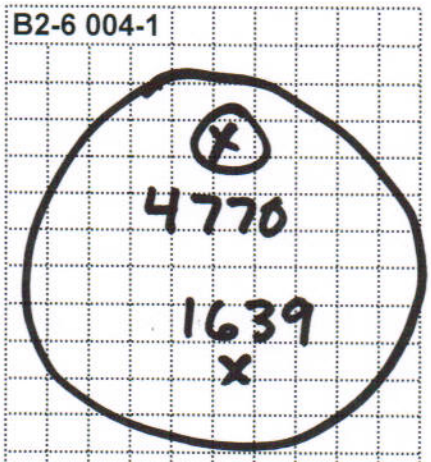
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

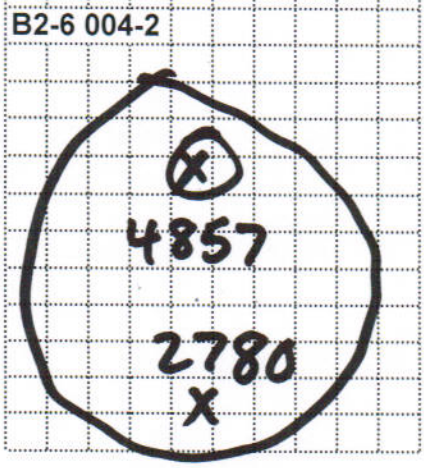
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)
O Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B206004B-0-110419**
- Sample Time: 1314
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

C **OKMN-ES-B206004C-0-110419**
- Sample Time: 1320
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B3-11 **SAMPLE DATE:** 4/19/2011

STOCKPILE NO: 001-2 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 43 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

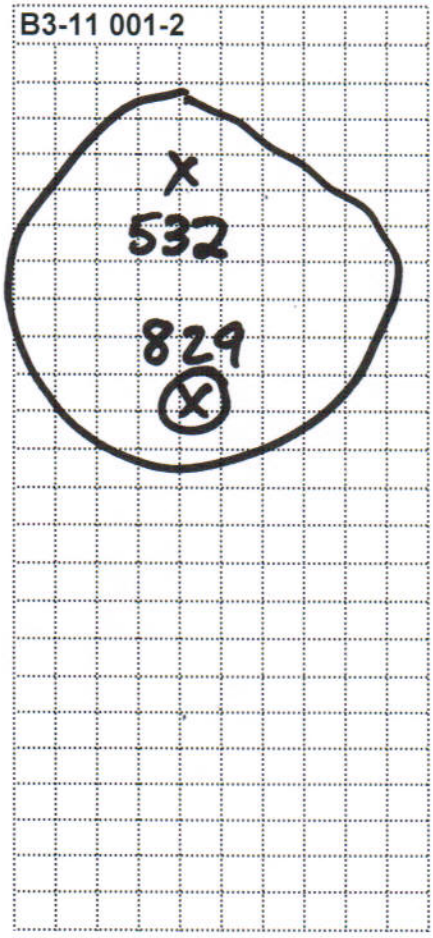
NA (x)

Odor: Strong ( ) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

C **OKMN-ES-B311001C-0-110419**

Sample Time: 1323
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: JH
* Sample collected post conditioning to remove VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: - **SAMPLE DATE:** 4/20/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides

Weather: Clear ( ) Cloudy ( ) Rain/Snow ( ) Windy(X) **TEMP.:** 34 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

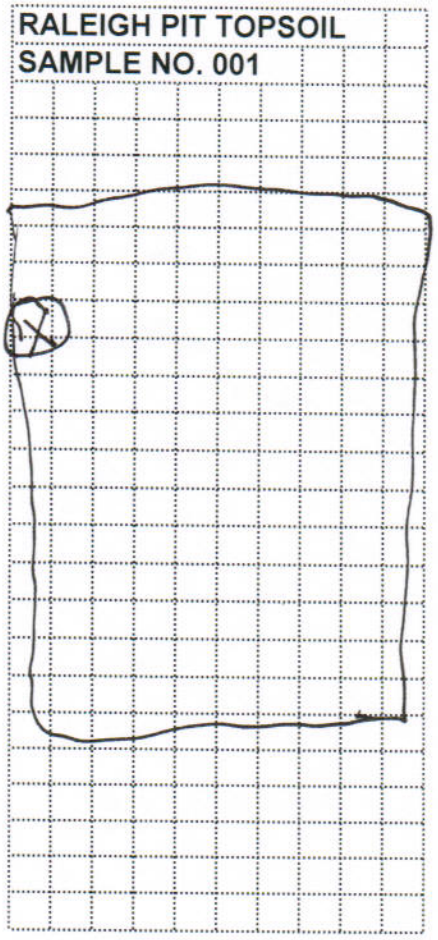
Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

A **OKMN-TSC-RPT001A-0-110420**

Sample Time: 15:50

Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides

Sampled By: WW / MF

B **OKMN-TS-RPT001B-0-110420**

Sample Time: 15:50

Sample Parameters: TCL VOCs

Sampled By: WW / MF

Sample Time:

Sample Parameters:

Sampled By:

Sample Time:

Sample Parameters:

Sampled By:

(X) Composite Location for "A" Sample

Headspace Readings (ppm)

(X) Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: - **SAMPLE DATE:** 4/20/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides

Weather: Clear ( ) Cloudy ( ) Rain/Snow ( ) Windy(X) **TEMP.:** 34 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

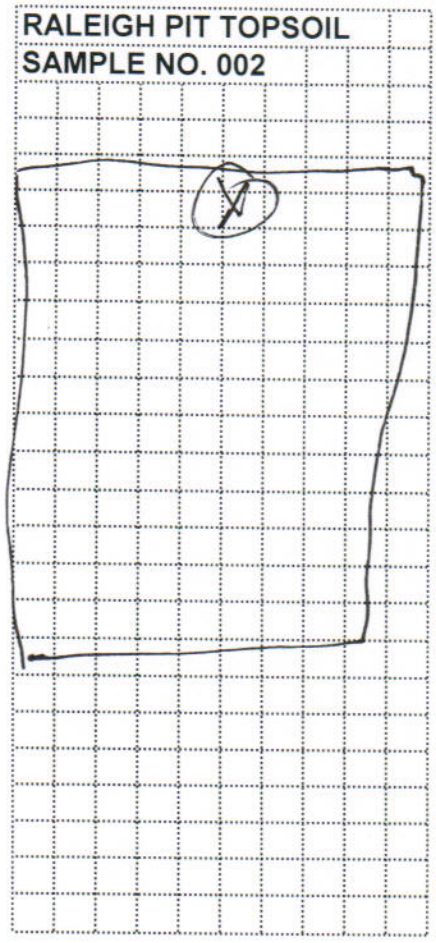
Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

A **OKMN-TSC-RPT002A-0-110420**

Sample Time: 16:00
Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides
Sampled By: WW/MF

B **OKMN-TS-RPT002B-0-110420**

Sample Time: 16:00
Sample Parameters: TCL VOCs
Sampled By: WW/MF

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

(X) Composite Location for "A" Sample
Headspace Readings (ppm)
(X) Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: - **SAMPLE DATE:** 4/20/2011

STOCKPILE NO: - **BLOCK PARAMETERS:** TCL VOCs, PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides

Weather: Clear ( ) Cloudy ( ) Rain/Snow ( ) Windy(X) **TEMP.:** 34 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

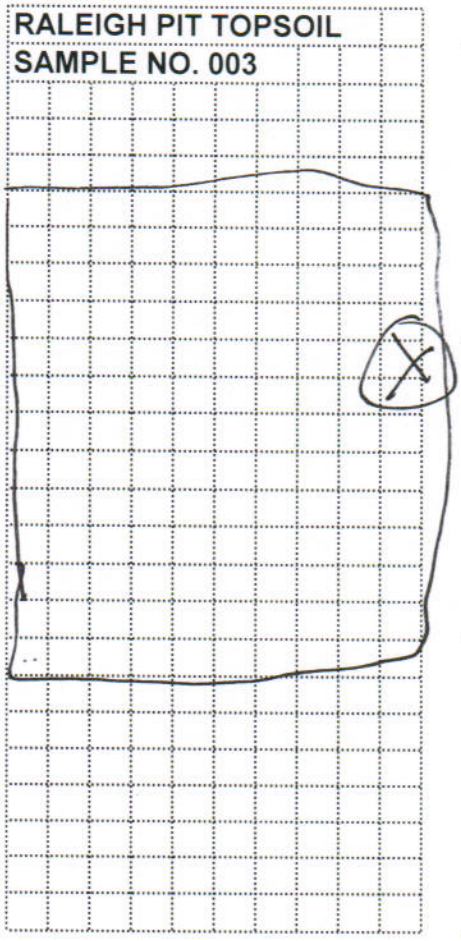
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild ( ) None (X)

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

A **OKMN-TSC-RPT003A-0-110420**

Sample Time: 16:10

Sample Parameters: PCBs, RCRA SVOCs, RCRA Metals, RCRA Herbicides, RCRA Pesticides

Sampled By: WW/MF

B **OKMN-TS-RPT003B-0-110420**

Sample Time: 16:10

Sample Parameters: TCL VOCs

Sampled By: WW/MF

Sample Time:

Sample Parameters:

Sampled By:

Sample Time:

Sample Parameters:

Sampled By:

Composite Location for "A" Sample

Headspace Readings (ppm)

Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **P** (PCBs); **TCLP** (Toxicity Characteric Leaching Procedure); **VOCs** (Volatile Organic Compounds)

BLOCK NO: B2-14 **SAMPLE DATE:** 4/21/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

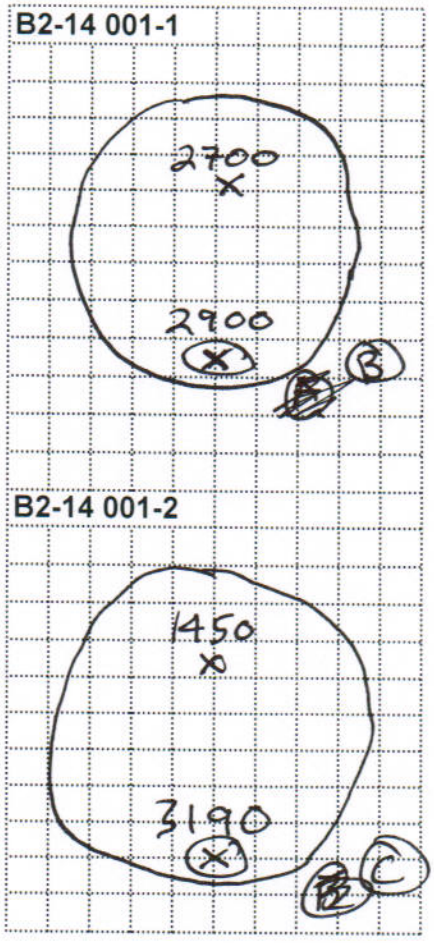
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214001A-0-110421**
Sample Time: 1135
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: MF

B **OKMN-ES-B214001B-0-110421**
OKMN-ES-B214001B-MS-110421
OKMN-ES-B214001B-MSD-110421
Sample Time: 1140 / 1145
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: MF

C **OKMN-ES-B214001C-0-110421**
Sample Time: 1150
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: MF
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-14 **SAMPLE DATE:** 4/21/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

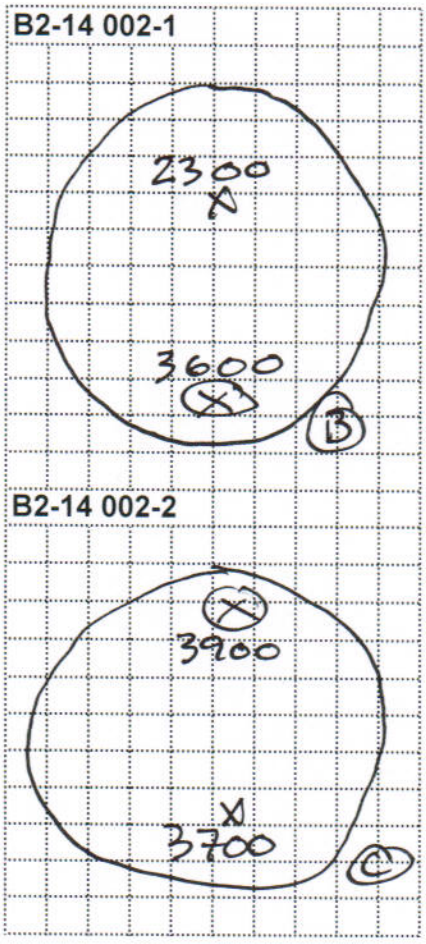
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

X Composite Location for "A" Sample

Headspace Readings (ppm)

(3) Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214002A-0-110421**
OKMN-ESC-B214002A-DB-110421
Sample Time: 1155
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: MF

B **OKMN-ES-B214002B-0-110421**
Sample Time: 1200
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

C **OKMN-ES-B214002C-0-110421**
Sample Time: 1205
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-14 **SAMPLE DATE:** 4/21/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

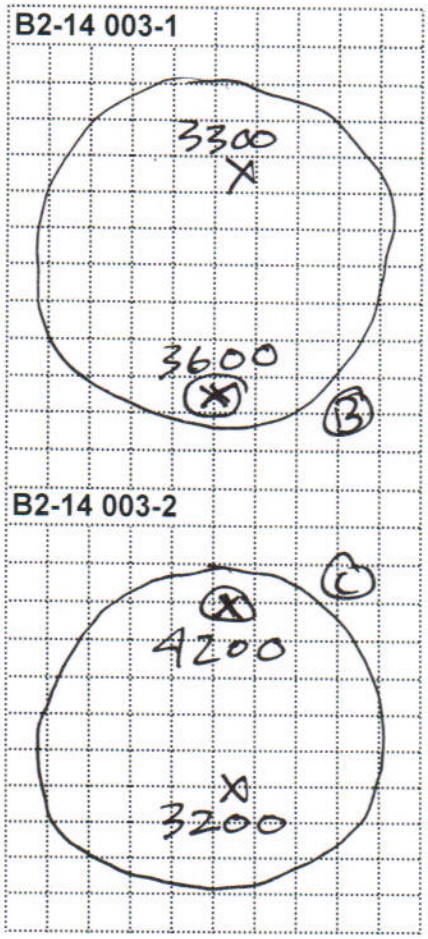
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

X Composite Location for "A" Sample

Headspace Readings (ppm)

Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214003A-0-110421**

Sample Time: 1210
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: MF

B **OKMN-ES-B214003B-0-110421**

Sample Time: 1215
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

C **OKMN-ES-B214003C-0-110421**

Sample Time: 1220
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-14 **SAMPLE DATE:** 4/21/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 46 °F

Stockpile Description (Check all that apply)

(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
(X) Staining

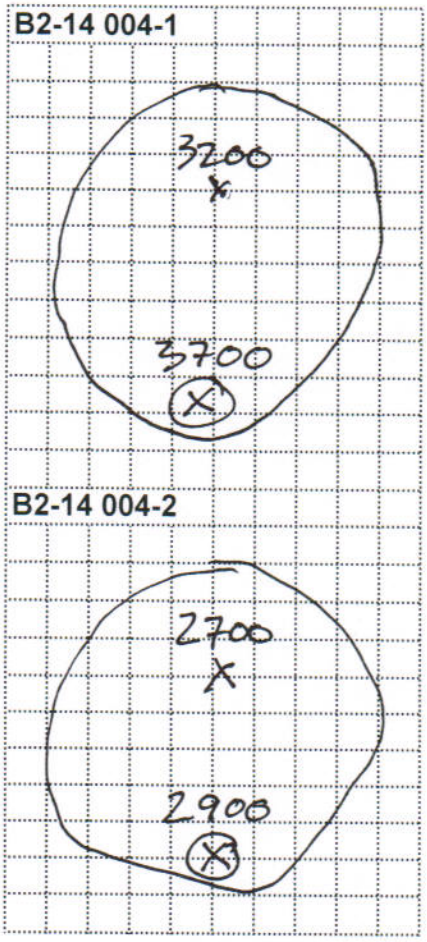
Soil Moisture: ( ) Dry (X) Moist ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
Headspace Readings (ppm)
(X) Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214004A-0-110421**
Sample Time: 1225
Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
Sampled By: MF

B **OKMN-ES-B214004B-0-110421**
OKMN-ES-B214004B-DB-110421
Sample Time: 1230
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

C **OKMN-ES-B214004C-0-110421**
Sample Time: 1235
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By:
Sampled By: MF

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-5 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

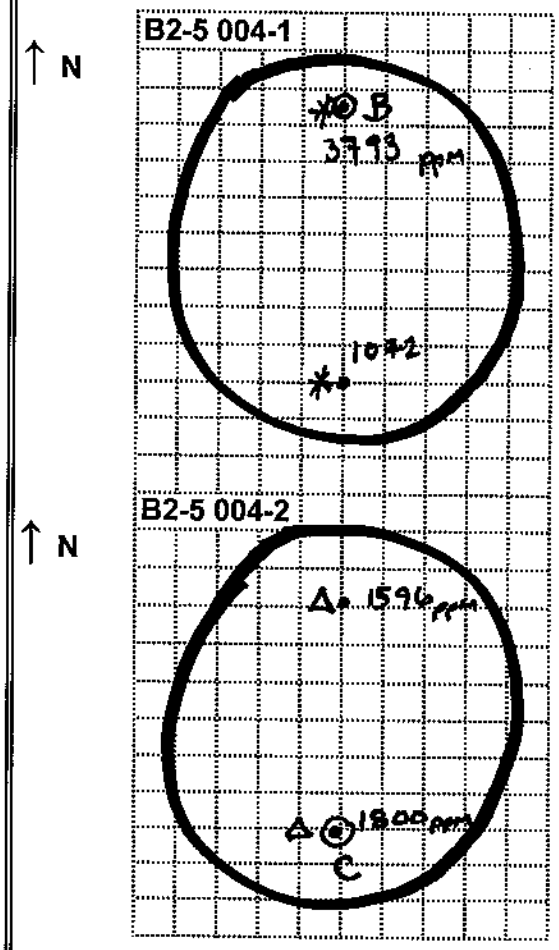
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Composite Location for "D" Sample
Composite Location for "E" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B205004D-0-110427**

Sample Time: 12:48
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

B **OKMN-ES-B205004B-0-110427**

Sample Time: 12:55
Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

E **OKMN-ESC-B205004E-0-110427**

Sample Time: 12:50
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

C **OKMN-ES-B205004C-0-110427**

Sample Time: 13:00
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

RINSATE SAMPLE: **from**

Parameters: TCLP (Toxicity Characteristic Leaching Procedure), 1,1,2-TCA (1,1,2-Trichloroethane), 1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B2-6 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 002-1 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

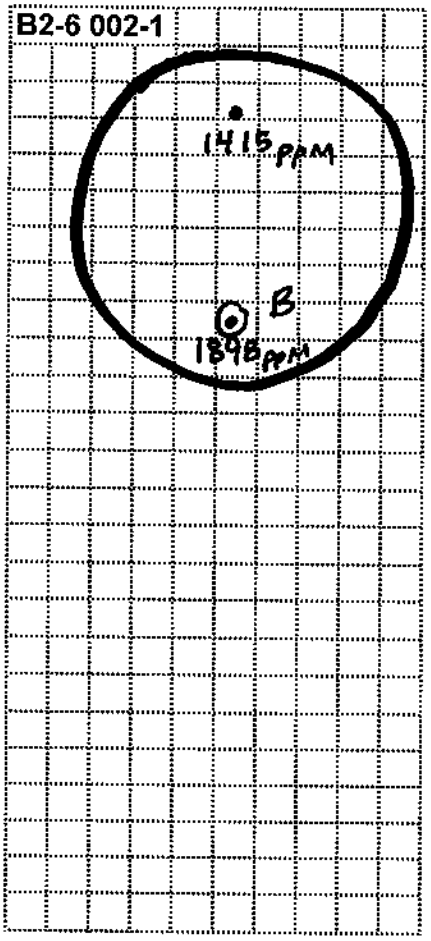
Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



• Headspace Readings (ppm)

⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B206002B-0-110427**

Sample Time: 12:40
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Stockpile Sampled after conditioning to reduce VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

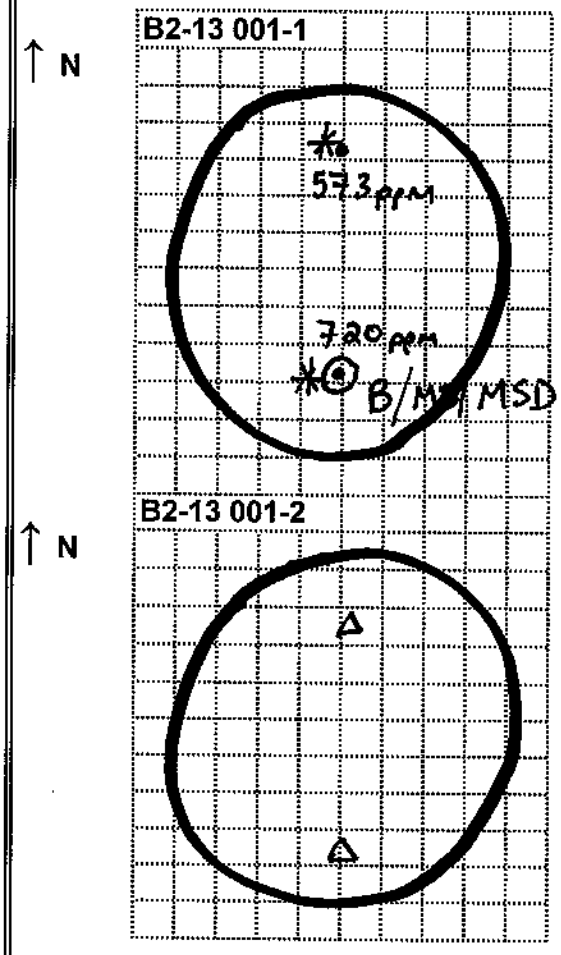
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



SAMPLE DATA

D **OKMN-ESC-B213001D-0-110427**

Sample Time: 12:50
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

B **OKMN-ES-B213001B-0-110427**
OKMN-ES-B213001B-MS-110427
OKMN-ES-B213001B-MSD-110427

Sample Time: 12:55
Sample Parameters: VOCs (1,1,2-TCA and 1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

E **OKMN-ESC-B213001E-0-110427**

Sample Time: 12:45
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

Sample Time:
Sample Parameters:
Sampled By:

- ✱ Composite Location for "D" Sample
- ▷ Composite Location for "E" Sample
- • Headspace Readings (ppm)
- ⊙ Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: TCLP (Toxicity Characteristic Leaching Procedure), 1,1,2-TCA (1,1,2-Trichloroethane), 1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

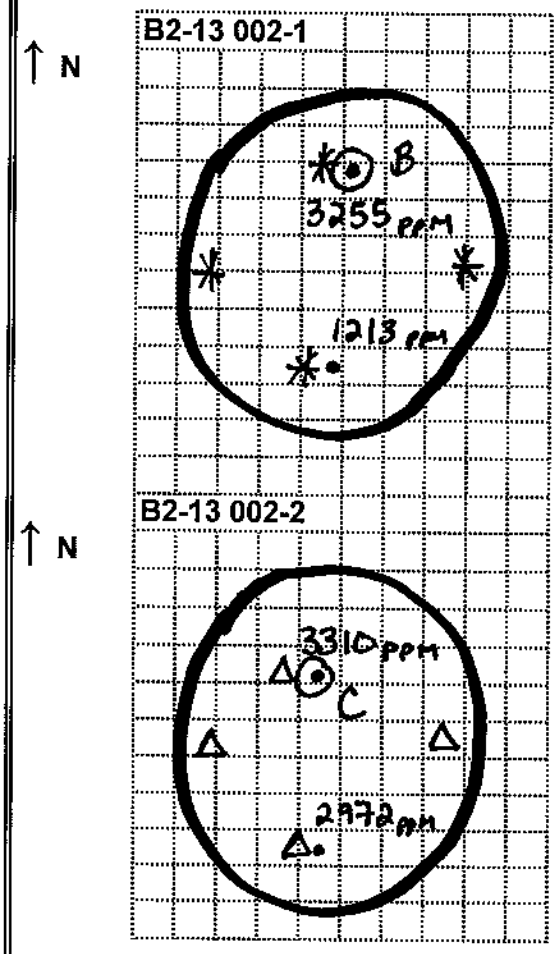
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



Composite Location for "D" Sample
Composite Location for "E" Sample
Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B213002D-0-110427**

Sample Time: 11:55
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

B **OKMN-ES-B213002B-0-110427**

Sample Time: 12:07
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

E **OKMN-ESC-B213002E-0-110427**

Sample Time: 12:00
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

C **OKMN-ES-B213002C-0-110427**

Sample Time: 12:05
Sample Parameters: VOCs (1,1,2-TCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

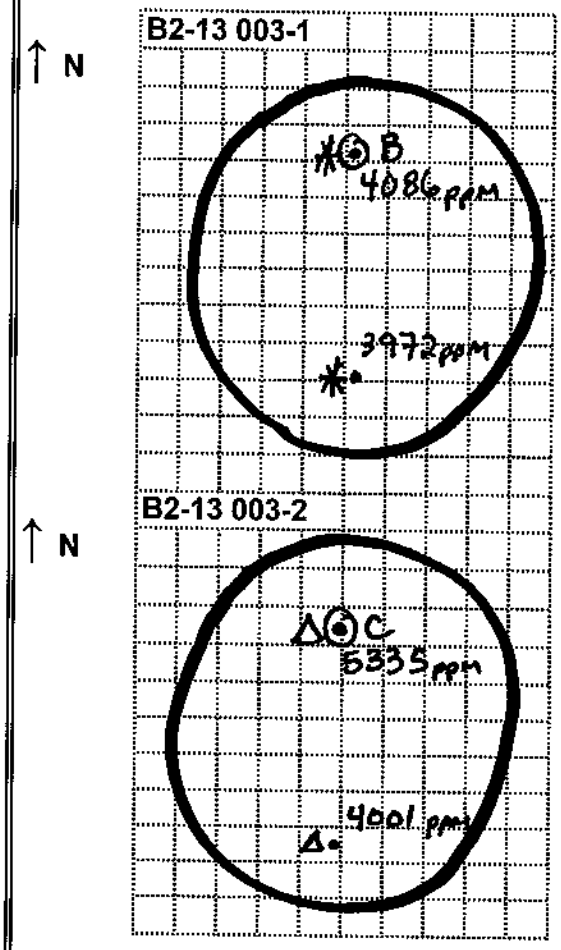
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



✱ Composite Location for "D" Sample
Δ Composite Location for "E" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B213003D-0-110427**

Sample Time: 12:13
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

B **OKMN-ES-B213003B-0-110427**

Sample Time: 12:20
Sample Parameters: VOCs (1,1,2-TCA and 1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

E **OKMN-ESC-B213003E-0-110427**
OKMN-ESC-B213003E-DB-110427

Sample Time: 12:15
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

C **OKMN-ES-B213003C-0-110427**

Sample Time: 12:23
Sample Parameters: VOCs (1,1,2-TCA and 1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

RINSATE SAMPLE: **from**

Parameters: TCLP (Toxicity Characteristic Leaching Procedure), 1,1,2-TCA (1,1,2-Trichloroethane), 1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B2-13 **SAMPLE DATE:** 4/27/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy( ) **TEMP.:** 40 °F

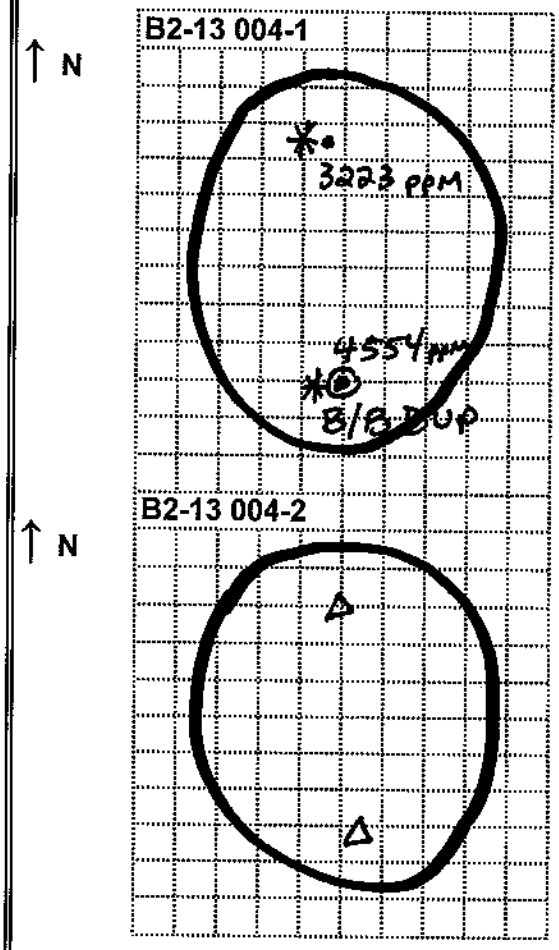
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- ( ) Moist
- (X) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



SAMPLE DATA

D **OKMN-ESC-B213004D-0-110427**

Sample Time: 12:25
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

B **OKMN-ES-B213004B-0-110427**
OKMN-ES-B213004B-DB-110427

Sample Time: 12:32
Sample Parameters: VOCs (1,1,2-TCA and 1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

E **OKMN-ESC-B213004E-0-110427**

Sample Time: 12:28
Sample Parameters: TCLP VOCs(TCE Only)
Sampled By: R. McLoughlin / W. Westley
Stockpile Sampled after conditioning to reduce VOCs

___

Sample Time:
Sample Parameters:
Sampled By:

- ✱ Composite Location for "D" Sample
- △ Composite Location for "E" Sample
- • Headspace Readings (ppm)
- ⊙ Sample Location for VOCs

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B2-14 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 005 **BLOCK PARAMETERS:** TCLP VOCs (1,2 -DCA and TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

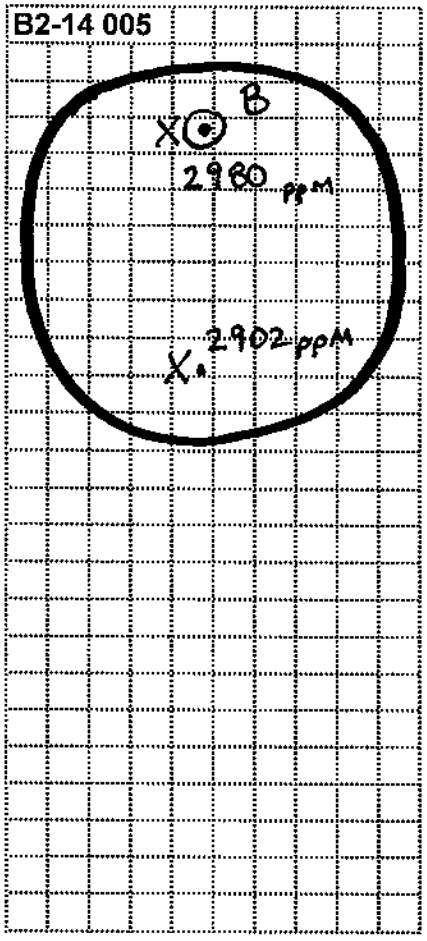
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214005A-0-110429**
- Sample Time: 12:10
- Sample Parameters: TCLP VOCs(1,2-DCA and TCE Only)
- Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B214005B-0-110429**
- Sample Time: 12:12
- Sample Parameters: VOCs (1,1,2-TCA, 1,2-DCA & TCE)
- Sampled By: R. McLoughlin / W. Westley

___
- Sample Time:
- Sample Parameters:
- Sampled By:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B3-5 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** PCBs, TCLP VOCs (1,2-DCA and TCE Only), VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

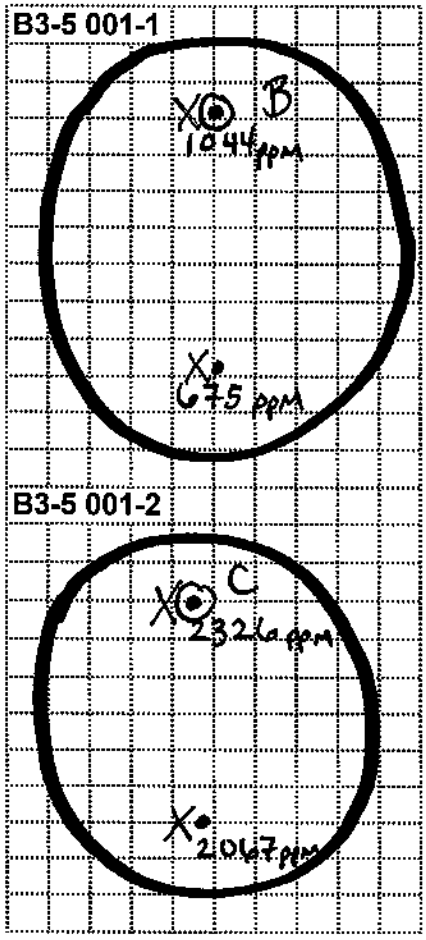
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B305001A-0-110429**

Sample Time: 11:30
Sample Parameters: PCBs, TCLP VOCs (1,2-DCA and TCE Only)
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B305001B-0-110429**

Sample Time: 11:35
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B305001C-0-110429**

Sample Time: 11:37
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: PCBs (Polychlorinated biphenyls), TCLP (Toxicity Characteristic Leaching Procedure)
1,2-DCA (1,2-Dichloroethane), TCE (Trichloroethene)

BLOCK NO: B3-5 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** PCBs, TCLP VOCs (1,2-DCA and TCE Only), VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

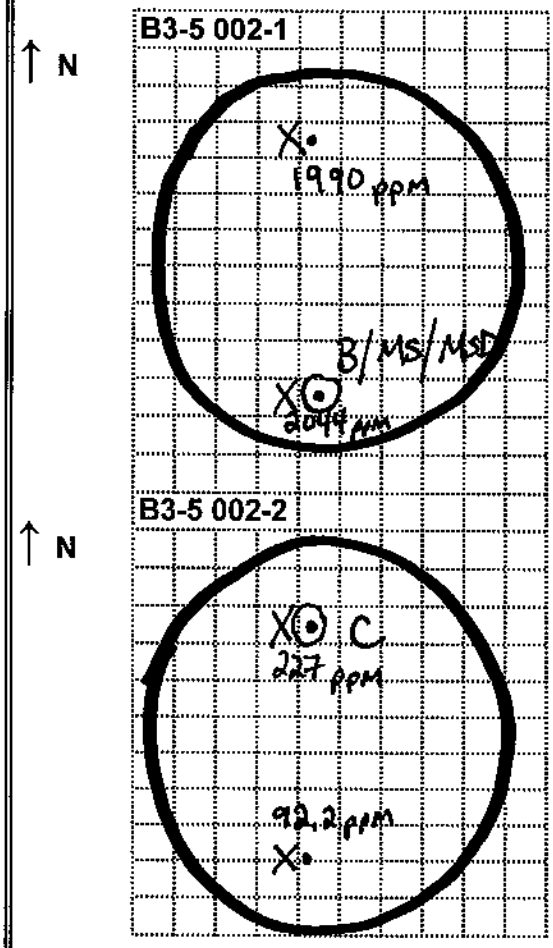
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B305002A-0-110429**

Sample Time: 11:30
Sample Parameters: PCBs, TCLP VOCs (1,2-DCA and TCE Only)
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B305002B-0-110429**
OKMN-ES-B305002B-MS-110429
OKMN-ES-B305002B-MSD-110429

Sample Time: 11:35
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B305002C-0-110429**

Sample Time: 11:37
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **TCLP** (Toxicity Characteristic Leaching Procedure)
1,2-DCA (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B3-5 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** PCBs, TCLP VOCs (1,2-DCA and TCE Only), VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

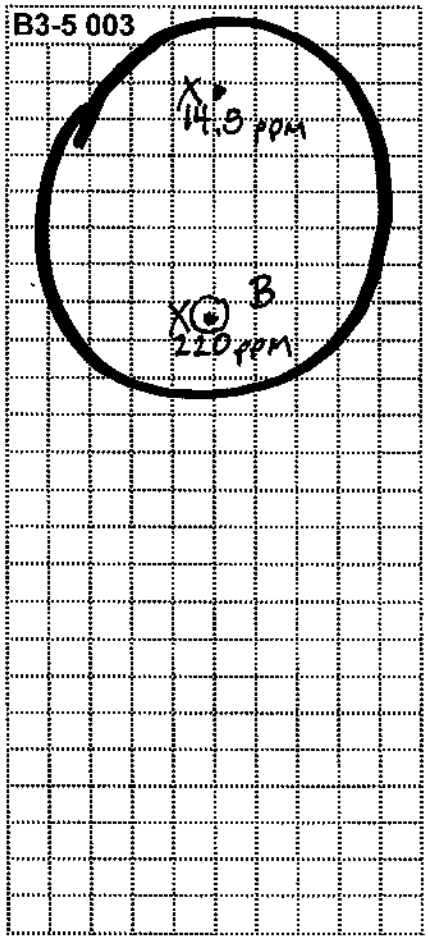
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B305003A-0-110429**

Sample Time: 12:05
Sample Parameters: PCBs, TCLP VOCs (1,2-DCA and TCE Only)
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B305003B-0-110429**

Sample Time: 12:07
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **TCLP** (Toxicity Characteristic Leaching Procedure)
1,2-DCA (1,2-Dichloroethane), **TCE** (Trichloroethene)

BLOCK NO: B3-13 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

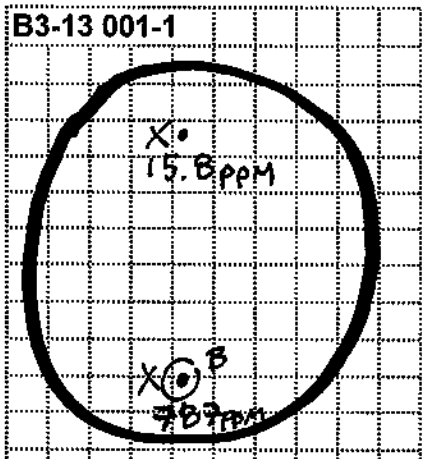
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

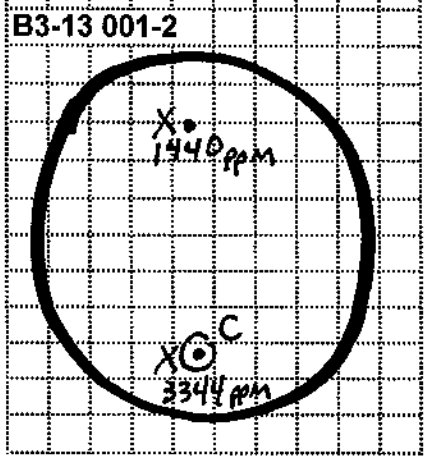
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B313001A-0-110429**

Sample Time: 12:25
Sample Parameters: PCBs
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B313001B-0-110429**

Sample Time: 12:30
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B313001C-0-110429**

Sample Time: 12:32
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B3-13 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

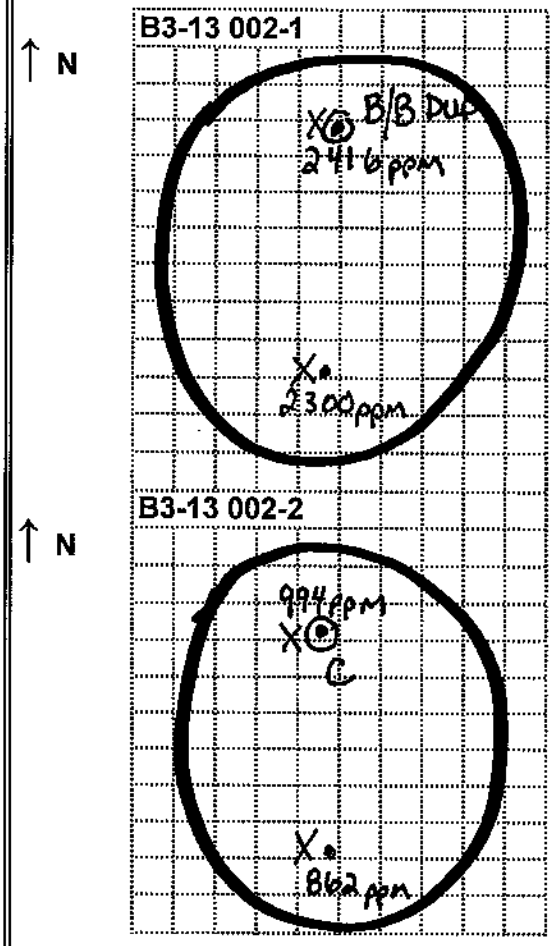
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B313002A-0-110429**

Sample Time: 12:25
Sample Parameters: PCBs
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B313002B-0-110429**
OKMN-ES-B313002B-DB-110429

Sample Time: 12:30
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B313002C-0-110429**

Sample Time: 12:32
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: PCBs (Polychlorinated biphenyls), 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B3-13 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

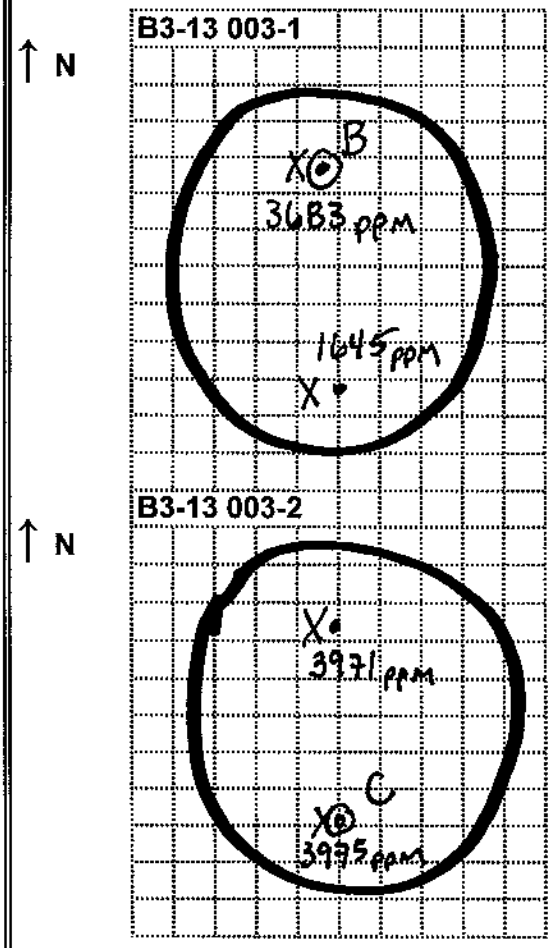
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B313003A-0-110429**

Sample Time: 12:35
Sample Parameters: PCBs
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B313003B-0-110429**

Sample Time: 12:40
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B313003C-0-110429**

Sample Time: 12:42
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane).

BLOCK NO: B3-19 **SAMPLE DATE:** 4/29/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 58 °F

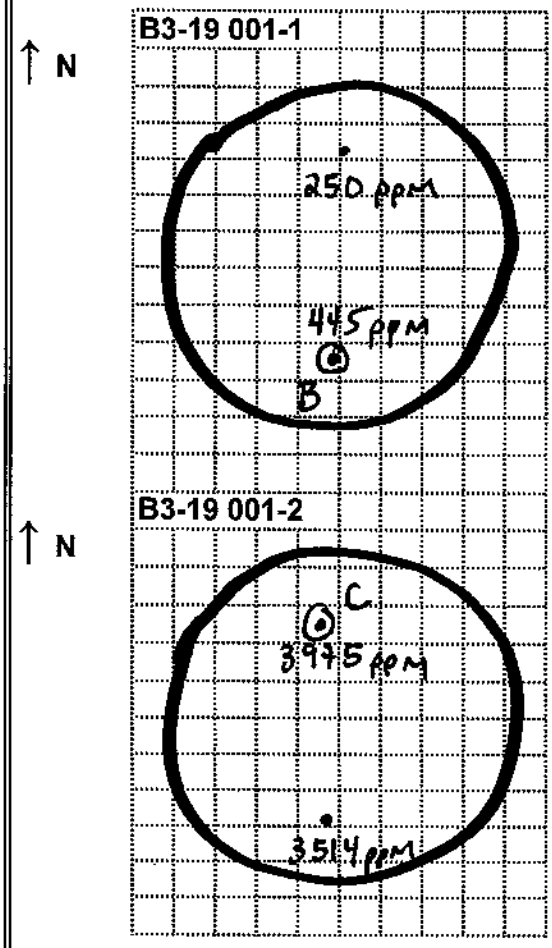
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Composite Location for "A" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B319001A-0-110429**
OKMN-ESC-B319001A-DB-110429
Sample Time: 12:00
Sample Parameters: PCBs
Sampled By: R. McLoughlin / W. Westley

B **OKMN-ES-B319001B-0-110429**
Sample Time: 12:05
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

C **OKMN-ES-B319001C-0-110429**
Sample Time: 12:07
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By: R. McLoughlin / W. Westley

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B3-14 **SAMPLE DATE:** 5/2/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 37 °F

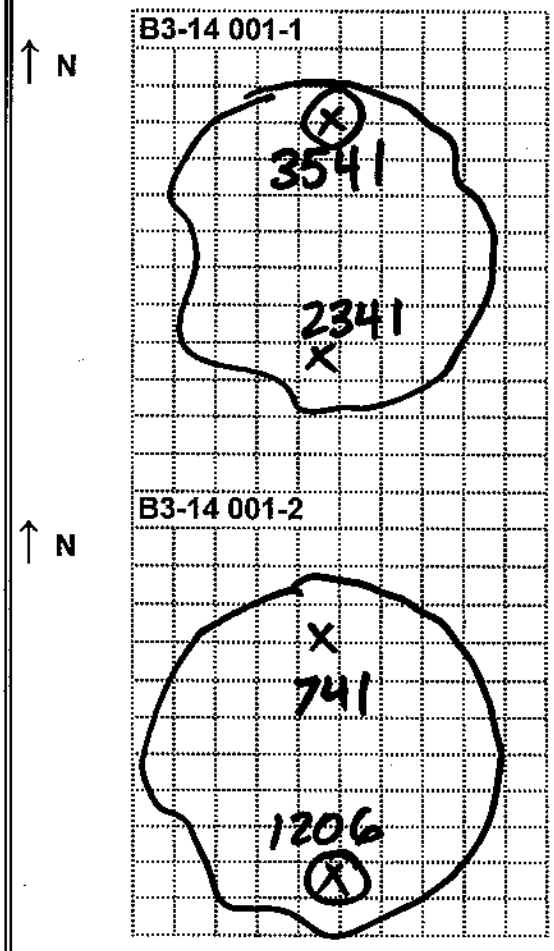
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B OKMN-ES-B314001B-0-110502

Sample Time: 1403
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS

C OKMN-ES-B314001C-0-110502

Sample Time: 1405
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B3-14 **SAMPLE DATE:** 5/2/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 37 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

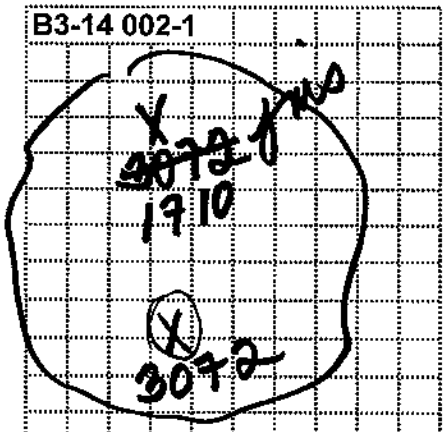
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

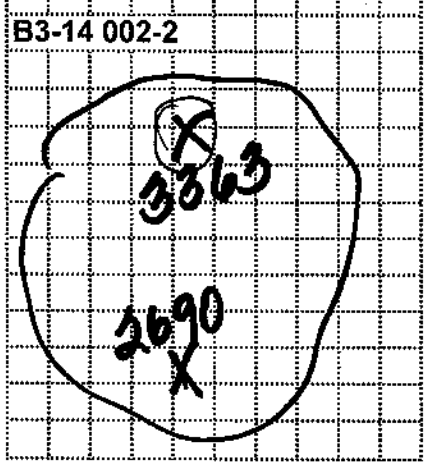
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B314002B-0-110502**

Sample Time: 1420
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:

C **OKMN-ES-B314002C-0-110502**

Sample Time: 1422
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B2-14 **SAMPLE DATE:** 5/2/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 37 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

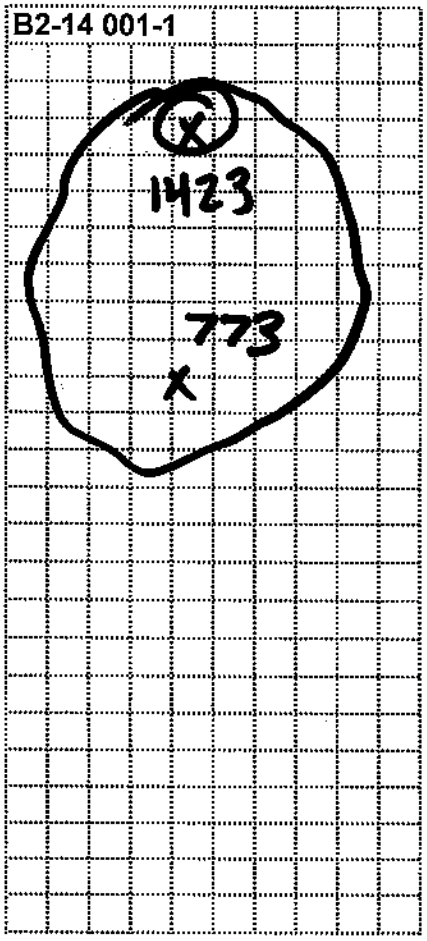
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Headspace Readings (ppm)

Sample Location for VOCs

SAMPLE DATA

B OKMN-ES-B214001B-0-110502

Sample Time: 1434
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS
** Stockpile sampled after conditioning to reduce VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane),

BLOCK NO: B2-14 **SAMPLE DATE:** 5/2/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 37 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

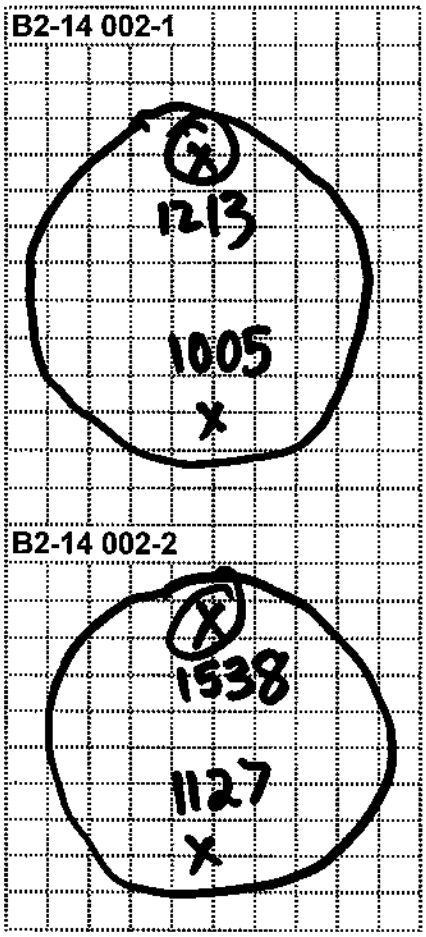
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B214002B-0-110502**
OKMN-ES-B214002B-DB-110502
Sample Time: 1436
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS
** Stockpile sampled after conditioning to reduce VOCs

C **OKMN-ES-B214002C-0-110502**
Sample Time: 1439
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS
** Stockpile sampled after conditioning to reduce VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO:	B2-14	**SAMPLE DATE:**	5/2/2011
STOCKPILE NO:	003	**BLOCK PARAMETERS:**	TCLP VOCs (TCE Only), VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 87 °F

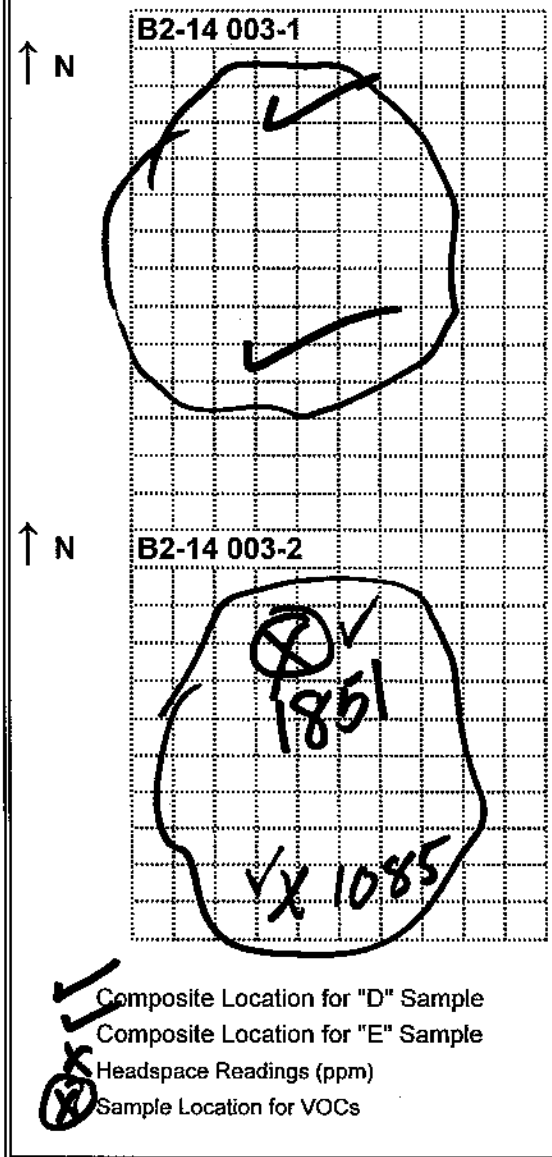
Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.



✓ Composite Location for "D" Sample
✓ Composite Location for "E" Sample
X Headspace Readings (ppm)
(X) Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B214003D-0-110502**
- Sample Time: 1445
- Sample Parameters: TCLP VOCs (TCE Only)
- Sampled By: JH, JS

** Stockpile sampled after conditioning to reduce VOCs

E **OKMN-ESC-B214003E-0-110502**
- Sample Time: 1446
- Sample Parameters: TCLP VOCs (TCE Only)
- Sampled By: JH, JS

** Stockpile sampled after conditioning to reduce VOCs

C **OKMN-ES-B214003C-0-110502**
OKMN-ES-B214003C-MS-110502
OKMN-ES-B214003C-MSD-110502
- Sample Time: 1450
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: JH, JS

** Stockpile sampled after conditioning to reduce VOCs

- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: TCLP (Toxicity Characteristic Leaching Procedure), TCE (Trichloroethene), 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B2-14 **SAMPLE DATE:** 5/2/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear ( ) Cloudy (X) Rain/Snow ( ) Windy(X) **TEMP.:** 37 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- ( ) Mfg. Debris
- ( ) Staining

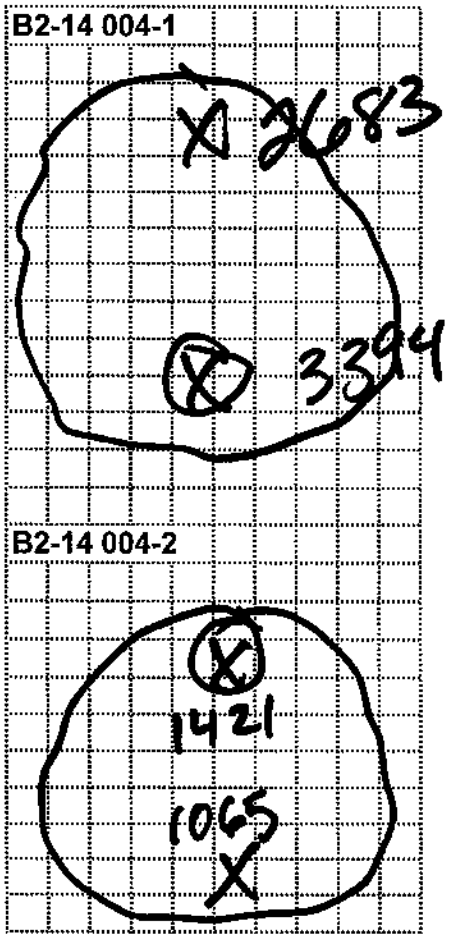
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N

X Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B214004B-0-110502**

Sample Time: 1450
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS
** Stockpile sampled after conditioning to reduce VOCs

C **OKMN-ES-B214004C-0-110502**

Sample Time: 1454
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: JH, JS
** Stockpile sampled after conditioning to reduce VOCs

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: 1,2-DCA (1,2-Dichloroethane),

BLOCK NO: B3-6 **SAMPLE DATE:** 5/4/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 65 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

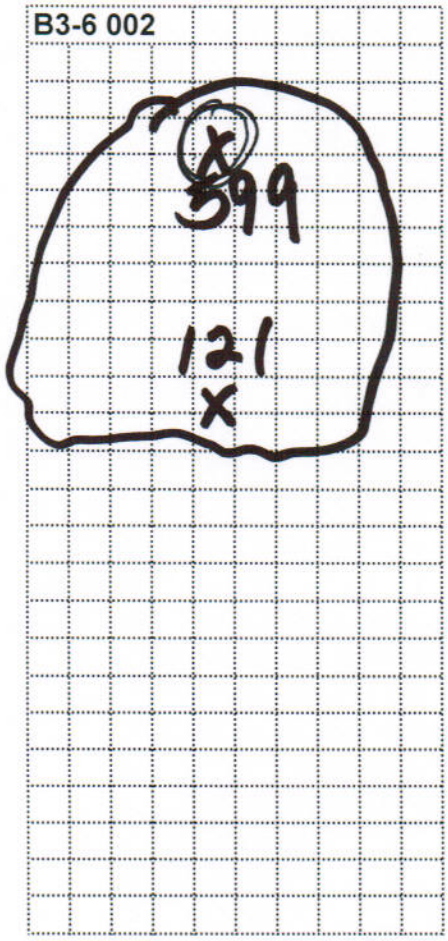
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "A" Sample
Headspace Readings (ppm)
(X) Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B306002A-0-110504**
- Sample Time: 11:27
- Sample Parameters: PCBs
- Sampled By: MF/JS

B **OKMN-ES-B306002B-0-110504**
- Sample Time: 11:27
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By: MF/JS

___
- Sample Time:
- Sample Parameters:
- Sampled By:

___
- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B3-6 **SAMPLE DATE:** 5/4/2011

STOCKPILE NO: 001 **BLOCK PARAMETERS:** PCBs, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 65 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

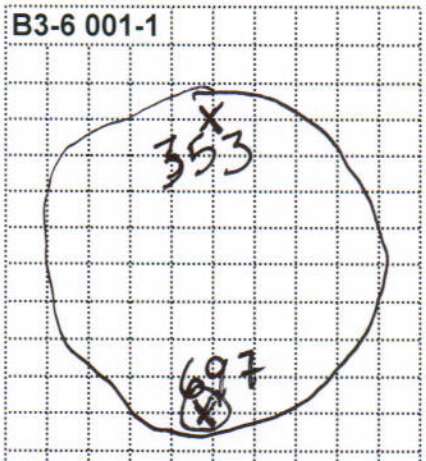
Soil Moisture:
- ( ) Dry
- (X) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

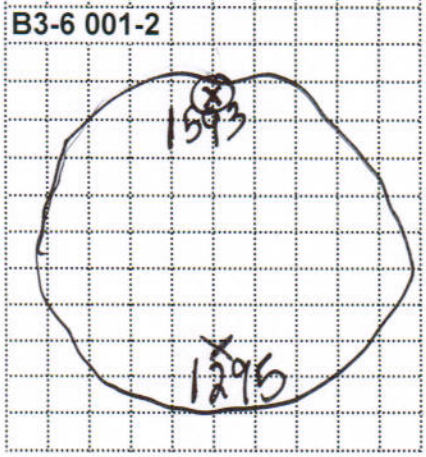
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



X Composite Location for "A" Sample

Headspace Readings (ppm)

⊗ Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B306001A-0-110504**

Sample Time: 11:15
Sample Parameters: PCBs
Sampled By:

B **OKMN-ES-B306001B-0-110504**

Sample Time: 11:15
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:

C **OKMN-ES-B306001C-0-110504**

Sample Time: 11:17
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **PCBs** (Polychlorinated biphenyls), **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-5 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** pH, TCLP VOCs (TCE Only), VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

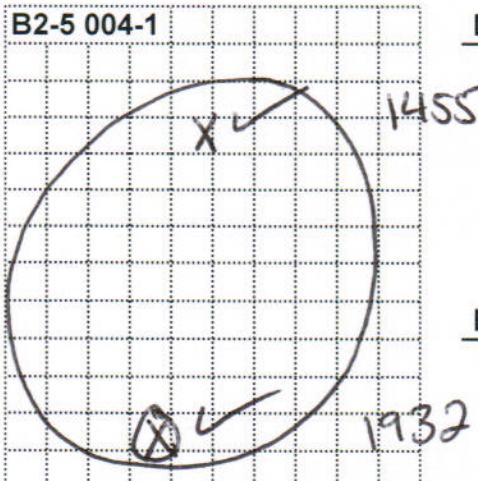
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

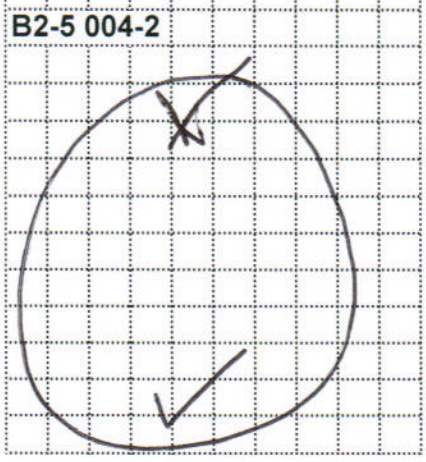
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



✓ Composite Location for "D" Sample
✓ Composite Location for "E" Sample
X Headspace Readings (ppm)
(X) Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B205004D-0-110510**
Sample Time: 10:52
Sample Parameters: TCLP VOCs (TCE Only), pH
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

B **OKMN-ES-B205004B-0-110510**
Sample Time: 10:55
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

E **OKMN-ESC-B205004E-0-110510**
OKMN-ESC-B205004E-DB-110510
Sample Time: 10:45
Sample Parameters: TCLP VOC (TCE Only), pH
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene) **LKD** (Lime Kiln Dust)

BLOCK NO: B2-13 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 002 **BLOCK PARAMETERS:** pH, TCLP VOCs (TCE Only), VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

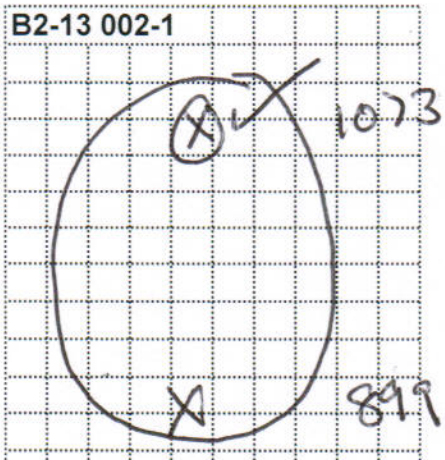
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

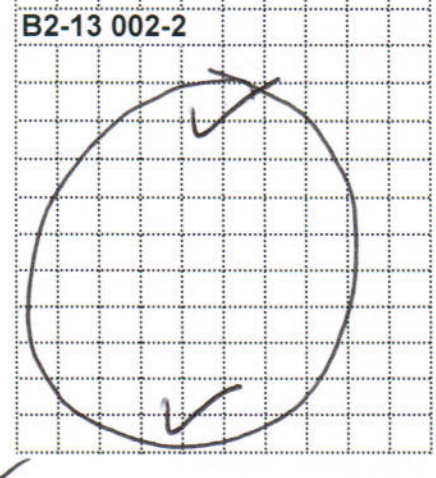
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



✓ Composite Location for "E" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B213002D-0-110510**
- Sample Time: 11:10
- Sample Parameters: pH
- Sampled By:

**Stockpile sampled after conditioning and addition of LKD

B **OKMN-ES-B213002B-0-110510**
- Sample Time: 11:15
- Sample Parameters: VOCs (1,2-DCA Only)
- Sampled By:

**Stockpile sampled after conditioning and addition of LKD

E **OKMN-ESC-B213002E-0-110510**
- Sample Time: 11:15
- Sample Parameters: TCLP VOCs (TCE Only), pH
- Sampled By:

**Stockpile sampled after conditioning and addition of LKD

- Sample Time:
- Sample Parameters:
- Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene) **LKD** (Lime Kiln Dust)

BLOCK NO: B2-13 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 003 **BLOCK PARAMETERS:** pH, TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, and 1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

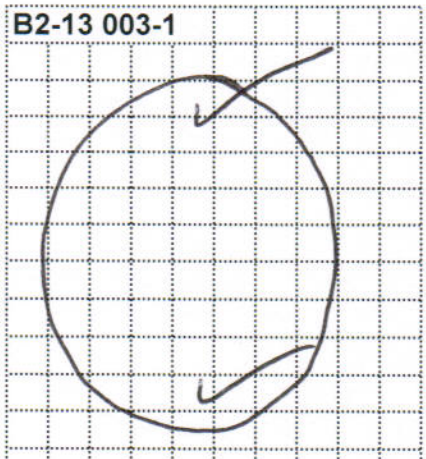
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

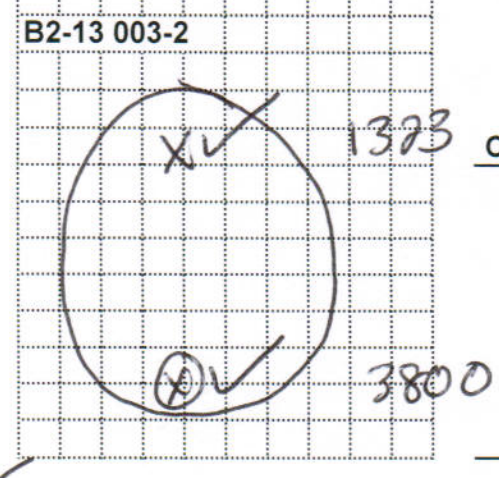
1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



↑ N



✓ Composite Location for "D" Sample
✓ Composite Location for "E" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B213003D-0-110510**
Sample Time: 11:30
Sample Parameters: pH, TCLP VOCs (TCE Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

E **OKMN-ESC-B213003E-0-110510**
Sample Time: 11:30
Sample Parameters: pH, TCLP VOCs (TCE Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

C **OKMN-ES-B213001C-0-110510**
OKMN-ES-B213001C-DB-110510
Sample Time: 11:35
Sample Parameters: VOCs (1,1,2-TCA, and 1,2-DCA Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene), **LKD** (Lime Kiln Dust)

BLOCK NO: B2-13 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 004 **BLOCK PARAMETERS:** pH, TCLP VOCs (TCE Only), VOCs (1,1,2-TCA, 1,2-DCA and TCE Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

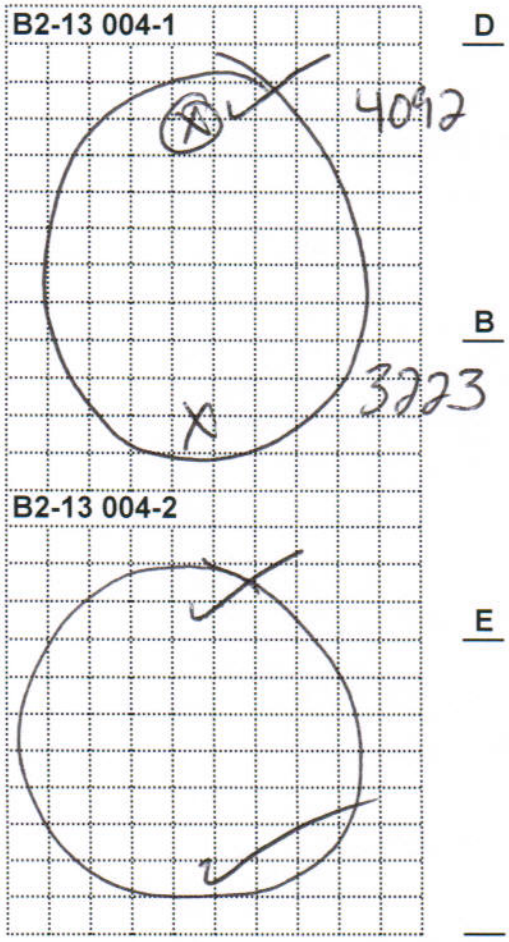
Soil Moisture: (X) Dry ( ) Moist ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



SAMPLE DATA

D **OKMN-ESC-B213004D-0-110510**
Sample Time: 11:40
Sample Parameters: pH, TCLP VOCs (TCE Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

B **OKMN-ES-B213004B-0-110510**
OKMN-ES-B213004B-MS-110510
OKMN-ES-B213004B-MSD-110510
Sample Time: 11:45
Sample Parameters: VOCs (1,1,2-TCA and 1,2-DCA Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

E **OKMN-ESC-B213004E-0-110510**
Sample Time: 11:50
Sample Parameters: pH, TCLP VOCs (TCE Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

✓ Composite Location for "A" Sample
X Headspace Readings (ppm)
⊗ Sample Location for VOCs

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,1,2-TCA** (1,1,2-Trichloroethane), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene), **LKD** (Lime Kiln Dust)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 005 **BLOCK PARAMETERS:** pH, TCLP VOCs (1,2 -DCA and TCE Only), VOCs (,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

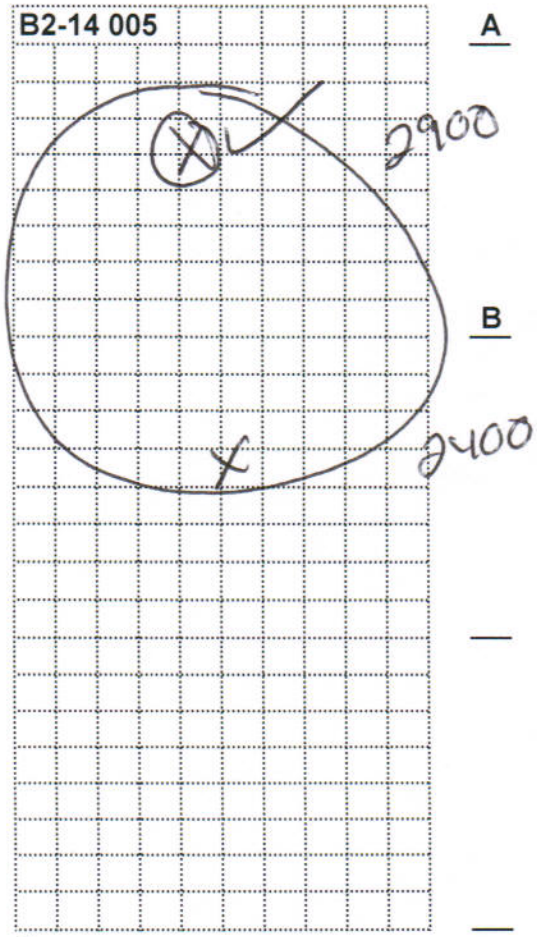
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



✓ Composite Location for "A" Sample
X Headspace Readings (ppm)
X Sample Location for VOCs

SAMPLE DATA

A **OKMN-ESC-B214005A-0-110510**

Sample Time: 11:05
Sample Parameters: pH, TCLP VOCs(1,2-DCA and TCE Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

B **OKMN-ES-B214001B-0-110510**

Sample Time: 11:10
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **TCLP** (Toxicity Characteristic Leaching Procedure), **1,2-DCA** (1,2-Dichloroethane), **TCE** (Trichloroethene) **LKD** (Lime Kiln Dust)

BLOCK NO: B3-19 **SAMPLE DATE:** 5/10/2011

STOCKPILE NO: 001-2 **BLOCK PARAMETERS:** pH, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 72 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- ( ) Staining

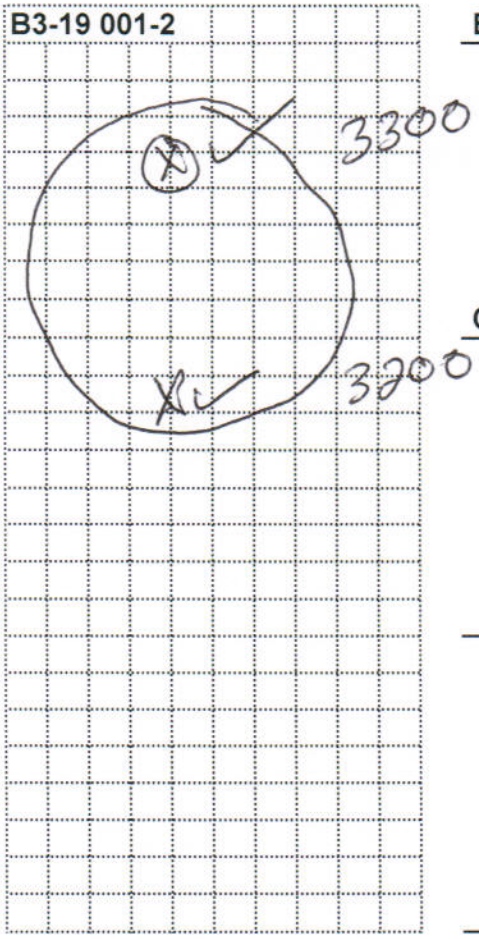
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



Headspace Readings (ppm)
Sample Location for VOCs

SAMPLE DATA

E **OKMN-ESC-B319001E-0-110510**

Sample Time: 11:10
Sample Parameters: pH
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

C **OKMN-ES-B319001C-0-110510**

Sample Time: 11:05
Sample Parameters: VOCs(1,2-DCA Only)
Sampled By:
**Stockpile sampled after conditioning and addition of LKD

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane), **LKD** (Lime Kiln Dust)

BLOCK NO: B2-13 **SAMPLE DATE:** 5/18/2011

STOCKPILE NO: 003-2 **BLOCK PARAMETERS:** pH, VOCs (1,1,2-TCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 66 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

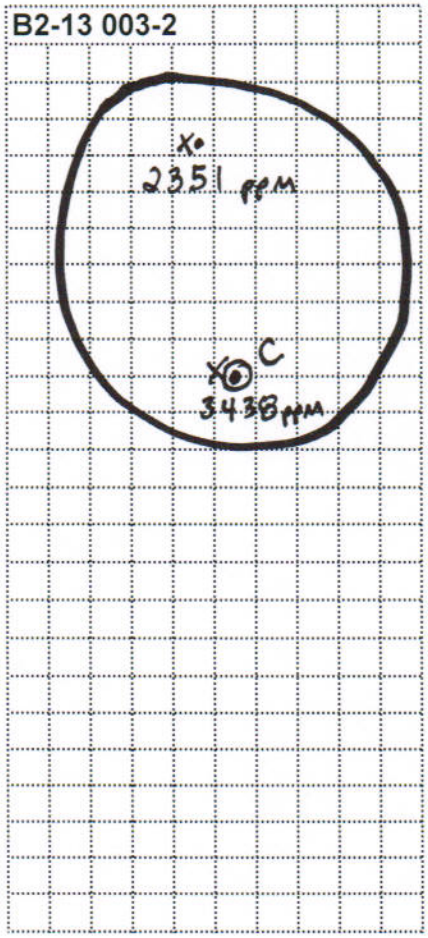
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "E" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

E **OKMN-ESC-B213003E-0-110518**

Sample Time: 11:35
Sample Parameters: pH
Sampled By: R. McLoughlin

C **OKMN-ES-B213003C-0-110518**

Sample Time: 11:42
Sample Parameters: VOCs (1,1,2-TCA Only)
Sampled By: R. McLoughlin

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,1,2-TCA** (1,1,2-Trichloroethane)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/18/2011

STOCKPILE NO: 001-1 **BLOCK PARAMETERS:** pH, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 66 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

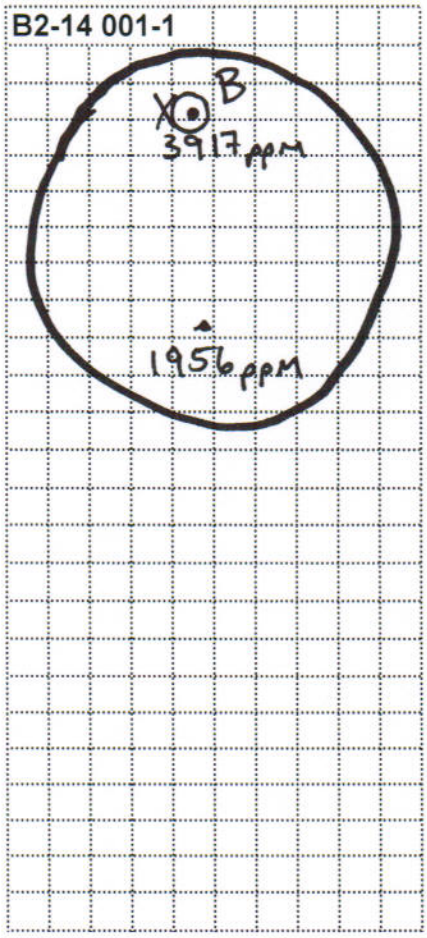
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "D" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B214001D-0-110518**
OKMN-ESC-B214001D-DB-110518
Sample Time: 11:08
Sample Parameters: pH
Sampled By: R. McLoughlin

B **OKMN-ES-B214001B-0-110518**
Sample Time: 11:14
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/18/2011

STOCKPILE NO: 002-1 **BLOCK PARAMETERS:** pH, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 66 °F

Stockpile Description (Check all that apply)

(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
(X) Staining

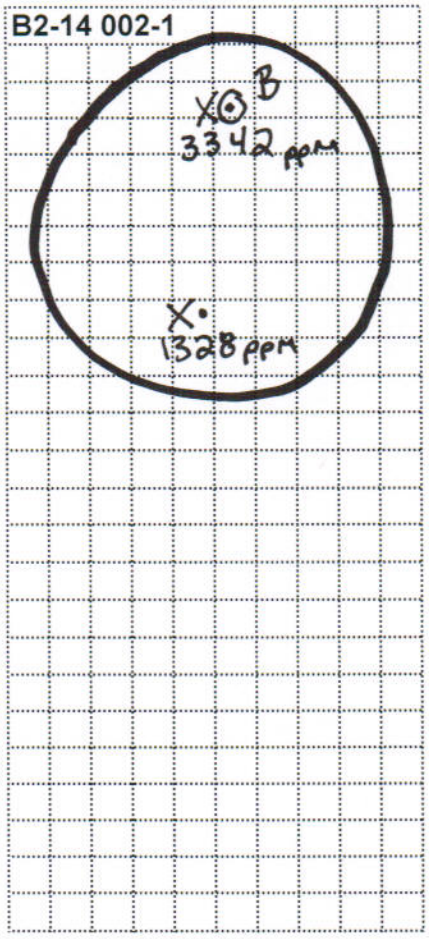
Soil Moisture: (X) Dry
( ) Moist
( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "D" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B214002D-0-110518**

Sample Time: 11:10
Sample Parameters: pH
Sampled By: R. McLoughlin

B **OKMN-ES-B214002B-0-110518**

Sample Time: 11:16
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

___

Sample Time:
Sample Parameters:
Sampled By:

___

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/18/2011

STOCKPILE NO: 003-2 **BLOCK PARAMETERS:** pH, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 66 °F

Stockpile Description (Check all that apply)
- (X) Soil
- ( ) C&D Debris (Concrete, Asphalt, etc)
- (X) Mfg. Debris
- (X) Staining

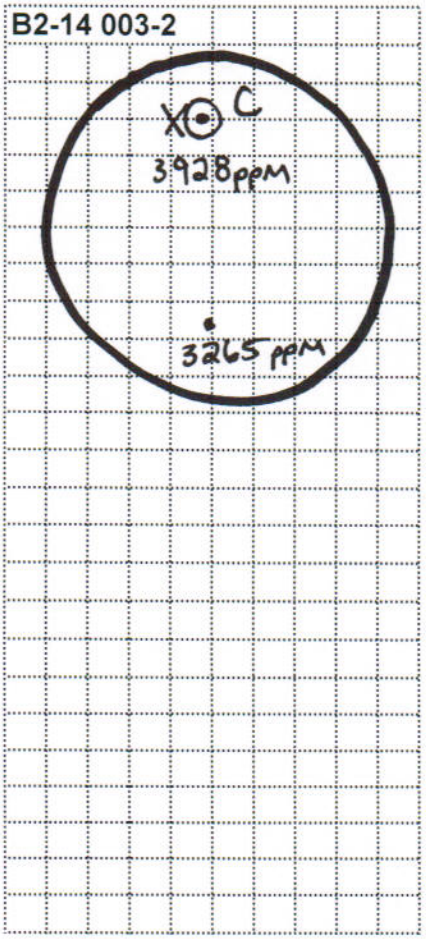
Soil Moisture:
- (X) Dry
- ( ) Moist
- ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "E" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

E **OKMN-ESC-B214003E-0-110518**

Sample Time: 11:23
Sample Parameters: pH
Sampled By: R. McLoughlin

C **OKMN-ES-B214003C-0-110518**

Sample Time: 11:28
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/18/2011

STOCKPILE NO: 004-1 **BLOCK PARAMETERS:** pH, VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 66 °F

Stockpile Description (Check all that apply)

(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
(X) Staining

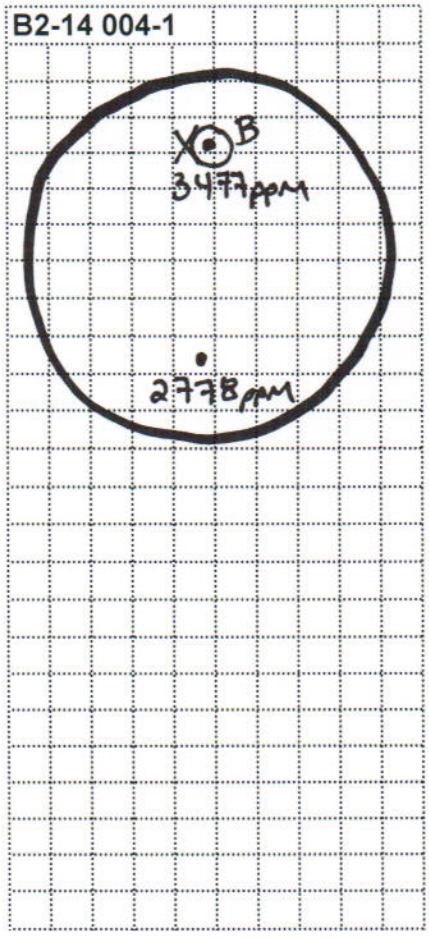
Soil Moisture: (X) Dry ( ) Moist ( ) Wet

Odor: Strong (X) Mild ( ) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



X Composite Location for "D" Sample
• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

D **OKMN-ESC-B214004D-0-110518**

Sample Time: 11:25
Sample Parameters: pH
Sampled By: R. McLoughlin

B **OKMN-ES-B214004B-0-110518**

Sample Time: 11:30
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

BLOCK NO: B2-14 **SAMPLE DATE:** 5/26/2011

STOCKPILE NO: 004-1 **BLOCK PARAMETERS:** VOCs (1,2-DCA Only)

Weather: Clear (X) Cloudy ( ) Rain/Snow ( ) Windy( ) **TEMP.:** 48 °F

Stockpile Description (Check all that apply)
(X) Soil
( ) C&D Debris (Concrete, Asphalt, etc)
(X) Mfg. Debris
(X) Staining

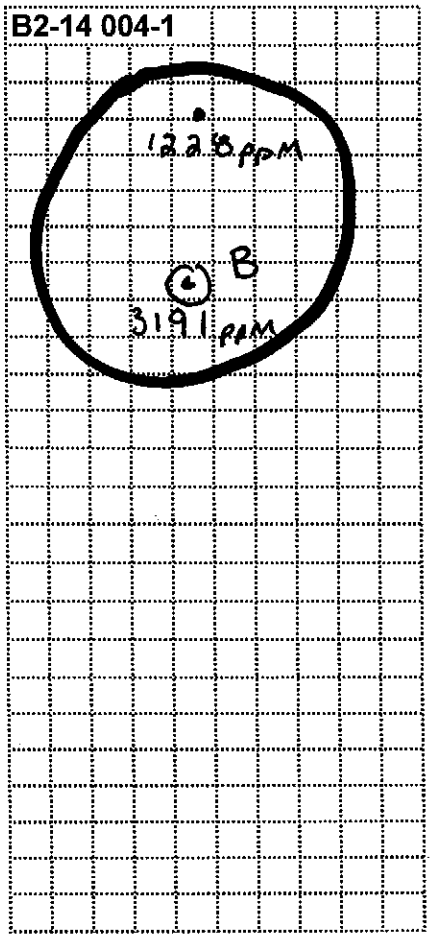
Soil Moisture: (X) Dry
( ) Moist
( ) Wet

Odor: Strong ( ) Mild (X) None ( )

1. Sketch Stockpile, Establish Dimensions, Describe Soil, and Locate Sample Locations.
2. Screen Stockpile with PID and Record GPS Coordinates for selected sample locations.
3. Provide a Sketch of the Stockpile, indicate north, and show PID readings and Sample Stations.
4. Collect Samples, Record ALL Data, Prepare COC, Count Bottles.

Designate Sample Locations on the Sketch with Reference Letter.

↑ N



• Headspace Readings (ppm)
⊙ Sample Location for VOCs

SAMPLE DATA

B **OKMN-ES-B214004B-0-110526**

Sample Time: 7:45
Sample Parameters: VOCs (1,2-DCA Only)
Sampled By: R. McLoughlin
Stockpile contains Lime Kiln Dust

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

Sample Time:
Sample Parameters:
Sampled By:

RINSATE SAMPLE: **from**

Parameters: **1,2-DCA** (1,2-Dichloroethane)

APPENDIX H
METEROLOGICAL DATA

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
1/12/2011	-2.20	23.00	12.20	0.0	5.8	243 ± 132	SW
1/13/2011	-4.00	17.60	8.81	0.0	7.1	117 ± 77	SE
1/14/2011	14.00	17.60	15.32	0.1	6.5	71 ± 108	E
1/15/2011	-0.40	15.80	9.04	0.0	7.8	298 ± 85	NW
1/16/2011	1.40	14.00	6.64	0.0	6.7	92 ± 94	E
1/17/2011	14.00	23.00	19.95	0.0	9.4	182 ± 121	S
1/18/2011	5.00	17.60	9.57	0.0	8.5	336 ± 44	NW
1/19/2011	-7.60	12.20	4.69	0.0	5.1	212 ± 114	SW
1/20/2011	-13.00	8.60	-0.99	0.0	8.7	271 ± 52	W
1/21/2011	-27.40	1.40	-10.13	0.0	6.7	128 ± 103	SE
1/22/2011	-16.60	3.20	-1.72	0.0	6.6	235 ± 150	SW
1/23/2011	-18.40	10.40	-2.04	0.0	12.8	105 ± 86	E
1/24/2011	10.40	24.80	17.93	0.0	8.7	222 ± 78	SW
1/25/2011	8.60	21.20	16.51	0.0	6.8	190 ± 91	S
1/26/2011	14.00	24.80	19.40	0.0	7.0	156 ± 120	SE
1/27/2011	19.40	26.60	22.87	0.0	5.3	216 ± 142	SW
1/28/2011	21.20	30.20	25.39	0.0	7.4	143 ± 87	SE
1/29/2011	19.40	32.00	25.41	0.0	8.3	301 ± 21	NW
1/30/2011	14.00	21.20	17.73	0.0	6.0	164 ± 156	S
1/31/2011	12.20	19.40	16.45	0.0	8.4	49 ± 16	NE
2/1/2011	3.20	14.00	9.42	0.0	10.4	299 ± 126	NW
2/2/2011	-7.60	10.40	1.53	0.0	8.7	285 ± 51	W
2/3/2011[3]	13.88	20.57	16.77	0.0	9.1	247 ± 9	SW
2/4/2011	10.83	34.74	21.56	0.0	5.3	233 ± 21	SW
2/5/2011	15.16	25.86	22.22	0.0	2.5	140 ± 87	SE
2/6/2011	21.89	29.91	26.54	0.0	3.7	90 ± 124	E

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
2/7/2011	-2.45	21.86	9.50	0.0	5.0	146 ± 162	SE
2/8/2011	-9.55	7.02	-0.95	0.0	7.4	258 ± 76	W
2/9/2011	-5.94	10.77	0.34	0.0	6.4	280 ± 14	W
2/10/2011	-12.02	15.58	-0.44	0.0	3.1	192 ± 59	S
2/11/2011	-8.99	30.08	12.69	0.0	4.1	223 ± 61	SW
2/12/2011	19.52	38.76	28.24	0.0	4.3	219 ± 47	SW
2/13/2011	29.39	47.95	39.59	0.0	9.1	262 ± 18	W
2/14/2011	32.40	40.14	36.38	0.0	5.7	254 ± 79	W
2/15/2011	31.49	40.35	35.23	0.0	8.4	187 ± 20	S
2/16/2011	27.78	53.07	38.75	0.0	4.9	176 ± 31	S
2/17/2011	28.94	44.74	39.78	0.0	7.8	213 ± 54	SW
2/18/2011	13.53	28.86	21.50	0.0	9.8	289 ± 12	W
2/19/2011	8.62	28.75	18.16	0.0	4.0	102 ± 82	E
2/20/2011	22.56	26.14	24.65	0.0	7.0	81 ± 8	E
2/21/2011	13.53	22.81	20.62	0.0	6.9	88 ± 9	E
2/22/2011	6.18	25.20	18.24	0.0	5.5	153 ± 44	SE
2/23/2011	25.20	34.07	29.37	0.0	7.8	206 ± 49	SW
2/24/2011	13.81	30.02	22.96	0.0	5.1	176 ± 157	S
2/25/2011	1.13	14.27	7.83	0.0	5.0	179 ± 146	S
2/26/2011	-2.45	8.71	1.62	0.0	2.4	179 ± 86	S
2/27/2011	2.30	27.04	15.97	0.0	4.2	213 ± 70	SW
2/28/2011	3.72	29.59	16.30	0.0	3.3	235 ± 78	SW
3/1/2011	5.26	40.00	24.84	0.1	7.5	255 ± 53	W
3/2/2011	-4.59	16.86	6.69	0.0	4.3	119 ± 106	SE
3/3/2011	13.14	30.37	23.65	0.0	5.1	106 ± 22	E
3/4/2011	23.12	29.71	27.08	0.0	5.0	37 ± 74	NE

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
3/5/2011	13.86	29.53	21.84	0.0	4.9	73 ± 114	E
3/6/2011	8.51	30.10	21.39	0.0	3.8	130 ± 25	SE
3/7/2011	24.12	30.34	27.10	0.0	3.0	119 ± 129	SE
3/8/2011	26.49	39.42	31.97	0.1	4.3	89 ± 16	E
3/9/2011	29.45	36.35	32.51	0.1	5.1	66 ± 97	NE
3/10/2011	22.12	36.28	29.54	0.0	4.3	278 ± 39	W
3/11/2011	19.96	42.90	31.27	0.0	8.4	178 ± 40	S
3/12/2011	16.43	30.27	20.59	0.0	9.6	297 ± 13	NW
3/13/2011	14.67	30.42	20.68	0.0	2.7	227 ± 115	SW
3/14/2011	11.38	38.92	27.15	0.0	4.8	174 ± 49	S
3/15/2011	31.06	44.28	36.60	0.0	6.1	216 ± 25	SW
3/16/2011	26.14	51.38	41.12	0.0	6.1	184 ± 39	S
3/17/2011	38.13	54.00	46.51	0.0	5.9	260 ± 58	W
3/18/2011	28.03	40.12	34.72	0.0	5.9	292 ± 13	W
3/19/2011	22.26	49.19	36.73	0.1	5.5	158 ± 41	S
3/20/2011	36.13	43.26	41.03	0.1	6.9	175 ± 59	S
3/21/2011	34.68	42.84	38.17	0.0	4.3	193 ± 111	S
3/22/2011	31.19	37.90	34.63	1.0	10.4	9 ± 28	N
3/23/2011	16.31	31.00	26.42	0.0	7.2	18 ± 21	N
3/24/2011	11.07	33.53	22.11	0.4	2.7	85 ± 86	E
3/25/2011	14.93	34.03	23.77	0.1	3.5	100 ± 45	E
3/26/2011	12.80	32.25	22.19	0.0	4.2	89 ± 31	E
3/27/2011	13.47	35.20	24.52	0.0	2.7	100 ± 42	E
3/28/2011	15.02	38.37	26.58	0.0	2.5	96 ± 40	E
3/29/2011	18.62	42.94	30.61	0.0	1.9	116 ± 68	SE
3/30/2011	20.00	44.44	33.22	0.0	2.2	132 ± 73	SE

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
3/31/2011	31.84	47.67	39.28	0.1	3.7	153 ± 43	SE
4/1/2011	33.38	45.50	38.46	0.1	5.2	283 ± 37	W
4/2/2011	32.18	54.11	42.78	0.0	4.6	236 ± 92	SW
4/3/2011	40.03	52.37	44.90	0.0	7.1	116 ± 73	SE
4/4/2011	33.81	45.69	39.08	0.0	7.0	273 ± 111	W
4/5/2011	28.76	54.65	42.97	0.0	5.0	250 ± 35	W
4/6/2011	37.93	58.20	46.74	0.0	2.6	195 ± 137	S
4/7/2011	33.70	62.85	50.10	0.0	4.9	147 ± 46	SE
4/8/2011	37.11	63.43	51.32	0.0	5.4	139 ± 39	SE
4/9/2011	47.97	57.82	52.46	0.0	5.7	142 ± 43	SE
4/10/2011	45.59	76.51	57.11	0.2	10.4	195 ± 75	S
4/11/2011	44.09	61.26	51.71	0.0	6.2	230 ± 132	SW
4/12/2011	37.97	67.84	55.24	0.0	4.7	204 ± 46	SW
4/13/2011	42.85	60.16	53.24	0.0	6.0	86 ± 114	E
4/14/2011	32.79	48.64	41.72	0.0	8.2	92 ± 12	E
4/15/2011	31.91	48.21	40.07	0.0	10.3	94 ± 15	E
4/16/2011	30.82	39.74	34.82	0.2	7.4	255 ± 118	W
4/17/2011	32.28	46.86	38.85	0.0	5.9	189 ± 138	S
4/18/2011	32.58	49.77	40.94	0.0	4.0	95 ± 35	E
4/19/2011	33.97	43.66	38.44	0.0	6.0	95 ± 15	E
4/20/2011	31.41	43.85	36.09	0.2	3.3	213 ± 129	SW
4/21/2011	29.28	48.56	39.57	0.1	4.8	170 ± 58	S
4/22/2011	37.55	43.77	40.53	0.1	6.8	125 ± 16	SE
4/23/2011	38.36	47.77	43.33	0.0	3.9	242 ± 111	SW
4/24/2011	32.51	61.68	48.56	0.0	3.1	233 ± 51	SW
4/25/2011	36.86	64.75	54.59	0.0	4.2	123 ± 58	SE

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
4/26/2011	36.07	55.13	42.71	1.5	7.3	56 ± 25	NE
4/27/2011	34.56	41.16	37.27	0.0	5.5	62 ± 108	NE
4/28/2011	34.58	54.40	41.63	0.1	4.4	240 ± 129	SW
4/29/2011[3]	39.01	62.62	49.00	0.0	6.7	185 ± 24	S
5/2/2011[3]	31.87	37.90	35.71	0.0	3.1	127 ± 130	SE
5/3/2011	28.18	59.04	44.53	0.0	3.4	146 ± 124	SE
5/4/2011	34.73	64.08	52.22	0.0	6.9	150 ± 48	SE
5/5/2011	44.11	61.69	51.28	0.2	5.0	230 ± 103	SW
5/6/2011	42.28	68.71	56.81	0.0	2.7	194 ± 92	S
5/7/2011	50.54	70.87	60.43	0.0	3.8	113 ± 29	SE
5/8/2011	52.29	65.51	58.57	0.1	6.2	143 ± 22	SE
5/9/2011	52.45	65.46	58.29	0.3	8.3	131 ± 36	SE
5/10/2011	53.34	85.60	69.14	0.0	6.9	120 ± 24	SE
5/11/2011	58.19	76.27	66.12	0.0	3.1	122 ± 83	SE
5/12/2011	50.36	61.83	55.45	0.0	4.0	110 ± 135	E
5/13/2011	44.51	53.01	50.48	0.0	5.1	44 ± 85	NE
5/14/2011	42.38	50.90	45.55	0.1	5.0	44 ± 14	NE
5/15/2011	43.82	62.93	53.13	0.0	5.9	50 ± 13	NE
5/16/2011	36.88	68.26	54.16	0.0	4.1	68 ± 29	E
5/17/2011	43.82	67.94	55.91	0.0	3.8	109 ± 41	E
5/18/2011	43.02	71.28	59.43	0.0	3.3	103 ± 26	E
5/19/2011	52.62	71.24	62.50	0.0	3.1	109 ± 31	E
5/20/2011	55.59	72.28	63.50	0.1	3.7	112 ± 18	E
5/21/2011	59.70	71.69	63.55	1.0	5.1	129 ± 39	SE
5/22/2011	57.63	70.04	62.82	0.7	5.4	179 ± 58	S

Table 1

Summary of Meterological Data
May 2010 - October 2010
Cottage Grove Site

Date (M/D/YYYY)	Temperature			Precipitation (inches)	Wind		
	Minimum (^{0}F)	Maximum (^{0}F)	Average (^{0}F)		Average Wind Speed (mph)	Average Wind Direction (Degrees)	Average Wind Direction
5/23/2011	57.82	73.77	64.75	0.0	4.5	231 ± 127	SW
5/24/2011	54.75	67.45	61.20	0.0	4.2	80 ± 25	E
5/25/2011	46.83	63.65	56.07	0.0	5.2	65 ± 34	NE
5/26/2011[3]	44.48	61.87	51.91	0.0	4.0	69 ± 59	E

[1] Average Wind Direction refers to the direction from which the wind is blowing.
[2] Data from 1/12/11 to 2/2/11 collected from certified meterological station at Lake Elmo due to on-site meterological station malfunction.
[3] Data set incomplete due to interuption of datalogger.

APPENDIX I
PERIMETER MONITORING

Oakdale Disposal Site (OKMN) - Perimeter Monitoring Form

1. Date: 1/7/2011	**2. Weather:** 11 °F, Light Snow, 2 mph North wind

3. Prepared By: John Hunter

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used:	Mini-RAE 2000
Calibration performed? (Y or N)	Y

Station / Sample Location	Recorded Time	Reading (ppm)
Station 1 (West)	14:41	0.1
Station 2 (North)	14:33	0.1
Station 3 (East)	14:13	0.0
Station 4 (South)	14:25	0.0

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used:	MIE DataRam PDR
Calibration performed? (Y or N)	Y

Station / Sample Location	Recorded Time	Reading (mg/m3)
Station 1 (West)	14:41	0.006
Station 2 (North)	14:33	0.014
Station 3 (East)	14:13	0.004
Station 4 (South)	14:25	0.016

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Noise Monitoring - (Action Level - 65 dB near Households, 80 dB near Highway above background)

Instrument used:	Simpson Model 884 Type S2A
Calibration performed? (Y or N)	Y

Station / Sample Location	Recorded Time	Reading (dB)
Station 1 (West)	14:41	60
Station 2 (North)	14:33	69
Station 3 (East)	14:13	60
Station 4 (South)	14:25	90

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

Perimeter Monitoring Form
Soil Removal Project/ Oakdale Disposal Site

1. Date:	1/10/2011	**2. Weather:**	19 °F, Overcast, 7mph ENE Wind

3. Prepared By: John Hunter

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)
Station 1 (West)	15:32	0.0	0.2
Station 2 (North)	14:48	0.0	0.1
Station 3 (East)	15:01	0.0	0.0
Station 4 (South)	15:10	0.0	0.1

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)
Station 1 (West)	15:32	0.022	0.024
Station 2 (North)	14:48	0.022	-
Station 3 (East)	15:01	0.023	0.066
Station 4 (South)	15:10	0.026	0.052

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Reading Variation (dBA)	Maximum Reading (dBA)
Station 1 (West)	15:32	55 - 60	70
Station 2 (North)	14:48	54 - 66	66
Station 3 (East)	15:01	56 - 66	66
Station 4 (South)	15:10	70 - 84	90

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

Perimeter Monitoring Form
Soil Removal Project/ Oakdale Disposal Site

1. Date:	1/11/2011	**2. Weather:**	19 ºF, Light Snow, 2mph N Wind

3. Prepared By: John Hunter

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)
Station 1 (West)	15:36	0.0	0.1
Station 2 (North)	14:51	0.0	0.0
Station 3 (East)	15:03	0.0	0.0
Station 4 (South)	15:09	0.0	0.1

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)
Station 1 (West)	15:36	0.008	0.010
Station 2 (North)	14:51	0.005	-
Station 3 (East)	15:03	0.007	0.012
Station 4 (South)	15:09	0.007	0.010

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

5. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Background Level (Established previous to Construction Activities, composite average): NA

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Reading Variation (dBA)	Maximum Reading (dBA)
Station 1 (West)	15:36	54 - 63	63
Station 2 (North)	14:51	56 - 58	68
Station 3 (East)	15:03	58 - 59	62
Station 4 (South)	15:09	60 - 80	91

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #4 (Hwy 5) & Station #2 (Upper 35th St). No onsite construction activities at the time of perimter monitoring.

Oakdale Disposal Site (OKMN) - Background Perimeter Monitoring Form

1. Date:	1/12/2011	**2. Weather:**	10 ºF, Clear
			NNW Wind @ 7 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used:	**Mini-RAE 2000**		
Calibration performed? (Y or N)	N		
Station / Sample Location	**Time**	**Average (ppm)**	**Maximum Reading (ppm)**
Station 1 (West)	7:45	0.0	0.1
Station 2 (North)	7:36	0.0	0.0
Station 3 (East)	7:26	0.0	0.0
Station 4 (South)	7:12	0.0	0.0

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #1 (Garanada Ave.), Station #2 (Upper 35th St) & Station #4 (Hwy 5) . No onsite construction activities at the time of perimeter monitoring.

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used:	**MIE DataRam PDR**		
Calibration performed? (Y or N)	Y		
Station / Sample Location	**Time**	**Average (mg/m3)**	**Maximum Reading (mg/m3)**
Station 1 (West)	7:45	0.013	0.141
Station 2 (North)	7:36	0.004	0.007
Station 3 (East)	7:26	0.003	0.005
Station 4 (South)	7:12	0.003	0.006

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #1 (Garanada Ave.), Station #2 (Upper 35th St) & Station #4 (Hwy 5) . No onsite construction activities at the time of perimeter monitoring.

5. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used:	**Simpson Model 884 Type S2A**		
Calibration performed? (Y or N)	Y		
Station / Sample Location	**Time**	**Reading Variation (dBA)**	**Maximum Reading (dBA)**
Station 1 (West)	7:45	<60 to 65	66
Station 2 (North)	7:36	<50 to 58	62
Station 3 (East)	7:26	<50 to 53	54
Station 4 (South)	7:12	<70 to 82	>90

Comments (Site Activities, Traffic, etc.):

##

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/12/2011	**2. Weather:**	16 °F, Clear
			NNW wind @ 7 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)	Established Background (ppm)
Station 1 (West)	13:35	0.0	0.1	**0.1**
Station 2 (North)	13:27	0.0	0.1	**0.1**
Station 3 (East)	13:09	0.0	0.1	**0.0**
Station 4 (South)	13:19	0.0	0.1	**0.1**

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #1 (Granada Ave.) & Station #4 (Hwy 5). Onsite construction activities included excavation & direct load hauling activities. No odors detected at all 4 Stations.

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)	Established Background (mg/m3)
Station 1 (West)	13:35	0.000	0.007	**0.045**
Station 2 (North)	13:27	0.001	0.005	**0.011**
Station 3 (East)	13:09	0.001	0.006	**0.022**
Station 4 (South)	13:19	0.000	0.004	**0.021**

Comments (Site Activities, Traffic, etc.):

Automobile traffic in background @ Station #1 (Granada Ave.) & Station #4 (Hwy 5). Onsite construction activities included excavation & direct load hauling activities. No odors detected at all 4 Stations.

5. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (dBA)	Maximum Reading (dBA)	Established Background (dBA)
Station 1 (West)	13:35	55 - 70	72	**66**
Station 2 (North)	13:27	50 - 64	66	**65**
Station 3 (East)	13:09	50 - 63	65	**61**
Station 4 (South)	13:19	70 - 75	86	**90**

Comments (Site Activities, Traffic, etc.):

##

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/13/2011	**2. Weather:**	16 °F, Overcast
3. Prepared By:	Rachel McLoughlin		S wind @ 0.5 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)	Established Background (ppm)
Station 1 (West)	16:02	0.0	0.0	**0.1**
Station 2 (North)	16:08	0.0	0.0	**0.1**
Station 3 (East)	16:17	0.0	0.0	**0.0**
Station 4 (South)	16:26	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)	Established Background (mg/m3)
Station 1 (West)	16:02	0.011	0.014	**0.045**
Station 2 (North)	16:08	0.011	0.014	**0.011**
Station 3 (East)	16:17	0.010	0.018	**0.022**
Station 4 (South)	16:26	0.018	0.027	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (dBA)	Maximum Reading (dBA)	Established Background (dBA)
Station 1 (West)	16:02	65-68	70	**66**
Station 2 (North)	16:08	53-56	92	**65**
Station 3 (East)	16:17	50-54	66	**61**
Station 4 (South)	16:26	86-88	97	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

No Site activities at start of monitoring event. Hauling activities of the day had ended (direct load to SKB). At approximatelt 16:15 the excavator started banging the bucket on the ground in an attempt to break through the frost layer (continued through the end of the monitoring event)

Station 1:
Moderate vehicle traffic on Granada (5 - 10 cars). Passing car saw noise spike to 70 dBA.

Station 2:
low vehicle traffic on Upper 35th Street N (2 cars). Air traffic caused spike to 65 dBA, vehicle traffic cause spike to 92 dBA.

Station 3:
No Traffic on 35th Street N. Banging of excavator bucket saw spike to 66 dBA.

Station 4:
A lot of vehicle traffic was visible in both directions along Highway 5. Vehicle traffic spike up to 89 dBA for cars and 97 dBA for school bus. Vehicles traveling East along highway 5 spiked to 75 dBA

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/14/2011	**2. Weather:**	16 °F, Overcast
3. Prepared By:	Rachel McLoughlin		S/SE wind @ 0.5 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)	Established Background (ppm)
Station 1 (West)	15:05	0.0	0.0	**0.1**
Station 2 (North)	15:13	0.0	0.0	**0.1**
Station 3 (East)	15:21	0.0	0.0	**0.0**
Station 4 (South)	15:28	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)	Established Background (mg/m3)
Station 1 (West)	15:05	0.043	0.051	**0.045**
Station 2 (North)	15:13	0.046	0.057	**0.011**
Station 3 (East)	15:21	0.056	0.059	**0.022**
Station 4 (South)	15:28	0.079	0.121	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (dBA)	Maximum Reading (dBA)	Established Background (dBA)
Station 1 (West)	15:05	58 - 65	89	**66**
Station 2 (North)	15:13	<50 - 52	72	**65**
Station 3 (East)	15:21	50 - 55	60	**61**
Station 4 (South)	15:28	60 - 90	94	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

Overall Site Operations:

Bolander dumping barrels and stockpiling material, drums, and pallets on stockpile staging sands.

Station 1:
Moderate vehicle traffic on Granada (10 - 15 cars). Highway 5 road traffic saw noise readings around 58 dBA. Cars passing on Grenada were up to

Station 2:
Could hear construction activities from the Site. Beeping of trucks backing up and crushing of drums. Noise meter ranged from 50 - 57 during these listed activities. Cars passing were measured at 70 dBA and 72 dBA.

Station 3:
Construction activities registered on noise meter at 60 dBA. No cars passed during monitoring event.

Station 4:
Cars traveling on Highway 5 (West) were recorded at 89 - 93 dBA. A school bus passed at 94 dBA. Cars traveling East on Highway 5 were measured at ~64 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/14/2011	**2. Weather:**	15 °F, Overcast
3. Prepared By:	Rachel McLoughlin, W. Westley		S wind @ 0.5 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (ppm)	Maximum Reading (ppm)	Established Background (ppm)
Station 1 (West)	15:54	0.0	0.0	**0.1**
Station 2 (North)	16:03	0.0	0.0	**0.1**
Station 3 (East)	16:12	0.0	0.0	**0.0**
Station 4 (South)	16:22	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (mg/m3)	Maximum Reading (mg/m3)	Established Background (mg/m3)
Station 1 (West)	15:54	0.064	0.076	**0.045**
Station 2 (North)	16:03	0.055	0.062	**0.011**
Station 3 (East)	16:12	0.063	0.113	**0.022**
Station 4 (South)	16:22	0.047	0.056	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

Station / Sample Location	Time	Average (dBA)	Maximum Reading (dBA)	Established Background (dBA)
Station 1 (West)	15:54	55 - 60	70	**66**
Station 2 (North)	16:03	< 50	67	**65**
Station 3 (East)	16:12	< 50	55	**61**
Station 4 (South)	16:22	60	80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

Overall Site Operations:

No on site activities. Bolander operators off site.

Station 1:
Moderate vehicle traffic on Granada (~10 cars). Highway 5 road traffic noise readings were 55 - 60 dBA. Cars passing on Grenada were ~70 dBA.

Station 2:
Cars passing on Upper 35th were measured at 65 - 67 dBA. Four cars passed during monitoring event.

Station 3:
Slight noise from traffic on Highway 5 (55 dBA). No cars passed during monitoring event.

Station 4:
Cars traveling on Highway 5 (West) were recorded at ~65 dBA. Cars were observed to be traveling at slower speeds due to road conditions (heavy snow). A school bus passed at 75 dBA and a snow plow passed at ~75 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/17/2011	**2. Weather:**	19 °F, Overcast SE Wind @ 6 mph
3. Prepared By:	John Hunter, Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:51	0.0	0.0	**0.1**
Station 2 (North)	11:20	0.7	0.0	**0.1**
Station 3 (East)	11:31	0.0	0.0	**0.0**
Station 4 (South)	11:40	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:51	0.073	0.061	**0.045**
Station 2 (North)	11:20	0.053	0.047	**0.011**
Station 3 (East)	11:31	0.066	0.054	**0.022**
Station 4 (South)	11:40	0.100	0.071	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:51	65.0	50 to 60	**66**
Station 2 (North)	11:20	72.0	<50 to 55	**65**
Station 3 (East)	11:31	58.0	<50	**61**
Station 4 (South)	11:40	>90	<70 to 82	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and hauling of direct load soil block A1-3. No odors at any station.

Station 1 (Granada Ave):
Highway traffic in background

Station 2 (Upper 35th St N):
NA

Station 3 (35th St N):
NA

Station 4 (Hwy 5):
Highway traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/17/2011	**2. Weather:**	23 °F, Overcast
3. Prepared By:	John Hunter		N Wind @ 1 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:33	0.0	0.0	**0.1**
Station 2 (North)	14:09	0.0	0.0	**0.1**
Station 3 (East)	14:18	0.0	0.0	**0.0**
Station 4 (South)	14:26	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:33	0.083	0.076	**0.045**
Station 2 (North)	14:09	0.069	0.058	**0.011**
Station 3 (East)	14:18	0.078	0.065	**0.022**
Station 4 (South)	14:26	0.099	0.075	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:51	60.0	<50 - 55	**66**
Station 2 (North)	11:20	62.0	<50 - 58	**65**
Station 3 (East)	11:31	65.0	<50 - 53	**61**
Station 4 (South)	11:40	88.0	<70 - 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and hauling of direct load soil block A1-3. No odors at any station.

Station 1 (Granada Ave):
Highway traffic in background

Station 2 (Upper 35th St N):
NA

Station 3 (35th St N):
Birds in background during readings.

Station 4 (Hwy 5):
Highway traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/18/2011	**2. Weather:**	7 deg F, mostly cloudy, NE wind at 0.5 to 10mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:30	0.0	0.0	**0.1**
Station 2 (North)	10:12	0.2	0.0	**0.1**
Station 3 (East)	9:40	1.3	0.0	**0.0**
Station 4 (South)	10:22	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:30	0.019	0.005	**0.045**
Station 2 (North)	10:12	0.019	0.005	**0.011**
Station 3 (East)	9:40	0.009	0.004	**0.022**
Station 4 (South)	10:22	0.009	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:30	73	<60	**66**
Station 2 (North)	10:12	65	<50	**65**
Station 3 (East)	9:40	53	<50 to 52	**61**
Station 4 (South)	10:22	90	<70 to 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and direct load hauling of soil blocks A1-3 & A1-4.

Station 1 (Granada Ave):
No comments.

Station 2 (Upper 35th St N):
car traffic is max. reading

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
car traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/18/2011	**2. Weather:**	7 deg F, mostly cloudy, NE wind at 0.5 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:09	0.0	0.0	**0.1**
Station 2 (North)	13:43	0.0	0.0	**0.1**
Station 3 (East)	13:53	0.0	0.0	**0.0**
Station 4 (South)	14:03	0.1	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:09	0.012	0.005	**0.045**
Station 2 (North)	13:43	0.012	0.005	**0.011**
Station 3 (East)	13:53	0.010	0.006	**0.022**
Station 4 (South)	14:03	0.015	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:09	63	<50 - 58	**66**
Station 2 (North)	13:43	>70	<50	**65**
Station 3 (East)	13:53	70	<60 - 68	**61**
Station 4 (South)	14:03	89	<70 - 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation andstockpiling of soil block A1-1. No odors at any station.

Station 1 (Granada Ave):
Traffic present.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
Traffic is present.

Station 4 (Hwy 5):
Traffic is present.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/19/2011 am	**2. Weather:**	0 deg F, mostly cloudy, NW wind at 5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1103	0.0	0.0	**0.1**
Station 2 (North)	1036	0.0	0.0	**0.1**
Station 3 (East)	1021	0.6	0.0	**0.0**
Station 4 (South)	1056	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1103	0.024	0.011	**0.045**
Station 2 (North)	1031	0.015	0.009	**0.011**
Station 3 (East)	1021	0.012	0.009	**0.022**
Station 4 (South)	1056	0.028	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1103	>70	55 to 67	**66**
Station 2 (North)	1031	>70	<50 to 52	**65**
Station 3 (East)	1021	54	54	**61**
Station 4 (South)	1056	>80	65 to 73	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and hauling except Stn#3 (operators were on break during monitoring), no nuisance odors at any station

Station 1 (Granada Ave):
car traffic In background

Station 2 (Upper 35th St N):
car traffic In background

Station 3 (35th St N):

Station 4 (Hwy 5):
car traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/19/2011 pm	**2. Weather:**	10 deg F, clear, West wind @ 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1511	0.0	0.0	**0.1**
Station 2 (North)	1436	0.0	0.0	**0.1**
Station 3 (East)	1445	0.0	0.0	**0.0**
Station 4 (South)	1503	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1511	0.019	0.010	**0.045**
Station 2 (North)	1436	0.014	0.010	**0.011**
Station 3 (East)	1445	0.026	0.011	**0.022**
Station 4 (South)	1503	nm*	0.021	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1511	68	55 to 65	**66**
Station 2 (North)	1436	>70	<50 to 53	**65**
Station 3 (East)	1445	>80	60 to 70	**61**
Station 4 (South)	1503	88	<70 to 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and hauling, no nuisance odors at any station

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
car traffic In background

Station 3 (35th St N):
*monitoring completed for TWA or average without incident, however, PDR failed to display MAX reading when prompted, most likely due to low battery level and cold ambient temperatures

Station 4 (Hwy 5):
car traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/20/2011	**2. Weather:**	10 deg F, overcast with flurries N wind @ 10 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:33	0.0	0.0	**0.1**
Station 2 (North)	11:09	0.0	0.0	**0.1**
Station 3 (East)	11:18	0.0	0.0	**0.0**
Station 4 (South)	11:26	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:33	0.217	0.052	**0.045**
Station 2 (North)	11:09	0.156	0.031	**0.011**
Station 3 (East)	11:18	0.027	0.013	**0.022**
Station 4 (South)	11:26	0.042	0.014	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:33	70	60 to 65	**66**
Station 2 (North)	11:09	70	<50 to 55	**65**
Station 3 (East)	11:18	55	<50 to 55	**61**
Station 4 (South)	11:26	85	<70 to 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Hauling and loading only, no nuisance odors at any station

Station 1 (Granada Ave):
dust max. is snow flurries

Station 2 (Upper 35th St N):
car traffic In background, dust max. is snow flurries

Station 3 (35th St N):

Station 4 (Hwy 5):
car traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/20/2011	**2. Weather:**	9 deg F, mostly clear WNW wind @ 16 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	NA	NA	NA	**0.1**
Station 2 (North)	13:26	0.0	0.0	**0.1**
Station 3 (East)	13:34	0.0	0.0	**0.0**
Station 4 (South)	13:43	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	NA	NA	NA	**0.045**
Station 2 (North)	13:26	0.024	0.014	**0.011**
Station 3 (East)	13:34	0.018	0.014	**0.022**
Station 4 (South)	13:43	0.028	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	NA	NA	NA	**66**
Station 2 (North)	13:26	70	<50 to 55	**65**
Station 3 (East)	13:34	68	51 to 57	**61**
Station 4 (South)	13:43	88	70 to 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Hauling and loading only, no nuisance odors at any station.

Station 1 (Granada Ave):
J. Hunter unable to complete monitoring at this station due to on-site meeting then offsite engagement, station is currently upwind of site activities at monitoring time

Station 2 (Upper 35th St N):
car traffic In background

Station 3 (35th St N):

Station 4 (Hwy 5):
car traffic in background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/24/2011	**2. Weather:**	18 °F, overcast w/ light snow SW wind @ 6 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:49	0.0	0.0	**0.1**
Station 2 (North)	11:07	0.0	0.0	**0.1**
Station 3 (East)	11:15	0.0	0.0	**0.0**
Station 4 (South)	11:36	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:49	0.054	0.043	**0.045**
Station 2 (North)	11:07	0.038	0.031	**0.011**
Station 3 (East)	11:15	0.042	0.034	**0.022**
Station 4 (South)	11:36	0.062	0.044	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:49	70	55 - 68	**66**
Station 2 (North)	11:07	67	52 - 60	**65**
Station 3 (East)	11:15	62	55 - 60	**61**
Station 4 (South)	11:36	84	<70 - 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and Hauling, no nuisance odors at any station.

Station 1 (Granada Ave):
No comments.

Station 2 (Upper 35th St N):
Vehicle traffic In background.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/24/2011	**2. Weather:**	23 °F, overcast
3. Prepared By:	John Hunter		WSW wind @ 7 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:37	0.0	0.0	**0.1**
Station 2 (North)	15:07	0.0	0.0	**0.1**
Station 3 (East)	15:15	0.0	0.0	**0.0**
Station 4 (South)	15:26	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:37	0.050	0.041	**0.045**
Station 2 (North)	15:07	0.051	0.037	**0.011**
Station 3 (East)	15:15	0.059	0.041	**0.022**
Station 4 (South)	15:26	0.081	0.052	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:37	68	55 - 65	**66**
Station 2 (North)	15:07	>70	<50 - 55	**65**
Station 3 (East)	15:15	55	<50 - 53	**61**
Station 4 (South)	15:26	88	<70 - 85	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and Hauling only at Station #2, no nuisance odors at any station.

Station 1 (Granada Ave):
Vehicle traffic In background.

Station 2 (Upper 35th St N):
Vehicle traffic In background.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/25/2011	**2. Weather:**	21 °F, mostly cloudy W to SW wind @ 10 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:35	NA	NA	**0.1**
Station 2 (North)	13:07	0.0	0.0	**0.1**
Station 3 (East)	13:16	0.0	0.0	**0.0**
Station 4 (South)	13:26	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:35	0.117	0.028	**0.045**
Station 2 (North)	13:07	0.028	0.020	**0.011**
Station 3 (East)	13:16	0.033	0.029	**0.022**
Station 4 (South)	13:26	0.186	0.040	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:35	78	60 - 65	**66**
Station 2 (North)	13:07	60	50 - 58	**65**
Station 3 (East)	13:16	55	<50 - 53	**61**
Station 4 (South)	13:26	85	<70	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and Hauling, no nuisance odors at any station.

Station 1 (Granada Ave):
Mini-Rae gives "lamp" error during monitoring event.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/25/2011	**2. Weather:**	19 °F, mostly cloudy WSW wind @ 8 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:40	0.0	0.0	**0.1**
Station 2 (North)	14:15	0.0	0.0	**0.1**
Station 3 (East)	14:25	0.0	0.0	**0.0**
Station 4 (South)	14:34	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:40	0.059	0.026	**0.045**
Station 2 (North)	14:15	0.025	0.016	**0.011**
Station 3 (East)	14:25	0.032	0.022	**0.022**
Station 4 (South)	14:34	0.091	0.042	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:40	68	60 - 67	**66**
Station 2 (North)	14:15	>70	50 - 60	**65**
Station 3 (East)	14:25	65	50 - 58	**61**
Station 4 (South)	14:34	89	<70 - 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and Hauling, no nuisance odors at any station.

Station 1 (Granada Ave):
No comments.

Station 2 (Upper 35th St N):
Vehicle traffic in background.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/27/2011	**2. Weather:**	23 °F, Cloudy NW wind @ 5 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:55	0.0	0.0	**0.1**
Station 2 (North)	11:05	0.0	0.0	**0.1**
Station 3 (East)	11:16	0.2	0.1	**0.0**
Station 4 (South)	11:25	0.5	0.3	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:55	0.067	0.050	**0.045**
Station 2 (North)	11:05	0.069	0.057	**0.011**
Station 3 (East)	11:16	0.071	0.056	**0.022**
Station 4 (South)	11:25	0.147	0.070	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:55	60	50	**66**
Station 2 (North)	11:05	55	50	**65**
Station 3 (East)	11:16	55	52	**61**
Station 4 (South)	11:25	77	70	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Backfilling activities of soil blocks A1-6, A1-4 & A1-8. Excavator "ripping" frost layer in soil blocks B1-8 & B1-9. No excavation odors detected at any station. Wood smoke detected at all stations. Wet roads from recent snow & warm temperatures.

Station 1 (Granada Ave):
Heavy vehicle traffic.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Heavy vehicle traffic. Excavator activities in soil block A1-8 near station.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/27/2011	**2. Weather:**	25 °F, Cloudy N wind @ 5 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:43	0.1	0.3	**0.1**
Station 2 (North)	15:12	0.1	0.5	**0.1**
Station 3 (East)	15:23	0.1	0.2	**0.0**
Station 4 (South)	15:33	0.1	0.3	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:43	0.055	0.062	**0.045**
Station 2 (North)	15:12	0.040	0.044	**0.011**
Station 3 (East)	15:23	0.039	0.046	**0.022**
Station 4 (South)	15:33	0.051	0.062	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:43	55	60	**66**
Station 2 (North)	15:12	50	55	**65**
Station 3 (East)	15:23	55	60	**61**
Station 4 (South)	15:33	70	80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Backfilling activities of soil blocks A1-6, A1-4 & A1-8. Excavator "ripping" frost layer in soil blocks B1-8 & B1-9. No excavation odors detected at any station. Wood smoke detected at all stations. Wet roads from recent snow & warm temperatures.

Station 1 (Granada Ave):
Heavy vehicle traffic.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Heavy vehicle traffic. Excavator activities in soil block A1-8 near station. State Trooper approached to see if K. Smith needed assistance.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/28/2011	**2. Weather:**	24 °F, overcast
3. Prepared By:	John Hunter		S wind @ 10 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	12:03	0.0	0.0	**0.1**
Station 2 (North)	11:34	0.0	0.0	**0.1**
Station 3 (East)	11:44	0.1	0.0	**0.0**
Station 4 (South)	11:55	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	12:03	0.075	0.068	**0.045**
Station 2 (North)	11:34	0.069	0.047	**0.011**
Station 3 (East)	11:44	0.052	0.046	**0.022**
Station 4 (South)	11:55	0.072	0.060	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	12:03	68	55 to 62	**66**
Station 2 (North)	11:34	>70	50 to 60	**65**
Station 3 (East)	11:44	68	50 to 62	**61**
Station 4 (South)	11:55	86	<70 to 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Backfill activities of soil blocks A1-4, A1-3 & A1-2. No nuisance odors at any station.

Station 1 (Granada Ave):
Vehicle traffic in background.

Station 2 (Upper 35th St N):
Vehicle traffic is max. noise reading, site activity noise max is 62 dBA.

Station 3 (35th St N):
Airplane is noise max, site max. is 64 dBA.

Station 4 (Hwy 5):
Vehicle traffic in background, site max. is 72 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/28/2011	**2. Weather:**	25 °F, overcast S wind @ 15 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:27	0.0	0.0	**0.1**
Station 2 (North)	13:00	0.0	0.0	**0.1**
Station 3 (East)	13:08	0.0	0.0	**0.0**
Station 4 (South)	13:19	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:27	0.049	0.068	**0.045**
Station 2 (North)	13:00	0.049	0.047	**0.011**
Station 3 (East)	13:08	0.041	0.046	**0.022**
Station 4 (South)	13:19	0.053	0.060	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:27	>70	55 to 65	**66**
Station 2 (North)	13:00	>70	55 to 60	**65**
Station 3 (East)	13:08	59	50 to 56	**61**
Station 4 (South)	13:19	88	<70 to 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Backfill activities of soil block A1-4, no nuisance odors at any station.

Station 1 (Granada Ave):
Airplane is noise max.

Station 2 (Upper 35th St N):
Vehicle traffic is max. noise reading.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/31/2011	**2. Weather:**	15 °F, Heavy Snow NE wind at 10 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:55	0.0	0.0	**0.1**
Station 2 (North)	11:14	0.0	0.0	**0.1**
Station 3 (East)	11:27	0.0	0.0	**0.0**
Station 4 (South)	11:46	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:55	0.033	0.009	**0.045**
Station 2 (North)	11:14	0.029	0.011	**0.011**
Station 3 (East)	11:27	0.032	0.013	**0.022**
Station 4 (South)	11:46	0.047	0.012	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:55	67	55 to 64	**66**
Station 2 (North)	11:14	60	<50 to 52	**65**
Station 3 (East)	11:27	57	<50 to 54	**61**
Station 4 (South)	11:46	>80	60 to 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Excavation and backfill, no nuisance odors at any station.

Station 1 (Granada Ave):
Vehicle traffic in background.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	1/31/2011	**2. Weather:**	15 °F, light snow NE wind at 10 mph
3. Prepared By:	John Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:29	0.0	0.0	**0.1**
Station 2 (North)	12:53	0.0	0.0	**0.1**
Station 3 (East)	13:05	0.0	0.0	**0.0**
Station 4 (South)	13:21	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:29	0.021	0.010	**0.045**
Station 2 (North)	12:53	0.042	0.011	**0.011**
Station 3 (East)	13:05	0.021	0.010	**0.022**
Station 4 (South)	13:21	0.032	0.011	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:29	69	60 to 69	**66**
Station 2 (North)	12:53	67	50 to 55	**65**
Station 3 (East)	13:05	<50	<50	**61**
Station 4 (South)	13:21	>90	<70 to 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

General activities, no odors at any stn.

Station 1 (Granada Ave):
No comments.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Passing snow plow in background is noise/sound max.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/1/2011	**2. Weather:**	12 °F, clear N wind @ 10.4 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:59	0.0	0.0	**0.1**
Station 2 (North)	12:07	0.0	0.0	**0.1**
Station 3 (East)	12:16	0.0	0.0	**0.0**
Station 4 (South)	12:24	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:59	0.013	0.002	**0.045**
Station 2 (North)	12:07	0.003	0.001	**0.011**
Station 3 (East)	12:16	0.003	0.002	**0.022**
Station 4 (South)	12:24	0.017	0.005	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:59	72	55 to 62	**66**
Station 2 (North)	12:07	75	<50 to 50	**65**
Station 3 (East)	12:16	57	<50 to 50	**61**
Station 4 (South)	12:24	90	65 - 85	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Hauling direct load material from Soil Block B1-9 to SKB. 8 trucks in hauling rotation. No nuisance odors at any station.

Station 1 (Granada Ave):
Traffic on Grenada 64 - 72 dBA. Traffic on Highway 5 ~58 dBA. During the Station 1 there is low traffic on Grenada (5 cars) and no haul trucks left or entered the site.

Station 2 (Upper 35th St N):
Very low vehicle traffic during monitoring event (1 car passed at 75 dBA). Average noise was <50 - 50 dBA.

Station 3 (35th St N):
Can hear equipment running on-site (motors and beeping) but no spike in recorded noise. A few banging noises from site (excavator bucket and/or truck trailer gate) saw spike on noise meter up to 57 dBA.

Station 4 (Hwy 5):
Equipment running recorded spikes up to 65 dBA and loading activities up to 75 dBA. Passing cars on highway 5 were 85 dBA and passing trucks up to 90 dBA. Cars traveling east on highway 5 were ~60 dBA. One haul truck passed during monitoring event and noise reading was 90 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/1/2011	**2. Weather:**	14 °F, Overcast N wind @ 11.5 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:32	0.0	0.0	**0.1**
Station 2 (North)	15:39	0.0	0.0	**0.1**
Station 3 (East)	15:48	0.0	0.0	**0.0**
Station 4 (South)	15:57	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:32	0.009	0.007	**0.045**
Station 2 (North)	15:39	0.010	0.006	**0.011**
Station 3 (East)	15:48	0.013	0.004	**0.022**
Station 4 (South)	15:57	0.008	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:32	80	65 to 70	**66**
Station 2 (North)	15:39	74	<50 to 50	**65**
Station 3 (East)	15:48	50	<50 to 50	**61**
Station 4 (South)	15:57	88	75 to 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

No current hauling activities (end of hauling direct load material from Soil Block B1-9 & B1-8 to SKB). Bolander stockpiling direct load material from B1-8 next to the load out zone for hauling 2/2/2011. No nuisance odors at any station.

Station 1 (Granada Ave):
Moderate Traffic on Grenada 68 - 75 dBA. Seventeen cars passed during monitoring. Traffic on Highway 5 ~58 dBA. Average noise throughout Station 1 monitoring was 65 to 70 dBA.

Station 2 (Upper 35th St N):
Low vehicle traffic during monitoring event (3 cars passed at 72, 74, 70 dBA). Average noise was <50 - 50 dBA. Max noise reading was a minivan that drove past (also recorded max dust at this time).

Station 3 (35th St N):
Quiet. No traffic. Maximum dust reading recorded during a wind gust.

Station 4 (Hwy 5):
Noise readings from passing cars were 75 - 82 dBA on Highway 5 west and 60 - 63 dBA on Highway 5 east. Trucks passing on Highway 5 west were measured at 85 and 88 dBA. Stockpiling activities (off-road haul truck) were recorded at 57 - 65 dBA. The maximum dust reading 0.008 mg/m3 was measured on two separate occasions (1. traffic and 2. truck & stockpiling)

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/2/2011	**2. Weather:**	20 °F, clear W wind @ 8 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:09	0.0	0.0	**0.1**
Station 2 (North)	15:16	0.0	0.0	**0.1**
Station 3 (East)	15:25	0.0	0.0	**0.0**
Station 4 (South)	15:36	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:09	0.042	0.011	**0.045**
Station 2 (North)	15:16	0.016	0.007	**0.011**
Station 3 (East)	15:25	0.018	0.010	**0.022**
Station 4 (South)	15:36	0.036	0.017	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:09	88	55 to 65	**66**
Station 2 (North)	15:16	74	<50	**65**
Station 3 (East)	15:25	64	<50 to 55	**61**
Station 4 (South)	15:36	87	65 - 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Hauling direct load material from Soil Block B1-7 to SKB. 8 trucks in hauling rotation. No nuisance odors at Station 1, Station 2 or Station 4. Slight odor at Station 3.

Station 1 (Granada Ave):
Traffic on Grenada 69 - 74 dBA. Traffic on Highway 5 was recorded at 55-61 dBA. During the Station 1 monitoring there was moderated traffic on Grenada (10 cars) and one haul truck entered the site (88 dBA).

Station 2 (Upper 35th St N):
Very low vehicle traffic during monitoring event (2 car passed at 70 dBA and 77 dBA). Average noise was <50 dBA. Site noise including engines running and reverse beeping were noted but no spike was observed on the noise monitor.

Station 3 (35th St N):
Can hear equipment running on-site (motors and beeping) and noise meter registered <50 to 58 dBA. Metal banging/crunching occured sporatically and noise monitor registered 57 - 64 dBA. No trucks neared monitoring station during the monitoring event.

Station 4 (Hwy 5):
Site activities registered on the noise monitor at 60 - 65 dBA. Passing cars on highway 5 west were 73 - 87 dBA and a tow truck passed at 87 dBA. Cars traveling east on highway 5 were 61 - 65 dBA. One haul truck passed Station 4 during monitoring event and noise monitor reading was 86 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/2/2011	**2. Weather:**	9 °F, clear W wind @ 6 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	16:24	0.0	0.0	**0.1**
Station 2 (North)	16:31	0.0	0.0	**0.1**
Station 3 (East)	16:40	0.0	0.0	**0.0**
Station 4 (South)	16:49	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	16:24	0.122	0.023	**0.045**
Station 2 (North)	16:31	0.018	0.008	**0.011**
Station 3 (East)	16:40	0.021	0.009	**0.022**
Station 4 (South)	16:49	0.048	0.013	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	16:24	77	58 - 66	**66**
Station 2 (North)	16:31	68	<50	**65**
Station 3 (East)	16:40	52	<50	**61**
Station 4 (South)	16:49	76	55 - 74	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Minimum site activity, end of hauling direct load material from Soil Block B1-7 to SKB. Bolander moving the drum pile to a different location on the stockpile staging area. No nuisance odors at any station.

Station 1 (Granada Ave):
Traffic on Grenada 65 - 77 dBA. Traffic on Highway 5 was recorded at 55-69 dBA. During the Station 1 monitoring there was moderated traffic on Grenada (13 cars). The maximum dust and noise readings were collected as four cars passed consecutively.

Station 2 (Upper 35th St N):
Very low vehicle traffic during monitoring event (2 car passed at 70 dBA and 77 dBA). Average noise was <50 dBA. Site noise including engines running and reverse beeping were noted but no spike was observed on the noise monitor.

Station 3 (35th St N):
Can hear equipment running on-site (motors and beeping) and noise meter registered <50 - 52 dBA. No vehicles approached the monitoring station during the monitoring event. General background/traffic from Highway 5 was recorded at <50 - 52 dBA.

Station 4 (Hwy 5):
Passing cars on highway 5 west were 70 - 76 dBA and a UPS passed at 76 dBA. Cars traveling east on highway 5 were 55 - 59 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/3/2011	**2. Weather:**	17 °F, clear SW wind @ 12 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:50	0.0	0.0	**0.1**
Station 2 (North)	10:58	0.0	0.0	**0.1**
Station 3 (East)	11:09	0.0	0.0	**0.0**
Station 4 (South)	11:18	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:50	0.055	0.015	**0.045**
Station 2 (North)	10:58	0.015	0.005	**0.011**
Station 3 (East)	11:09	0.027	0.008	**0.022**
Station 4 (South)	11:18	0.040	0.012	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:50	86	55 - 60	**66**
Station 2 (North)	10:58	53	<50	**65**
Station 3 (East)	11:09	62	50 - 55	**61**
Station 4 (South)	11:18	79	60 - 70	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Hauling direct load material from Soil Block B1-7 to SKB. 8 trucks in hauling rotation. No nuisance odors at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Grenada (10 cars). Traffic on Grenada was measured at 58 - 86 dBA. Two haul trucks entered the site during monitoring event (86 dBA and 84 dBA) and one haul truck left the site (75 dBA). Traffic on Highway 5 was recorded at 55-67 dBA.

Station 2 (Upper 35th St N):

No vehicle traffic on Upper 35th Street N during the Station 2 monitoring event. Average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 53 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered <50 - 62 dBA. Reverse beeping was measured at 52 - 55 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 55 - 70 dBA. Excavator engine and loading activities were measured at 55 - 60 dBA. Stockpiling (direct load material) and off-road haul truck were measured at 69 - 70 dBA. Cars traveling west on Highway 5 were measured at 60 - 79 dBA. Cars traveling east on Highway 5 were measured at 55 - 62 dBA. No haul trucks passed Station 4 during monitoring event.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/3/2011	**2. Weather:**	19 °F, clear W/NW wind @ 13 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:14	0.0	0.0	**0.1**
Station 2 (North)	15:21	0.0	0.0	**0.1**
Station 3 (East)	15:29	0.0	0.0	**0.0**
Station 4 (South)	15:39	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:14	0.016	0.008	**0.045**
Station 2 (North)	15:21	0.017	0.004	**0.011**
Station 3 (East)	15:29	0.012	0.007	**0.022**
Station 4 (South)	15:39	0.018	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:14	66	52 - 60	**66**
Station 2 (North)	15:21	53	<50	**65**
Station 3 (East)	15:29	59	52 - 55	**61**
Station 4 (South)	15:39	76	65 - 75	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

End of hauling activities today, a few trucks still arriving to drop sand but will not be loaded and are leaving empty. Bolander continuing to dig and stage direct load material from A1-9 for hauling on 2/4/11. Minor odor was detected at Station #3 during wind gusts but was not detected at any other location.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Grenada (9 cars). Traffic on Grenada was recorded at 60 - 66 dBA. No haul trucks entered the site during monitoring event. Traffic on Highway 5 was recorded at 55-62 dBA.

Station 2 (Upper 35th St N):

No vehicle traffic on Upper 35th Street N during the Station 2 monitoring event. Average noise was <50 - 51 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 53 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (engines and beeping) was heard and the noise monitor registered 52 - 55 dBA with spikes of 57 - 59 dBA (reverse beeping). One car drove down 35th St N but did not pass monitoring location. Upon arrival to the station no odor was detected however on two occasions during the monitoring event a slight solvent odor was detected with a wind gust.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 55 - 64 dBA. Cars traveling west on Highway 5 were measured at 70 - 76 dBA. Cars traveling east on Highway 5 were measured at 55 - 65 dBA. No haul trucks passed Station 4 during monitoring event.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/4/2011	**2. Weather:**	14 deg F, overcast, SW wind at 7 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1242	0.0	0.0	**0.1**
Station 2 (North)	1018	0.0	0.0	**0.1**
Station 3 (East)	1132	0.0	0.0	**0.0**
Station 4 (South)	1231	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1242	0.052	0.012	**0.045**
Station 2 (North)	1018	0.017	0.011	**0.011**
Station 3 (East)	1132	0.023	0.014	**0.022**
Station 4 (South)	1231	0.034	0.012	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1242	70	60 to 65	**66**
Station 2 (North)	1018	>70	51 to 57	**65**
Station 3 (East)	1132	68	55 to 60	**61**
Station 4 (South)	1231	84	70 to 80	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Loading and hauling. No nuisance odors detected at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic is max. noise reading

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic is max. noise reading

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/4/2011	**2. Weather:**	14 deg F, mostly clear, SW wind at 9 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1341	0.0	0.0	**0.1**
Station 2 (North)	1310	0.0	0.0	**0.1**
Station 3 (East)	1322	0.0	0.0	**0.0**
Station 4 (South)	1331	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1341	0.024	0.014	**0.045**
Station 2 (North)	1310	0.015	0.008	**0.011**
Station 3 (East)	1322	0.023	0.012	**0.022**
Station 4 (South)	1331	0.094	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1341	65	<60 to 65	**66**
Station 2 (North)	1310	58	50 to 55	**65**
Station 3 (East)	1322	55	50 to 55	**61**
Station 4 (South)	1331	>90	<70 to 75	**90**

General Comments:

Excavating and hauling.

Station 1 (Granada Ave):
Car traffic noise in background

Station 2 (Upper 35th St N):

Station 3 (35th St N):
Slight odor detected.

Station 4 (Hwy 5):
Car traffic is max. noise reading

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/7/2011	**2. Weather:**	7.8 °F, clear N wind @ 6 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:28	0.0	0.0	**0.1**
Station 2 (North)	10:36	0.0	0.0	**0.1**
Station 3 (East)	10:47	0.0	0.0	**0.0**
Station 4 (South)	10:55	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:28	0.016	0.000	**0.045**
Station 2 (North)	10:36	0.021	0.002	**0.011**
Station 3 (East)	10:47	0.010	0.000	**0.022**
Station 4 (South)	10:55	0.052	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:28	71	50 - 55	**66**
Station 2 (North)	10:36	65	<50	**65**
Station 3 (East)	10:47	55	<50	**61**
Station 4 (South)	10:55	79	58 - 68	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander is ripping frost layer on Soil Blocks A1-7, A1-8 and A1-9. No odors detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Granada (9 cars). Traffic on Granada was measured at 53 - 71 dBA. Traffic on Highway 5 was recorded at <50-61 dBA.

Station 2 (Upper 35th St N):

3 vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N. Two cars and one truck passed at 54, 60 and 65 dBA respectively. Average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 dBA during these activities. The maximum dust level was recorded as 4 cars passed consecutively.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered <50 - 55 dBA. Average noise was <50 dBA. Peak of 55 dBA was recorded during simultaneous motor running and reverse beeping.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 52 - 75 dBA. Excavator engine and ripping activities were measured up to 75 dBA. On average site activities was measured at 52 - 58 dBA. Cars traveling west on Highway 5 were measured at 62 - 79 dBA. Cars traveling east on Highway 5 were measured at 60 - 68 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/7/2011	**2. Weather:**	9.4 °F, clear N/NE wind @ 6 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:06	0.0	0.0	**0.1**
Station 2 (North)	14:13	0.0	0.0	**0.1**
Station 3 (East)	14:23	0.0	0.0	**0.0**
Station 4 (South)	14:31	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:06	0.101	0.019	**0.045**
Station 2 (North)	14:13	0.006	0.001	**0.011**
Station 3 (East)	14:23	0.007	0.001	**0.022**
Station 4 (South)	14:31	0.032	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:06	74	<50 - 55	**66**
Station 2 (North)	14:13	64	<50	**65**
Station 3 (East)	14:23	53	<50	**61**
Station 4 (South)	14:31	75	62 - 67	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander is ripping frost layer on Soil Blocks A1-7, A1-8 and A1-9 and transferring backfill sand over the exclusion zone fence into an off-road truck. No odors detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Granada (12 cars). Traffic on Granada was measured at 55 - 74 dBA. Traffic on Highway 5 was recorded at <50 - 63 dBA.

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (64 dBA). The average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 51 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered <50 - 53 dBA. Average noise was <50 dBA. Beeping from off-road truck was measured at <50 - 51 dBA, banging from excavator on frost was measured at <50 - 53 dBA and engine noises were measured at <50 - 50.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 60 - 67 dBA. Excavator ripping activities were the loudest of the site activities and were measured at 66 - 67 dBA. Cars traveling west on Highway 5 were measured at 65 - 75 dBA. Cars traveling east on Highway 5 were measured at <60 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/8/2011	**2. Weather:**	1.2 °F, clear W wind @ 6.7 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:48	0.0	0.0	**0.1**
Station 2 (North)	10:56	0.0	0.0	**0.1**
Station 3 (East)	11:05	0.0	0.0	**0.0**
Station 4 (South)	11:15	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:48	0.026	0.013	**0.045**
Station 2 (North)	10:56	0.021	0.015	**0.011**
Station 3 (East)	11:05	0.040	0.022	**0.022**
Station 4 (South)	11:15	0.311	0.048	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:48	71	50 - 60	**66**
Station 2 (North)	10:56	62	<50	**65**
Station 3 (East)	11:05	58	<50 - 52	**61**
Station 4 (South)	11:15	85	58 - 68	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander continues ripping frost layer on Soil Blocks A1-7, A1-8 and A1-9. No odors detected at any station. High levels of salt on all roads, dust clouds visible with passing cars. This is likely the cause of the increase maximum dust readings at each station, especially Station 4 (along Highway 5).

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Granada (8 cars). Traffic on Granada was measured at 62 - 71 dBA. Traffic on Highway 5 was recorded at <50 - 59 dBA.

Station 2 (Upper 35th St N):

1 car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (62 dBA). Average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 56 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered <50 - 58 dBA. Average noise was <50 - 54 dBA. A neighbor was dragging around a ladder and cleaning the snow off the roof of his house, his activities were recorded at 52 - 58 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 55 - 68 dBA. Excavator engine and ripping activities were measured up to 68 dBA. On average site activities were measured at 55 - 63 dBA. Cars traveling west on Highway 5 were measured at 67 - 85 dBA. Cars traveling east on Highway 5 were measured at 61 - 63 dBA. The maximum dust and noise readings were recorded as a large truck passed Station 4 at a high speed.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/8/2011	**2. Weather:**	6.1 ºF, clear W wind @ 9.9 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:15	0.0	0.0	**0.1**
Station 2 (North)	15:23	0.0	0.0	**0.1**
Station 3 (East)	15:31	0.0	0.0	**0.0**
Station 4 (South)	15:41	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:15	0.020	0.009	**0.045**
Station 2 (North)	15:23	0.012	0.008	**0.011**
Station 3 (East)	15:31	0.039	0.015	**0.022**
Station 4 (South)	15:41	0.042	0.017	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:15	71	55 - 60	**66**
Station 2 (North)	15:23	70	<50	**65**
Station 3 (East)	15:31	62	52 - 57	**61**
Station 4 (South)	15:41	78	57 - 67	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander continues ripping frost layer on Soil Blocks A1-7, A1-8 and A1-9 and transferring sand into the exclusion zone for backfill of the northwest corner of the excavations. Slight diesel odor detected at station 3. High levels of salt on all roads.

Station 1 (Granada Ave):

During the Station 1 monitoring there was heavy traffic on Granada Ave (17 cars). Traffic on Granada was measured at 55 - 71 dBA. Traffic on Highway 5 was recorded at 58 - 64 dBA.

Station 2 (Upper 35th St N):

1 car (70 dBA) passed Station 2 during the monitoring event on Upper 35th Street N. Average noise was <50 dBA. Air traffic was measured at <50 - 52 dBA. Site activities (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 52 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered 52 - 62 dBA. Highest noise reading (62 dBA) was associates with a metal screeching sound, likely associated with ongoing ripping activities.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 52 - 68 dBA. The loudest site activity recorded was the engine on the off-road truck backing away from the loading station (loaded with sand). On average site activities were measured at 52 - 60 dBA. Cars traveling west on Highway 5 were measured at 70 - 78 dBA. Cars traveling east on Highway 5 were measured at 60 - 62 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/9/2011	**2. Weather:**	1.3 °F, clear W/NW wind @ 6.6 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:14	0.0	0.0	**0.1**
Station 2 (North)	10:22	0.0	0.0	**0.1**
Station 3 (East)	10:32	0.0	0.0	**0.0**
Station 4 (South)	10:43	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:14	0.059	0.009	**0.045**
Station 2 (North)	10:22	0.018	0.008	**0.011**
Station 3 (East)	10:32	0.016	0.008	**0.022**
Station 4 (South)	10:43	0.020	0.010	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:14	68	<50 - 60	**66**
Station 2 (North)	10:22	64	<50	**65**
Station 3 (East)	10:32	67	53 - 60	**61**
Station 4 (South)	10:43	79	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander continues ripping frost layer on Soil Blocks along south edge of excavation (A1-7, A1-8 and A1-9) and northeast corner of the excavation to B1-3. No odors detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was low levels of traffic on Granada (6 cars). Traffic on Granada was measured at 57 - 68 dBA. Traffic on Highway 5 was recorded at <50 - 63 dBA. Beeping from on-site equipment was noted but it did not cause a spike on the noise meter (<50 dBA).

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (64 dBA). Average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 50 dBA during these activities. Air traffic was also noted but did not cause a spike on the noise meter (<50 dBA).

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors, beeping and ripping activities) was heard and the noise monitor registered 53 - 67 dBA. Average noise was 53 - 60 dBA. The average noise was a result of equipment engines and beeping. Ripping activities and breaking of frost generally saw momentary spikes between 61 - 67 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 55 - 63 dBA. Excavator engines were recorded at 55 - 60 dBA. Equipment beeping was recorded at 55 - 63 dBA. Cars traveling west on Highway 5 were measured at 71 - 79 dBA. Cars traveling east on Highway 5 were measured at 57 - 61 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/9/2011	**2. Weather:**	9.6 °F, clear, sunny
3. Prepared By:	Rachel McLoughlin		W wind @ 9.1 mph

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:13	0.0	0.0	**0.1**
Station 2 (North)	14:20	0.0	0.0	**0.1**
Station 3 (East)	14:30	0.0	0.0	**0.0**
Station 4 (South)	14:40	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:13	0.018	0.008	**0.045**
Station 2 (North)	14:20	0.025	0.008	**0.011**
Station 3 (East)	14:30	0.047	0.007	**0.022**
Station 4 (South)	14:40	0.022	0.010	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:13	68	<50 - 60	**66**
Station 2 (North)	14:20	<50	<50	**65**
Station 3 (East)	14:30	59	<50 - 53	**61**
Station 4 (South)	14:40	76	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander continues ripping frost layer on Soil Blocks along the northeast corner of the excavation to B1-3 and then moves back to southwest corner to continue ripping A1-7. The excavator moved from B1-3 to A1-7 between Station 1 and Station 2 of this perimeter monitoring event and remained ripping A1-7 for the duration. No odors were detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (11 cars). Traffic on Granada was measured at 57 - 68 dBA. Traffic on Highway 5 was recorded at <50 - 61 dBA. No on-site noise was measured on the sound meter (<50 dBA).

Station 2 (Upper 35th St N):

No vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N. The average noise was <50 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 dBA during these activities. Air traffic was also noted and recorded at <50 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors, beeping and ripping activities) was heard and the noise monitor registered <50 - 59 dBA. Average noise was <50 - 55 dBA. The average noise was a result of equipment engines and beeping. The maximum noise reading obtained was due to ripping activities (59 dBA).

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 60 - 71 dBA. Excavator engines were recorded at 60 - 64 dBA and the excavator tracking across A1-7 was measured at 67 - 71 dBA. Equipment beeping was recorded at 63 - 70 dBA. Cars traveling west on Highway 5 were measured at 69 - 76 dBA. Cars traveling east on Highway 5 were measured at <60 dBA. The highest noise reading was obtained when a tow truck passed Station 4 heading west on Highway 5.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/10/2011	**2. Weather:**	-11 deg F, clear, SE wind at 4 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1131	0.0	0.0	**0.1**
Station 2 (North)	1015	0.0	0.0	**0.1**
Station 3 (East)	1031	0.0	0.0	**0.0**
Station 4 (South)	1113	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1131	0.024	0.013	**0.045**
Station 2 (North)	1015	0.029	0.015	**0.011**
Station 3 (East)	1031	0.024	0.012	**0.022**
Station 4 (South)	1113	0.068	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1131	70	60 - 65	**66**
Station 2 (North)	1015	55	50 - 55	**65**
Station 3 (East)	1031	55	50 -55	**61**
Station 4 (South)	1113	>90	75 - 85	**90**

General Comments:

Excavating and hauling. No odors present at any stn.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/10/2011	**2. Weather:**	13 deg F, S wind @ 3 mph, clear
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1432	0.0	0.0	**0.1**
Station 2 (North)	1448	0.0	0.0	**0.1**
Station 3 (East)	1458	0.0	0.0	**0.0**
Station 4 (South)	1507	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1432	0.475	0.039	**0.045**
Station 2 (North)	1448	0.053	0.024	**0.011**
Station 3 (East)	1458	0.039	0.026	**0.022**
Station 4 (South)	1507	0.058	0.030	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1432	70	55 to 64	**66**
Station 2 (North)	1448	70	50 to 55	**65**
Station 3 (East)	1458	55	50 to 55	**61**
Station 4 (South)	1507	87	<80 to 84	**90**

General Comments:

Excavating and hauling. No odors present at any stn.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic in background

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/11/2011	**2. Weather:**	6 deg F, mostly cloudy, S wind at 5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1008	0.0	0.0	**0.1**
Station 2 (North)	0934	0.0	0.0	**0.1**
Station 3 (East)	0950	0.0	0.0	**0.0**
Station 4 (South)	1001	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1008	1.177	0.103	**0.045**
Station 2 (North)	0934	0.065	0.028	**0.011**
Station 3 (East)	0950	0.040	0.024	**0.022**
Station 4 (South)	1001	0.059	0.033	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1008	67	55 - 60	**66**
Station 2 (North)	0934	69	50 - 55	**65**
Station 3 (East)	0950	62	55 - 60	**61**
Station 4 (South)	1001	89	70 - 75	**90**

General Comments:

Excavating and hauling. No odors present at any stn.

Station 1 (Granada Ave):
Increase (spike) in dust monitoring was due to passing vehicle traffic (dry roads & salt) at time of readings.

Station 2 (Upper 35th St N):
No comments.

Station 3 (35th St N):
No comments.

Station 4 (Hwy 5):
Vehicle traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/11/2011	**2. Weather:**	26 deg F, mostly cloudy, W wind at 6 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:05	0.0	0.0	**0.1**
Station 2 (North)	15:14	0.0	0.0	**0.1**
Station 3 (East)	15:23	0.0	0.0	**0.0**
Station 4 (South)	15:31	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:05	0.038	0.031	**0.045**
Station 2 (North)	15:14	0.039	0.031	**0.011**
Station 3 (East)	15:23	0.042	0.036	**0.022**
Station 4 (South)	15:31	0.097	0.058	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:05	88	55 - 60	**66**
Station 2 (North)	15:14	<50	<50	**65**
Station 3 (East)	15:23	<50	<50	**61**
Station 4 (South)	15:31	81	70 - 75	**90**

General Comments:

End of hauling activities today (direct load material from Soil Block A1-9 to SKB). A few trucks still arriving to dump sand. Bolander stages some direct load material from Soil Block A1-8 near load out. No odors detected at Station 1, 2 and 4. A very slight solvent odor detected at the end of Station 3 monitoring (associated with wind gust).

Station 1 (Granada Ave):
Heavy traffic on Granada (19 cars). Granada traffic measured at 60 - 88 dBA. Two haul trucks left the site (empty) during monitoring event and were measured at 80 and 88 dBA respectively. Highway 5 traffic was measured at 50 - 59 dBA.

Station 2 (Upper 35th St N):
No cars passed on Upper 35th Street N during the monitoring event. Site noises (motor and beeping) were detected but everything was measured at <50 dBA.

Station 3 (35th St N):
No cars passed on 35th Street N during the monitoring event. Site noises (motor and beeping) were detected but everything was measured at <50 dBA.

Station 4 (Hwy 5):
Site noises (engines) were measured at 60 dBA. Vehicles traveling west on Highway 5 were measured at 59 - 81 dBA. Vehicles traveling east on Highway 5 were measured at 60 - 65 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/14/2011	**2. Weather:**	36 deg F, mostly clear, 7.5 mph West wind
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1216	0.0	0.0	**0.1**
Station 2 (North)	1113	0.0	0.0	**0.1**
Station 3 (East)	1059	0.0	0.0	**0.0**
Station 4 (South)	1128	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1216	0.036	0.011	**0.045**
Station 2 (North)	1113	0.018	0.007	**0.011**
Station 3 (East)	1059	0.011	0.006	**0.022**
Station 4 (South)	1128	0.040	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1216	69	55 - 60	**66**
Station 2 (North)	1113	70	50 - 64	**65**
Station 3 (East)	1059	58	50 - 55	**61**
Station 4 (South)	1128	89	75 - 83	**90**

General Comments:

Excavating and hauling. No odors present at any stn.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/14/2011	**2. Weather:**	36 deg F, mostly clear,
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1348	0.0	0.0	**0.1**
Station 2 (North)	1322	0.0	0.0	**0.1**
Station 3 (East)	1329	0.0	0.0	**0.0**
Station 4 (South)	1309	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1348	0.042	0.012	**0.045**
Station 2 (North)	1322	0.014	0.010	**0.011**
Station 3 (East)	1329	0.055	0.010	**0.022**
Station 4 (South)	1309	0.032	0.014	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1348	69	55 - 60	**66**
Station 2 (North)	1322	70	50 - 55	**65**
Station 3 (East)	1329	55	50 - 55	**61**
Station 4 (South)	1309	86	75 - 82	**90**

General Comments:

Excavating and hauling. No odors present at any stn.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/15/2011	**2. Weather:**	37 deg F, mostly clear, S mph @ 9 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1038	0.0	0.0	**0.1**
Station 2 (North)	1055	0.0	0.0	**0.1**
Station 3 (East)	1104	0.0	0.0	**0.0**
Station 4 (South)	1142	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1038	0.083	0.032	**0.045**
Station 2 (North)	1055	0.028	0.022	**0.011**
Station 3 (East)	1104	0.032	0.021	**0.022**
Station 4 (South)	1142	0.055	0.019	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1038	89	65 - 75	**66**
Station 2 (North)	1055	70	55 - 60	**65**
Station 3 (East)	1104	68	55 - 60	**61**
Station 4 (South)	1142	88	75 - 82	**90**

General Comments:

Excavating and hauling.

Station 1 (Granada Ave):
Dust and noise maximums are due to backdragging of entrance road by front-end loader (immediately upwind of station).

Station 2 (Upper 35th St N):

Station 3 (35th St N):
Air traffic is maximum noise reading. Also, very slight and intermittent odor is present.

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/16/2011	**2. Weather:**	30 deg F, mostly clear, 7 mph wind from SSE
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1053	0.0	0.0	**0.1**
Station 2 (North)	1000	0.3	0.0	**0.1**
Station 3 (East)	1012	0.0	0.0	**0.0**
Station 4 (South)	1022	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1053	0.022	0.018	**0.045**
Station 2 (North)	1000	0.022	0.016	**0.011**
Station 3 (East)	1012	0.026	0.014	**0.022**
Station 4 (South)	1022	0.027	0.017	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1053	74	62 - 67	**66**
Station 2 (North)	1000	70	50 - 55	**65**
Station 3 (East)	1012	63	52 - 57	**61**
Station 4 (South)	1022	84	70 - 75	**90**

General Comments:

Excavating and hauling.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
Car traffic in background. Very slight odor .

Station 3 (35th St N):
Air traffic is maximum noise reading. No odors.

Station 4 (Hwy 5):
Car traffic in background. No odors.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/16/2011	**2. Weather:**	51 deg F, mostly clear, 5 mph wind from S
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1350	0.0	0.0	**0.1**
Station 2 (North)	1419	0.0	0.0	**0.1**
Station 3 (East)	1444	0.0	0.0	**0.0**
Station 4 (South)	1452	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1350	0.056	0.022	**0.045**
Station 2 (North)	1419	0.019	0.011	**0.011**
Station 3 (East)	1444	0.033	0.006	**0.022**
Station 4 (South)	1452	0.041	0.010	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1350	69	55 - 60	**66**
Station 2 (North)	1419	70	55 - 60	**65**
Station 3 (East)	1444	68	57 - 62	**61**
Station 4 (South)	1452	88	70 - 75	**90**

General Comments:

Excavating and hauling. No odors at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic in background.

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/17/2011	**2. Weather:**	41 deg F, dense fog, S wind at 4 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1142	0.0	0.0	**0.1**
Station 2 (North)	1057	0.0	0.0	**0.1**
Station 3 (East)	1107	0.0	0.0	**0.0**
Station 4 (South)	1119	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1142	0.838	0.543	**0.045**
Station 2 (North)	1057	0.223	0.173	**0.011**
Station 3 (East)	1107	0.603	0.153	**0.022**
Station 4 (South)	1119	1.107	0.694	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1142	75	60 - 65	**66**
Station 2 (North)	1057	70	54 - 59	**65**
Station 3 (East)	1107	70	50 - 55	**61**
Station 4 (South)	1119	84	70 -75	**90**

General Comments:

Excavating and hauling. High dust readings are due to dense fog (1 - 14 microns) and water vapor (2 - 5 microns) entering optical chamber of pDR. Site weather station also confirms a relative humidity of 98% which nears the upper limit of the specified operating environment for the unit. Furthermore, there are neither odors or VOCs detected at any station.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
Car traffic in background. No odors.

Station 3 (35th St N):
Neighbor doing yard work is maximum noise reading. No odors.

Station 4 (Hwy 5):
Car traffic in background. No odors.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/17/2011	**2. Weather:**	41 deg F, overcast with fog, SW wind at 6.2 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1449	0.0	0.0	**0.1**
Station 2 (North)	1316	0.0	0.0	**0.1**
Station 3 (East)	1325	0.0	0.0	**0.0**
Station 4 (South)	1342	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1449	0.095	0.081	**0.045**
Station 2 (North)	1316	0.372	0.146	**0.011**
Station 3 (East)	1325	0.089	0.063	**0.022**
Station 4 (South)	1342	0.081	0.063	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1449	70	60 - 65	**66**
Station 2 (North)	1316	70	55 - 60	**65**
Station 3 (East)	1325	65	55 - 60	**61**
Station 4 (South)	1342	87	70 -75	**90**

General Comments:

Excavating and hauling. High dust readings are due to dense fog (1 - 14 microns) and water vapor (2 - 5 microns) entering optical chamber of pDR. Site weather station also confirms a relative humidity of 98% which nears the upper limit of the specified operating environment for the unit. Furthermore, there are neither odors or VOCs detected at any station.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
Car traffic in background. No odors.

Station 3 (35th St N):
Air traffic in background. No odors.

Station 4 (Hwy 5):
Car traffic in background. No odors.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/18/2011	**2. Weather:**	19 deg F, clear, W wind at 12 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1118	0.0	0.0	**0.1**
Station 2 (North)	1050	0.0	0.0	**0.1**
Station 3 (East)	1100	0.0	0.0	**0.0**
Station 4 (South)	1109	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1118	0.024	0.009	**0.045**
Station 2 (North)	1050	0.020	0.006	**0.011**
Station 3 (East)	1100	0.018	0.008	**0.022**
Station 4 (South)	1109	0.031	0.009	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1118	75	65 - 70	**66**
Station 2 (North)	1050	70	50 - 55	**65**
Station 3 (East)	1100	68	55 - 60	**61**
Station 4 (South)	1109	87	70 - 75	**90**

General Comments:

Excavating and hauling. No odors at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic in background.

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/18/2011	**2. Weather:**	19 deg F, clear, W wind at 12 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1303	0.0	0.0	**0.1**
Station 2 (North)	1312	0.0	0.0	**0.1**
Station 3 (East)	1321	0.0	0.0	**0.0**
Station 4 (South)	1329	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1303	0.026	0.006	**0.045**
Station 2 (North)	1312	0.013	0.006	**0.011**
Station 3 (East)	1321	0.014	0.005	**0.022**
Station 4 (South)	1329	0.018	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1303	68	55 - 60	**66**
Station 2 (North)	1312	70	50 - 55	**65**
Station 3 (East)	1321	66	55 - 60	**61**
Station 4 (South)	1329	84	70 - 75	**90**

General Comments:

Excavating and hauling. No odors at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Air traffic in background.

Station 3 (35th St N):
Birds are noise maximum.

Station 4 (Hwy 5):
Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/21/2011	**2. Weather:**	21 deg F, Heavy Snow, E wind @ 14 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) na

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	nm	nm	nm	**0.1**
Station 2 (North)	nm	nm	nm	**0.1**
Station 3 (East)	nm	nm	nm	**0.0**
Station 4 (South)	nm	nm	nm	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1238	0.230	0.137	**0.045**
Station 2 (North)	1146	0.129	0.019	**0.011**
Station 3 (East)	1155	0.028	0.004	**0.022**
Station 4 (South)	1230	0.043	0.009	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1238	68	60 - 65	**66**
Station 2 (North)	1146	67	52 - 57	**65**
Station 3 (East)	1155	60	50 - 55	**61**
Station 4 (South)	1230	84	<70	**90**

General Comments:

Backfilling with clean sand only. Progressively heavier snow fall is influencing dust monitor readings (esp. station #1). The dust monitor appears to be picking up the heavy snowfall, thus the increase in average readings & maximum spikes. No VOC monitoring due to lack of P.I.D. on-site. This equipment was discovered stolen from work trailer earlier this morning, and a replacement unit has been ordered.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
Car traffic in background. No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Car traffic in background. No odors.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/21/2011	**2. Weather:**	21 deg F, heavy snow, ESE wind @ 15 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1346	0.0	0.0	**0.1**
Station 2 (North)	1326	0.0	0.0	**0.1**
Station 3 (East)	1333	0.0	0.0	**0.0**
Station 4 (South)	1340	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1346	0.169	0.056	**0.045**
Station 2 (North)	1326	0.190	0.061	**0.011**
Station 3 (East)	1333	0.088	0.033	**0.022**
Station 4 (South)	1340	0.050	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1346	64	55 - 60	**66**
Station 2 (North)	1326	58	50 - 55	**65**
Station 3 (East)	1333	58	50 - 55	**61**
Station 4 (South)	1340	80	<70	**90**

General Comments:

Backfilling with clean sand only. Heavy snow fall is influencing dust monitor readings. The dust monitor is reading the precipitation as a "false positive" reading. Zero or no-detection readings on the photo-ionizing detector confirm the lack of off-site migration of any construction-related particulates.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Car traffic in background. No odors.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/22/2011	**2. Weather:**	20 deg F, SE wind @ 8 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:15	0.0	0.0	**0.1**
Station 2 (North)	13:25	0.0	0.0	**0.1**
Station 3 (East)	13:36	0.0	0.0	**0.0**
Station 4 (South)	13:58	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:15	0.009	0.007	**0.045**
Station 2 (North)	13:25	0.018	0.008	**0.011**
Station 3 (East)	13:36	0.014	0.006	**0.022**
Station 4 (South)	13:58	0.015	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:15	60	55	**66**
Station 2 (North)	13:25	61	54	**65**
Station 3 (East)	13:36	55	50	**61**
Station 4 (South)	13:58	85	75	**90**

General Comments:

Backfilling A1-8 and A1-9, heavy snow cover on site, no odors.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Dump truck and bulldozer working immediately adjacent in cells A1-9.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/22/2011	**2. Weather:**	23 deg F, SE wind @ 9 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:50	0.0	0.0	**0.1**
Station 2 (North)	15:00	0.0	0.0	**0.1**
Station 3 (East)	15:08	0.0	0.0	**0.0**
Station 4 (South)	15:17	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:50	0.014	0.006	**0.045**
Station 2 (North)	15:00	0.013	0.005	**0.011**
Station 3 (East)	15:08	0.021	0.006	**0.022**
Station 4 (South)	15:17	0.023	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:50	68	55	**66**
Station 2 (North)	15:00	60	55	**65**
Station 3 (East)	15:08	50	50	**61**
Station 4 (South)	15:17	70	65	**90**

General Comments:

No odors, backfilling

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/23/2011	**2. Weather:**	sunny 30 deg F, SW wind @ 10 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:45	0.0	0.0	**0.1**
Station 2 (North)	10:54	0.0	0.0	**0.1**
Station 3 (East)	11:05	0.0	0.0	**0.0**
Station 4 (South)	11:18	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:45	0.043	0.030	**0.045**
Station 2 (North)	10:54	0.067	0.025	**0.011**
Station 3 (East)	11:05	0.032	0.027	**0.022**
Station 4 (South)	11:18	0.047	0.028	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:45	75	55	**66**
Station 2 (North)	10:54	60	55	**65**
Station 3 (East)	11:05	63	55	**61**
Station 4 (South)	11:18	76	63	**90**

General Comments:

No odors, direct loading B1-3 and B2-7

Station 1 (Granada Ave):
No odors. Tractor-trailer entering site

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/23/2011	**2. Weather:**	sunny 30 deg F, S wind @ 10 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:12	0.0	0.0	**0.1**
Station 2 (North)	15:19	0.3	0.0	**0.1**
Station 3 (East)	15:27	0.0	0.0	**0.0**
Station 4 (South)	15:41	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:12	0.043	0.032	**0.045**
Station 2 (North)	15:19	0.044	0.040	**0.011**
Station 3 (East)	15:27	0.044	0.041	**0.022**
Station 4 (South)	15:41	0.062	0.049	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:12	64	58	**66**
Station 2 (North)	15:19	59	55	**65**
Station 3 (East)	15:27	57	55	**61**
Station 4 (South)	15:41	85	70	**90**

General Comments:

Direct loading B2-7 , odors detected around 1300 hrs by W. Westley on Upper 35th St.

Station 1 (Granada Ave):
No odors

Station 2 (Upper 35th St N):
Slight intermittent odors detected in an approx. 50ft wide zone immediately downwind (north) of B2-7 and the load-out zone

Station 3 (35th St N):
No odors

Station 4 (Hwy 5):
No odors, noise from moderate traffic, equipment is idling

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/24/2011	**2. Weather:**	22 deg F, overcast, NW wind @ 7 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1030	0.0	0.0	**0.1**
Station 2 (North)	1005	0.0	0.0	**0.1**
Station 3 (East)	1015	0.0	0.0	**0.0**
Station 4 (South)	1024	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1030	0.019	0.016	**0.045**
Station 2 (North)	1005	0.024	0.020	**0.011**
Station 3 (East)	1015	0.024	0.017	**0.022**
Station 4 (South)	1024	0.029	0.019	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1030	64	55 - 60	**66**
Station 2 (North)	1005	70	51 - 56	**65**
Station 3 (East)	1015	56	50 - 55	**61**
Station 4 (South)	1024	83	70 - 75	**90**

General Comments:

Excavating and hauling today of soil bock B2-7 layer #2 material (4' - 9' BGS).

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
Very slight odor present.

Station 4 (Hwy 5):
Car traffic in background. Discernable odor present (station is downwind of excavation). Information reported to M. Hostrawser.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/24/2011	**2. Weather:**	26 deg F, cloudy NNW wind @ 5 mph
3. Prepared By:	Kevin Smith		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:30	0.0	0.0	**0.1**
Station 2 (North)	15:37	0.0	0.0	**0.1**
Station 3 (East)	15:55	0.0	0.0	**0.0**
Station 4 (South)	16:04	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:30	0.015	0.010	**0.045**
Station 2 (North)	15:37	0.022	0.009	**0.011**
Station 3 (East)	15:55	0.009	0.005	**0.022**
Station 4 (South)	16:04	NR	NR	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:30	68	55	**66**
Station 2 (North)	15:37	63	50	**65**
Station 3 (East)	15:55	62	55	**61**
Station 4 (South)	16:04	73	65	**90**

General Comments:

direct loading B2-8

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors

Station 3 (35th St N):
no odors

Station 4 (Hwy 5):
intermittant odor, PDR battery died no readings (NR)

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/25/2011	**2. Weather:**	4 deg F, mostly clear, NNW wind @ 5.1 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1201	0.0	0.0	**0.1**
Station 2 (North)	1129	0.0	0.0	**0.1**
Station 3 (East)	1137	0.0	0.0	**0.0**
Station 4 (South)	1144	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1201	0.014	0.002	**0.045**
Station 2 (North)	1129	0.009	0.002	**0.011**
Station 3 (East)	1137	0.014	0.002	**0.022**
Station 4 (South)	1144	0.014	0.004	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1201	76	55 - 60	**66**
Station 2 (North)	1129	68	<50	**65**
Station 3 (East)	1137	54	<50	**61**
Station 4 (South)	1144	86	70 - 75	**90**

General Comments:

Excavating and hauling today. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Slight odor present. Car traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/28/2011	**2. Weather:**	29 ^{0}F, clear, S/SE wind at 2.3 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:15	0.0	0.0	**0.1**
Station 2 (North)	13:24	0.0	0.0	**0.1**
Station 3 (East)	13:33	0.0	0.0	**0.0**
Station 4 (South)	13:41	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:15	0.070	0.020	**0.045**
Station 2 (North)	13:24	0.095	0.020	**0.011**
Station 3 (East)	13:33	0.025	0.008	**0.022**
Station 4 (South)	13:41	0.466	0.103	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:15	70	55 - 65	**66**
Station 2 (North)	13:24	70	< 50	**65**
Station 3 (East)	13:33	< 50	< 50	**61**
Station 4 (South)	13:41	84	58 - 68	**90**

General Comments:

Bolander is excavating direct load material from Soil Block B2-9 and hauling to SKB. No odors detected at any station. The maximum dust readings at all stations were due to vehicle traffic.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (10 cars) <50 - 70 dBA. No haul trucks entered or left the site during monitoring event. Vehicle traffic on Highway 5 was recorded at 61 - 67 dBA. The maximum dust reading was recorded as three cars passed consecutively.

Station 2 (Upper 35th St N):
Three cars passed monitoring station on Upper 35th Street N during monitoring event (70, 66, 68 dBA). Site banging was recorded at <50 dBA.

Station 3 (35th St N):
No vehicle traffic on 35th Street N. Site engines and beeping were noted (all <50 dBA).

Station 4 (Hwy 5):
Site equipment was recorded at <50 dBA and beeping/banging was recorded at <50 - 61 dBA. Traffic on Highway 5 east was measured at 55 - 69 dBA and traffic on Highway 5 west was measured at 62 - 84 dBA. Max sound and dust was recorded as MNDOT dump truck hauling snow passed heading west on highway 5.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	2/28/2011	**2. Weather:**	24 ^{0}F, clear, SE wind at 6.9 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	16:14	0.0	0.0	**0.1**
Station 2 (North)	16:21	0.0	0.0	**0.1**
Station 3 (East)	16:30	0.0	0.0	**0.0**
Station 4 (South)	16:38	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	16:14	0.025	0.016	**0.045**
Station 2 (North)	16:21	0.022	0.016	**0.011**
Station 3 (East)	16:30	0.020	0.012	**0.022**
Station 4 (South)	16:38	0.039	0.013	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	16:14	71	55 - 65	**66**
Station 2 (North)	16:21	65	<50	**65**
Station 3 (East)	16:30	52	<50	**61**
Station 4 (South)	16:38	79	65 - 75	**90**

General Comments:

End of hauling activities (direct load to SKB). A slight chemical/solvent odor detected at Station 2.

Station 1 (Granada Ave):
Heavy vehicle traffic on Granada Avenue (16 cars) 57 - 69 dBA. Vehicle traffic on Highway 5 was recorded at 55 - 67 dBA.

Station 2 (Upper 35th St N):
Two cars passed monitoring station on Upper 35th Street N during monitoring event (65, <50 dBA). Site banging was recorded at <50 dBA and beeping was measured at <50-52.

Station 3 (35th St N):
One car on 35th Street N. (<50 dBA).

Station 4 (Hwy 5):
Site equipment was recorded at 55- 61 dBA (engines and beeping). Traffic on Highway 5 east was measured at 59 - 62 dBA and traffic on Highway 5 west was measured at 65 - 80 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/1/2011	**2. Weather:**	26 deg F, overcast, WNW wind at 7 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1230	0.0	0.0	**0.1**
Station 2 (North)	1144	0.0	0.0	**0.1**
Station 3 (East)	1209	0.0	0.0	**0.0**
Station 4 (South)	1223	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1230	0.051	0.010	**0.045**
Station 2 (North)	1144	0.015	0.009	**0.011**
Station 3 (East)	1209	0.013	0.006	**0.022**
Station 4 (South)	1223	0.020	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1230	76	60 - 65	**66**
Station 2 (North)	1240	60	52 - 57	**65**
Station 3 (East)	1209	64	55 - 60	**61**
Station 4 (South)	1223	84	<70	**90**

General Comments:

Excavating and hauling today. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
Slight odor present.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/1/2011	**2. Weather:**	26 deg F, mostly clear, WNW wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1551	0.0	0.0	**0.1**
Station 2 (North)	1520	0.0	0.0	**0.1**
Station 3 (East)	1528	0.0	0.0	**0.0**
Station 4 (South)	1536	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1551	0.032	0.018	**0.045**
Station 2 (North)	1520	0.019	0.012	**0.011**
Station 3 (East)	1528	0.025	0.013	**0.022**
Station 4 (South)	1536	nm	nm	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1551	68	57 - 62	**66**
Station 2 (North)	1520	65	50 - 55	**65**
Station 3 (East)	1528	58	50 - 55	**61**
Station 4 (South)	1536	88	70 - 75	**90**

General Comments:

Excavating only. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors. Air traffic (noise) in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise). Unable to complete dust level readings due to battery failure. Other sampling equipment readings and lack of odor suggests that there is likely not enough of a dust issue to warrant another sampling event at this time.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date: 3/2/2011	**2. Weather:** -2 deg F, mostly clear, NE wind at 4 mph
3. Prepared By: J.Hunter	

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1054	0.0	0.0	**0.1**
Station 2 (North)	1020	0.0	0.0	**0.1**
Station 3 (East)	1028	0.0	0.0	**0.0**
Station 4 (South)	1037	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1054	0.033	0.010	**0.045**
Station 2 (North)	1020	0.014	0.009	**0.011**
Station 3 (East)	1028	0.014	0.009	**0.022**
Station 4 (South)	1037	0.117	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1054	72	60 - 65	**66**
Station 2 (North)	1020	53	< 50	**65**
Station 3 (East)	1028	68	52 - 57	**61**
Station 4 (South)	1037	85	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date: 3/2/2011	**2. Weather:** -2 deg F, mostly clear, NE wind at 3 mph
3. Prepared By: J.Hunter	

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1352	0.0	0.0	**0.1**
Station 2 (North)	1325	0.0	0.0	**0.1**
Station 3 (East)	1335	0.0	0.0	**0.0**
Station 4 (South)	1341	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1352	0.020	0.011	**0.045**
Station 2 (North)	1325	0.013	0.007	**0.011**
Station 3 (East)	1335	0.012	0.008	**0.022**
Station 4 (South)	1341	0.063	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1352	70	60 - 65	**66**
Station 2 (North)	1325	70	50 - 55	**65**
Station 3 (East)	1335	64	52 - 57	**61**
Station 4 (South)	1341	85	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/3/2011	**2. Weather:**	19 deg F, overcast, ESE wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1210	0.0	0.0	**0.1**
Station 2 (North)	1147	0.0	0.0	**0.1**
Station 3 (East)	1157	0.0	0.0	**0.0**
Station 4 (South)	1205	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1210	0.025	0.020	**0.045**
Station 2 (North)	1147	0.023	0.012	**0.011**
Station 3 (East)	1157	0.020	0.013	**0.022**
Station 4 (South)	1205	0.028	0.017	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1210	74	60 - 65	**66**
Station 2 (North)	1147	69	52 - 57	**65**
Station 3 (East)	1157	70	55 - 60	**61**
Station 4 (South)	1205	86	< 70	**90**

General Comments:

Excavation and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors. Air traffic (noise) in background.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/3/2011	**2. Weather:**	29 deg F, overcast, ESE wind @ 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1544	0.0	0.0	**0.1**
Station 2 (North)	1526	0.0	0.0	**0.1**
Station 3 (East)	1532	0.0	0.0	**0.0**
Station 4 (South)	1538	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1544	0.031	0.020	**0.045**
Station 2 (North)	1526	0.023	0.019	**0.011**
Station 3 (East)	1532	0.022	0.018	**0.022**
Station 4 (South)	1538	0.071	0.030	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1544	69	60 - 65	**66**
Station 2 (North)	1526	70	50 - 55	**65**
Station 3 (East)	1532	60	50 - 55	**61**
Station 4 (South)	1538	89	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/4/2011	**2. Weather:**	29^0F, overcast with very light snow, N/NE wind at 4.6 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:22	0.0	0.0	**0.1**
Station 2 (North)	10:29	0.0	0.0	**0.1**
Station 3 (East)	10:38	0.0	0.0	**0.0**
Station 4 (South)	10:47	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:22	0.032	0.028	**0.045**
Station 2 (North)	10:29	0.041	0.034	**0.011**
Station 3 (East)	10:38	0.042	0.037	**0.022**
Station 4 (South)	10:47	0.060	0.043	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:22	69	<50 - 60	**66**
Station 2 (North)	10:29	66	<50	**65**
Station 3 (East)	10:38	66	<50	**61**
Station 4 (South)	10:47	74	55 - 65	**90**

General Comments:

Hauling stockpile material from Soil Block B1-11 to SKB and hauling backfill material (SKB sand) to the Site. A slight chemical/solvent odor detected at Station 4.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (10 cars) 56 - 69 dBA. Vehicle traffic on Highway 5 was recorded at 52 - 58 dBA. No haul trucks entered or left the site during the Station 1 monitoring event. Site activities (tailgate banging) was measured at 53, 60 and 61 dBA.

Station 2 (Upper 35th St N):
Two cars passed monitoring station on Upper 35th Street N during monitoring event (66, 57 dBA). Site engines were measured at <50 dBA, banging was recorded at <50 - 51 dBA and beeping was measured at <50-52.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at <50 - 54 dBA, beeping <50 - 56 dBA and banging from <50 - 66. Air traffic was measured at 53 - 61 dBA.

Station 4 (Hwy 5):
Site equipment was recorded at 57 - 66 dBA (engines, banging and beeping). Traffic on Highway 5 east was measured at 67 - 74 dBA and traffic on Highway 5 west was measured at 55 - 61 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/4/2011	**2. Weather:**	27^0F, overcast, N wind at 7.8 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:35	0.0	0.0	**0.1**
Station 2 (North)	14:43	0.0	0.0	**0.1**
Station 3 (East)	14:52	0.0	0.0	**0.0**
Station 4 (South)	15:00	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:35	0.070	0.046	**0.045**
Station 2 (North)	14:43	0.055	0.041	**0.011**
Station 3 (East)	14:52	0.051	0.046	**0.022**
Station 4 (South)	15:00	0.060	0.051	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:35	67	50 - 60	**66**
Station 2 (North)	14:43	66	<50	**65**
Station 3 (East)	14:52	62	<50 - 55	**61**
Station 4 (South)	15:00	75	60 - 70	**90**

General Comments:

End of daily hauling activities (stockpile and direct load material to SKB). Bolander ripping frost layer and transferring backfill material (SKB sand) into the exclusion zone. A slight chemical/solvent odor detected at Station 4.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (14 cars) was measured at <50 - 67 dBA. Vehicle traffic on Highway 5 was recorded at <50 - 62 dBA.

Station 2 (Upper 35th St N):
Six cars passed monitoring station on Upper 35th Street N during monitoring event (55 - 66 dBA). Site engines were measured at <50 dBA and beeping was recorded at <50-51 dBA. Air traffic was measured at <50 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site ripping activities were measured at <50 - 59 dBA, beeping was measured at <50 - 62 dBA, and engines were measured at <50 - 50 dBA.

Station 4 (Hwy 5):
Site equipment engine noises were recorded at <50 - 57 dBA. During the transfer of sand into the exclusion zone the banging of the loader bucket was recorded in spikes from 66 - 72 dBA. Traffic on Highway 5 east was measured at 69 - 75 dBA and traffic on Highway 5 west was measured at 59 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/5/2011	**2. Weather:**	20^0F, Clear, N/NE wind at 6.3 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	9:50	0.0	0.0	**0.1**
Station 2 (North)	9:59	0.0	0.0	**0.1**
Station 3 (East)	10:10	0.0	0.0	**0.0**
Station 4 (South)	10:18	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	9:50	0.101	0.016	**0.045**
Station 2 (North)	9:59	0.011	0.007	**0.011**
Station 3 (East)	10:10	0.009	0.006	**0.022**
Station 4 (South)	10:18	0.046	0.016	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	9:50	68	50 - 55	**66**
Station 2 (North)	9:59	70	<50	**65**
Station 3 (East)	10:10	57	50 - 55	**61**
Station 4 (South)	10:18	72	55 - 65	**90**

General Comments:

Bolander ripping frost in Layer 1 and transferring backfill material (SKB sands) into the exclusion zone. A slight chemical/solvent odor detected at Station 4 (downwind).

Station 1 (Granada Ave):
Low vehicle traffic on Granada Avenue (7 cars) 57 - 63 dBA. Vehicle traffic on Highway 5 was recorded at <50 - 61 dBA. Site activities (associated with ripping) were measured at <50 - 52 dBA.

Station 2 (Upper 35th St N):
Two cars passed monitoring station on Upper 35th Street N during monitoring event (70, 62 dBA). Site engines, banging and beeping were measured at <50 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at 50 - 55 dBA, beeping 52 - 54 dBA and banging from <50 - 57 dBA.

Station 4 (Hwy 5):
Site equipment was recorded at 55 - 63 dBA, beeping was recorded at 57 - 67 dBA and the loader duping sand and banging bucket clean was recorded at 56 - 62 dBA. Traffic on Highway 5 east was measured at 54 - 57 dBA and traffic on Highway 5 west was measured at 66 - 72 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/7/2011	**2. Weather:**	26 deg F, overcast, NE wind at 2.5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1351	0.0	0.0	**0.1**
Station 2 (North)	1326	0.0	0.0	**0.1**
Station 3 (East)	1334	0.0	0.0	**0.0**
Station 4 (South)	1343	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1351	0.018	0.015	**0.045**
Station 2 (North)	1326	0.020	0.011	**0.011**
Station 3 (East)	1334	0.015	0.011	**0.022**
Station 4 (South)	1343	0.018	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1351	73	65 - 70	**66**
Station 2 (North)	1326	70	55 - 60	**65**
Station 3 (East)	1334	56	50 - 55	**61**
Station 4 (South)	1343	84	70 - 75	**90**

General Comments:

Backfilling only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Very slight odor present. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/7/2011	**2. Weather:**	26 deg F, overcast, NE wind at 2.5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1449	0.0	0.0	**0.1**
Station 2 (North)	1424	0.0	0.0	**0.1**
Station 3 (East)	1432	0.0	0.0	**0.0**
Station 4 (South)	1441	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1449	0.024	0.019	**0.045**
Station 2 (North)	1424	0.019	0.013	**0.011**
Station 3 (East)	1432	0.054	0.016	**0.022**
Station 4 (South)	1441	0.023	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1449	77	66 - 71	**66**
Station 2 (North)	1424	70	57 - 62	**65**
Station 3 (East)	1432	57	50 - 55	**61**
Station 4 (South)	1441	83	<70	**90**

General Comments:

Backfilling only. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/8/2011	**2. Weather:**	32^0F, Clear, N/NE wind at 9.0 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:18	0.0	0.0	**0.1**
Station 2 (North)	10:27	0.0	0.0	**0.1**
Station 3 (East)	10:37	0.0	0.0	**0.0**
Station 4 (South)	10:46	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:18	0.065	0.052	**0.045**
Station 2 (North)	10:27	0.054	0.049	**0.011**
Station 3 (East)	10:37	0.056	0.051	**0.022**
Station 4 (South)	10:46	0.078	0.061	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:18	70	55 - 60	**66**
Station 2 (North)	10:27	65	<50	**65**
Station 3 (East)	10:37	55	<50	**61**
Station 4 (South)	10:46	78	60 - 65	**90**

General Comments:

Bolander transferring backfill material (SKB sands) into the exclusion zone. No odor detected at any station.

Station 1 (Granada Ave):
Low vehicle traffic on Granada Avenue (7 cars) 53 - 70 dBA. Vehicle traffic on Highway 5 was recorded at 52 - 62 dBA. Site activities (beeping and banging) were measured at <50 dBA.

Station 2 (Upper 35th St N):
Two cars passed monitoring station on Upper 35th Street N during monitoring event (65, 63 dBA). Site engines, banging and beeping were measured at <50 - 50 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at <50 dBA, beeping <50 - 51 dBA and banging at 55 dBA. Air traffic was measured at <50 - 51 dBA.

Station 4 (Hwy 5):
Site equipment was recorded at 62 - 67 dBA, beeping was recorded at 55 - 69 dBA and the loader dumping sand and banging bucket clean was recorded at 59 - 67 dBA. Traffic on Highway 5 east was measured at 59 - 62 dBA and traffic on Highway 5 west was measured at 68 - 78 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/8/2011	**2. Weather:**	38^0F, Cloudy E/NE wind at 13.0 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:18	0.0	0.0	**0.1**
Station 2 (North)	14:27	0.0	0.0	**0.1**
Station 3 (East)	14:36	0.0	0.0	**0.0**
Station 4 (South)	14:45	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:18	0.064	0.060	**0.045**
Station 2 (North)	14:27	0.063	0.059	**0.011**
Station 3 (East)	14:36	0.064	0.056	**0.022**
Station 4 (South)	14:45	0.077	0.066	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:18	>70	50 - 60	**66**
Station 2 (North)	14:27	63	<50	**65**
Station 3 (East)	14:36	54	<50	**61**
Station 4 (South)	14:45	79	55 - 65	**90**

General Comments:

Bolander transferring backfill material (SKB sands) into the exclusion zone. Slight odor detected at Station 4.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (10 cars) 55 - >70 dBA. Vehicle traffic on Highway 5 was recorded at 50 - 60 dBA. Site activities (beeping) was measured at <50-51 dBA and the equipment (2 bulldozer maintaining SKB sand piles) was measured at <50 - 54.

Station 2 (Upper 35th St N):
One car passed monitoring station on Upper 35th Street N during monitoring event (63 dBA). Site engines, bulldozer and beeping were measured at <50 - 57 dBA and <50 - 55 dBA respectively.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at <50 - 50 dBA, beeping <50 - 54 dBA and the bulldozers were measured at <50 - 53 dBA.

Station 4 (Hwy 5):
Site equipment (bulldozers and off-road haul truck) was recorded at 55 - 72 dBA, beeping was recorded at 66 - 74 dBA and the loader dumping sand and banging the loader bucket clean was recorded at 55 - 60 dBA. Traffic on Highway 5 east was measured at 62 - 65 dBA and traffic on Highway 5 west was measured at >70 - 79 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/9/2011	**2. Weather:**	34^0F, light snow N wind at 4.2 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:20	0.0	0.0	**0.1**
Station 2 (North)	10:30	0.0	0.0	**0.1**
Station 3 (East)	10:39	0.0	0.0	**0.0**
Station 4 (South)	10:48	5.2*	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:20	0.000	0.000	**0.045**
Station 2 (North)	10:30	0.005	0.000	**0.011**
Station 3 (East)	10:39	0.003	0.000	**0.022**
Station 4 (South)	10:48	0.017	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:20	81	53 - 60	**66**
Station 2 (North)	10:30	64	<50	**65**
Station 3 (East)	10:39	61	<50 - 55	**61**
Station 4 (South)	10:48	79	55 - 65	**90**

General Comments:

Bolander hauling direct load material from Soil Block B1-19 to SKB. Bolander excavating material from Soil Block B1-19 and temporarily staging it next to the load out zone. A chemical/solvent odor was detected at Station 4 (downwind)

Station 1 (Granada Ave):

Low vehicle traffic on Granada Avenue (6 cars) 61 - 81 dBA. Vehicle traffic on Highway 5 was recorded at 55 - 61 dBA. Site activities (beeping and banging) were measured at 52-56 dBA. The maximum noise reading (81 dBA) was due to a Haul Truck entering the site.

Station 2 (Upper 35th St N):

Two cars passed monitoring station on Upper 35th Street N during monitoring event (55, 64 dBA). Site engines, beeping and banging were measured at <50 - 51 dBA.

Station 3 (35th St N):

No cars on 35th Street N during the monitoring event. Site engines were measured at 50 - 54 dBA, beeping was measured at <50 - 53 dBA, banging of equipment (tailgate and loader bucket) were measured at 51 - 61 dBA and equipment horns were measured at 57 dBA. Overhead air traffic was recorded at <50 - 54 dBA.

Station 4 (Hwy 5):

Site equipment (loading activities) were recorded at 55 - 60 dBA. Traffic on Highway 5 east was measured at 57 - 63 dBA and traffic on Highway 5 west was measured at 63 - 79 dBA. The maximum noise reading (79 dBA) was recorded as a haul truck passes the monitoring station on Highway 5 West.

* PID readings at Station 4 were usually 0.0 ppm. Temporary spike up to 5.2 was one time and readings immediately dropped back down to 0.0 ppm. Average spikes were 0.8 - 1.2 and were only momentary (1-2 seconds). Spikes associated with loading of haul trucks and dumping excavated material onto staging areas near the load out zone.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/9/2011	**2. Weather:**	36 ^{0}F, light snow, N/NE wind at 6.6 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:43	0.0	0.0	**0.1**
Station 2 (North)	15:51	0.0	0.0	**0.1**
Station 3 (East)	16:00	0.0	0.0	**0.0**
Station 4 (South)	16:09	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:43	0.008	0.000	**0.045**
Station 2 (North)	15:51	0.007	0.000	**0.011**
Station 3 (East)	16:00	0.005	0.000	**0.022**
Station 4 (South)	16:09	0.032	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:43	68	55 - 65	**66**
Station 2 (North)	15:51	62	<50	**65**
Station 3 (East)	16:00	63	50 - 55	**61**
Station 4 (South)	16:09	76	58-68	**90**

General Comments:

End of daily hauling activities (stockpile material from Soil Blocks B1-19 & B1-12 to SKB). Bolander staging some direct load material from Soil Block B1-12 for load out on 3/10. A slight chemical/solvent odor detected at Station 4.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (15 cars) was measured at 54 - 68 dBA. Vehicle traffic on Highway 5 was recorded at <50 - 66 dBA. Site activities were audible but were <50 dBA.

Station 2 (Upper 35th St N):
Three cars passed monitoring station on Upper 35th Street N during monitoring event (57 - 62 dBA). Site noises (engines and beeping) were measured at <50 dBA. Air traffic was measured at <50 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site activities (engines, beeping and banging) averaged <50 - 55 dBA with banging spikes measured at 57, 60 and 63 dBA. Air traffic was measured at <50 dBA.

Station 4 (Hwy 5):
Site equipment engine noises were recorded at 55 - 65 dBA, beeping was measured at 61 - 68 dBA and banging was measured at 62 - 66 dBA. Traffic on Highway 5 east was measured at 57 - 63 dBA and traffic on Highway 5 west was measured at 61 - 73 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/10/2011	**2. Weather:**	35^{0}F, Clear 4.9 mph W
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:36	0.0	0.0	**0.1**
Station 2 (North)	15:44	0.0	0.0	**0.1**
Station 3 (East)	15:53	0.0	0.0	**0.0**
Station 4 (South)	16:01	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:36	0.138	0.058	**0.045**
Station 2 (North)	15:44	0.025	0.023	**0.011**
Station 3 (East)	15:53	0.042	0.030	**0.022**
Station 4 (South)	16:01	0.041	0.028	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:36	77	65 - 70	**66**
Station 2 (North)	15:44	66	<50	**65**
Station 3 (East)	15:53	67	50 - 55	**61**
Station 4 (South)	16:01	74	60 - 70	**90**

General Comments:

End of daily hauling activities (Bolander hauled 49 loads of direct load material to SKB from Soil Blocks B1-12, B1-13, B1-14 & B1-4). Bolander currently staging direct load material from Soil Block B1-14 next to the load out zone for hauling on 3/11 and maintaining/cleaning the site access on Granada Avenue. A slight chemical/solvent odor was detected at Station 3. This odor was not sustained during the entire monitoring event at Station 3.

Station 1 (Granada Ave):

Moderate vehicle traffic on Granada Avenue (9 cars) 58 - 67 dBA. Vehicle traffic on Highway 5 was recorded at 55 - 64 dBA. Site activities on Granada Avenue were measured at 64 - 67 dBA.

Station 2 (Upper 35th St N):

Three cars passed monitoring station on Upper 35th Street N during monitoring event (62, 63, and 66 dBA). Site activities were measured at <50 dBA.

Station 3 (35th St N):

No cars on 35th Street N during the monitoring event. Site excavating activities were measured at <50 - 67 dBA, averaging 50 - 55 dBA.

Station 4 (Hwy 5):

Site excavation activities were recorded at <50 - 67 dBA (engines, banging and beeping). Traffic on Highway 5 west was measured at 65 - 74 dBA and traffic on Highway 5 east was measured at 55 - 60 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/11/2011	**2. Weather:**	38 deg F, pt. sunny, SE wind at 13 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1247	0.0	0.0	**0.1**
Station 2 (North)	1417	0.0	0.0	**0.1**
Station 3 (East)	1428	0.0	0.0	**0.0**
Station 4 (South)	1437	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1247	0.040	0.011	**0.045**
Station 2 (North)	1417	0.012	0.008	**0.011**
Station 3 (East)	1428	0.015	0.007	**0.022**
Station 4 (South)	1437	0.047	0.014	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1247	66	55 - 60	**66**
Station 2 (North)	1417	70	52 - 57	**65**
Station 3 (East)	1428	70	58 - 63	**61**
Station 4 (South)	1437	85	77 - 82	**90**

General Comments:

Excavation and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/11/2011	**2. Weather:**	40 deg F, mostly clear, S wind at 14 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1536	0.0	0.0	**0.1**
Station 2 (North)	1514	0.0	0.0	**0.1**
Station 3 (East)	1523	0.0	0.0	**0.0**
Station 4 (South)	1530	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1536	0.022	0.014	**0.045**
Station 2 (North)	1514	0.024	0.014	**0.011**
Station 3 (East)	1523	0.015	0.010	**0.022**
Station 4 (South)	1530	0.026	0.013	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1536	74	60 - 65	**66**
Station 2 (North)	1514	69	55 - 60	**65**
Station 3 (East)	1523	59	50 - 55	**61**
Station 4 (South)	1530	84	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/14/2011	**2. Weather:**	31 deg F, clear, S wind at 7.9 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1204	0.0	0.0	**0.1**
Station 2 (North)	1223	0.0	0.0	**0.1**
Station 3 (East)	1231	0.0	0.0	**0.0**
Station 4 (South)	1242	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1204	0.073	0.032	**0.045**
Station 2 (North)	1223	0.030	0.024	**0.011**
Station 3 (East)	1231	0.042	0.027	**0.022**
Station 4 (South)	1242	0.052	0.039	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1204	74	65 - 70	**66**
Station 2 (North)	1223	70	58 - 63	**65**
Station 3 (East)	1231	55	50 - 55	**61**
Station 4 (South)	1242	83	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Car traffic in background (noise).

Station 2 (Upper 35th St N):
No odors. Car traffic in background (noise).

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/14/2011	**2. Weather:**	36 deg F, clear, S wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1446	0.0	0.0	**0.1**
Station 2 (North)	1453	0.0	0.0	**0.1**
Station 3 (East)	1502	0.0	0.0	**0.0**
Station 4 (South)	1510	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1446	0.044	0.025	**0.045**
Station 2 (North)	1453	0.023	0.019	**0.011**
Station 3 (East)	1502	0.034	0.018	**0.022**
Station 4 (South)	1510	0.041	0.026	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1446	76	60 - 65	**66**
Station 2 (North)	1453	55	50 - 55	**65**
Station 3 (East)	1502	58	52 - 57	**61**
Station 4 (South)	1510	84	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic in background (noise).

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/15/2011	**2. Weather:**	36 deg F, cloudy, SSW wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1032	0.0	0.0	**0.1**
Station 2 (North)	1045	0.3	0.0	**0.1**
Station 3 (East)	1104	0.0	0.0	**0.0**
Station 4 (South)	1055	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1032	0.047	0.027	**0.045**
Station 2 (North)	1045	0.036	0.028	**0.011**
Station 3 (East)	1104	0.032	0.022	**0.022**
Station 4 (South)	1055	0.057	0.029	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1032	71	64 - 69	**66**
Station 2 (North)	1045	62	55 - 60	**65**
Station 3 (East)	1104	71	60 - 65	**61**
Station 4 (South)	1055	80	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
Odors present.

Station 3 (35th St N):
No odors. Snow blower (noise) in background.

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/15/2011	**2. Weather:**	43 deg F, overcast w/ light rain, SW wind at 4.6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1604	0.0	0.0	**0.1**
Station 2 (North)	1613	0.0	0.0	**0.1**
Station 3 (East)	1630	0.4	0.0	**0.0**
Station 4 (South)	1621	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1604	0.043	0.027	**0.045**
Station 2 (North)	1613	0.052	0.027	**0.011**
Station 3 (East)	1630	0.064	0.032	**0.022**
Station 4 (South)	1621	0.053	0.033	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1604	78	65 - 70	**66**
Station 2 (North)	1613	57	50 - 55	**65**
Station 3 (East)	1630	>70	57 - 62	**61**
Station 4 (South)	1621	85	70 - 75	**90**

General Comments:

Excavation and stockpiling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
Odor present.

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/16/2011	**2. Weather:**	34 deg F, mostly cloudy, S wind at 4 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1118	0.0	0.0	**0.1**
Station 2 (North)	1054	0.2	0.0	**0.1**
Station 3 (East)	1103	0.0	0.0	**0.0**
Station 4 (South)	1110	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1118	0.024	0.011	**0.045**
Station 2 (North)	1054	0.026	0.011	**0.011**
Station 3 (East)	1103	0.014	0.008	**0.022**
Station 4 (South)	1110	0.038	0.014	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1118	64	50 - 55	**66**
Station 2 (North)	1054	70	54 - 59	**65**
Station 3 (East)	1103	74	60 - 65	**61**
Station 4 (South)	1110	83	< 70	**90**

General Comments:

Excavation and stockpiling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Train (noise) in background.

Station 2 (Upper 35th St N):
Slight odor present. Car traffic noise in background.

Station 3 (35th St N):
Very slight odor present.

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/16/2011	**2. Weather:**	47 deg F, mostly clear, S wind at 10 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1610	0.0	0.0	**0.1**
Station 2 (North)	1620	0.0	0.0	**0.1**
Station 3 (East)	1629	0.0	0.0	**0.0**
Station 4 (South)	1635	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1610	0.004	0.000	**0.045**
Station 2 (North)	1620	0.006	0.001	**0.011**
Station 3 (East)	1629	0.004	0.000	**0.022**
Station 4 (South)	1635	0.024	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1610	64	55 - 60	**66**
Station 2 (North)	1620	60	50 - 55	**65**
Station 3 (East)	1629	66	53 - 58	**61**
Station 4 (South)	1635	>90	70 - 75	**90**

General Comments:

Excavation and stockpiling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors. Car traffic (noise) in background.

Station 2 (Upper 35th St N):
Odor present.

Station 3 (35th St N):
No odors. Air traffic (noise) in background.

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/17/2011	**2. Weather:**	53 deg F, mostly cloudy, NW wind at 6.5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1502	0.0	0.0	**0.1**
Station 2 (North)	1430	0.0	0.0	**0.1**
Station 3 (East)	1442	0.0	0.0	**0.0**
Station 4 (South)	1451	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1502	0.024	0.014	**0.045**
Station 2 (North)	1430	0.026	0.015	**0.011**
Station 3 (East)	1442	0.014	0.013	**0.022**
Station 4 (South)	1451	0.038	0.017	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1502	69	55 - 60	**66**
Station 2 (North)	1430	>70	50 - 55	**65**
Station 3 (East)	1442	65	54 - 59	**61**
Station 4 (South)	1451	83	72 - 77	**90**

General Comments:

Excavating and hauling. No action levels were exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Slight odor present. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/18/2011	**2. Weather:**	32 deg F, mostly cloudy, W wind at 4 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1035	0.0	0.0	**0.1**
Station 2 (North)	1045	0.0	0.0	**0.1**
Station 3 (East)	1109	0.0	0.0	**0.0**
Station 4 (South)	1118	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1035	0.017	0.008	**0.045**
Station 2 (North)	1045	0.013	0.010	**0.011**
Station 3 (East)	1109	0.016	0.008	**0.022**
Station 4 (South)	1118	0.025	0.011	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1035	60	52 - 57	**66**
Station 2 (North)	1045	58	50 - 55	**65**
Station 3 (East)	1109	>70	60 - 65	**61**
Station 4 (South)	1118	83	<70	**90**

General Comments:

General activities, no excavating. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors. Residential garbage truck noise in background.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/18/2011	**2. Weather:**	38 deg F, clear, W wind at 7 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1420	0.0	0.0	**0.1**
Station 2 (North)	1355	0.0	0.0	**0.1**
Station 3 (East)	1404	0.0	0.0	**0.0**
Station 4 (South)	1413	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1420	0.029	0.011	**0.045**
Station 2 (North)	1355	0.031	0.012	**0.011**
Station 3 (East)	1404	0.019	0.011	**0.022**
Station 4 (South)	1413	0.031	0.015	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1420	68	55 - 60	**66**
Station 2 (North)	1355	>70	52 - 57	**65**
Station 3 (East)	1404	74	<60	**61**
Station 4 (South)	1413	87	70 - 75	**90**

General Comments:

Excavating and stockpiling. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/21/2011	**2. Weather:**	38 deg F, Cloud, N NW wind at 5 mph
3. Prepared By:	G. Witmer		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:05	0.0	0.0	**0.1**
Station 2 (North)	11:15	0.0	0.0	**0.1**
Station 3 (East)	11:30	0.0	0.0	**0.0**
Station 4 (South)	11:45	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:05	0.027	0.025	**0.045**
Station 2 (North)	11:15	0.034	0.024	**0.011**
Station 3 (East)	11:30	0.048	0.038	**0.022**
Station 4 (South)	11:45	0.048	0.034	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:05	67	60	**66**
Station 2 (North)	11:15	55	55	**65**
Station 3 (East)	11:30	65	55	**61**
Station 4 (South)	11:45	80	60	**90**

General Comments:

Backhauling clean sands only. No action levels exceeded.

Station 1 (Granada Ave):
Traffic noise, no construction noise recorded. No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
Excavator loading off road dump truck. Sounds of truck engine, back up alarm & horn. Faint odors.

Station 4 (Hwy 5):
Traffic noise. No construction activities. Odors detected.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/21/2011	**2. Weather:**	40 deg F, Cloudy, N NW wind at 10 mph
3. Prepared By:	G. Witmer		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:10	0.0	0.0	**0.1**
Station 2 (North)	15:15	0.0	0.0	**0.1**
Station 3 (East)	15:25	0.0	0.0	**0.0**
Station 4 (South)	15:35	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:10	0.040	0.024	**0.045**
Station 2 (North)	15:15	0.030	0.020	**0.011**
Station 3 (East)	15:25	0.020	0.016	**0.022**
Station 4 (South)	15:35	0.045	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:10	65	55	**66**
Station 2 (North)	15:15	55	50	**65**
Station 3 (East)	15:25	60	50	**61**
Station 4 (South)	15:35	90	70	**90**

General Comments:

Station 1 (Granada Ave):
Traffic noise. No odors.

Station 2 (Upper 35th St N):
Traffic noise. No odors.

Station 3 (35th St N):
Excavation work in background. No odors.

Station 4 (Hwy 5):
Excavation work in background; loading, back up alarms. Car traffic noise in background. Slight odors detected.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/22/2011	**2. Weather:**	34 deg F, Rain & Sleet, N wind at 15 mph
3. Prepared By:	G. Witmer		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:40	0.0	0.0	**0.1**
Station 2 (North)	10:58	0.0	0.0	**0.1**
Station 3 (East)	11:05	0.0	0.0	**0.0**
Station 4 (South)	11:15	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:40	0.006	0.000	**0.045**
Station 2 (North)	10:58	NA	NA	**0.011**
Station 3 (East)	11:05	0.015	0.003	**0.022**
Station 4 (South)	11:15	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:40	65	55	**66**
Station 2 (North)	10:58	55	55	**65**
Station 3 (East)	11:05	55	55	**61**
Station 4 (South)	11:15	65	60	**90**

General Comments:

PDR malfunctioned, possibly due to rain.

Station 1 (Granada Ave):
Light traffic. No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/24/2011	**2. Weather:**	25 deg F, mostly clear, W wind at 5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1308	0.0	0.0	**0.1**
Station 2 (North)	1244	0.0	0.0	**0.1**
Station 3 (East)	1253	0.0	0.0	**0.0**
Station 4 (South)	1300	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1308	0.003	0.000	**0.045**
Station 2 (North)	1244	0.009	0.000	**0.011**
Station 3 (East)	1253	0.004	0.000	**0.022**
Station 4 (South)	1300	0.014	0.001	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1308	68	59 - 64	**66**
Station 2 (North)	1244	70	< 50	**65**
Station 3 (East)	1253	56	50 - 55	**61**
Station 4 (South)	1300	86	70 - 75	**90**

General Comments:

Backhauling clean sands only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car and air traffic noise in background.

Station 3 (35th St N):
Air traffic noise in background. No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/25/2011	**2. Weather:**	28 deg F, clear, E wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)		0.0	0.0	**0.1**
Station 2 (North)	1441	0.0	0.0	**0.1**
Station 3 (East)	1448	0.0	0.0	**0.0**
Station 4 (South)	1456	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1308	0.010	0.005	**0.045**
Station 2 (North)	1244	0.017	0.005	**0.011**
Station 3 (East)	1253	0.024	0.004	**0.022**
Station 4 (South)	1300	0.012	0.005	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1308	66	58 - 63	**66**
Station 2 (North)	1244	70	< 50	**65**
Station 3 (East)	1253	56	50 - 55	**61**
Station 4 (South)	1300	87	<70	**90**

General Comments:

Backhauling clean sands only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/28/2011	**2. Weather:**	29 deg F, clear, E wind at 3 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1131	0.0	0.0	**0.1**
Station 2 (North)	1047	0.0	0.0	**0.1**
Station 3 (East)	1104	0.0	0.0	**0.0**
Station 4 (South)	1124	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1131	0.020	0.009	**0.045**
Station 2 (North)	1047	0.013	0.005	**0.011**
Station 3 (East)	1104	0.032	0.007	**0.022**
Station 4 (South)	1124	0.013	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1131	70	62 - 67	**66**
Station 2 (North)	1047	70	50 - 55	**65**
Station 3 (East)	1104	68	60 - 65	**61**
Station 4 (South)	1124	83	70 - 75	**90**

General Comments:

Excavation and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/28/2011	**2. Weather:**	35 deg F, clear, ESE wind at 5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1429	0.0	0.0	**0.1**
Station 2 (North)	1408	0.0	0.0	**0.1**
Station 3 (East)	1416	0.0	0.0	**0.0**
Station 4 (South)	1423	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1429	0.053	0.006	**0.045**
Station 2 (North)	1408	0.023	0.004	**0.011**
Station 3 (East)	1416	0.018	0.004	**0.022**
Station 4 (South)	1423	0.011	0.004	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1429	78	60 - 65	**66**
Station 2 (North)	1408	69	50 - 55	**65**
Station 3 (East)	1416	56	50 - 55	**61**
Station 4 (South)	1423	84	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/29/2011	**2. Weather:**	40^0F, Clear
3. Prepared By:	R. McLoughlin		1.9 mph S/SW

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:06	0.0	0.0	**0.1**
Station 2 (North)	11:15	0.0	0.0	**0.1**
Station 3 (East)	11:23	0.0	0.0	**0.0**
Station 4 (South)	11:30	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:06	0.107	0.011	**0.045**
Station 2 (North)	11:15	0.008	0.003	**0.011**
Station 3 (East)	11:23	0.004	0.002	**0.022**
Station 4 (South)	11:30	0.009	0.003	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:06	68	55 - 60	**66**
Station 2 (North)	11:15	57	<50	**65**
Station 3 (East)	11:23	56	<50	**61**
Station 4 (South)	11:30	77	55 - 65	**90**

General Comments:

Bolander hauling approved stockpile material from Soil Block B2-10 to SKB. Trucks are bringing clean backfill material to stage on-site (SKB sand). No odors were detected at any station.

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (8 cars) 56 - 68 dBA. Vehicle traffic on Highway 5 was recorded at <50 - 62 dBA.

Station 2 (Upper 35th St N):
One car passed monitoring station on Upper 35th Street N during monitoring event (57 dBA). Site activities were measured at <50 dBA with one spike at 55dBA. Background noises (including dogs and geese) were measured at <50 - 57 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site activities were measured at <50 dBA. Background noises (homeowner hammering ice off roof) were measured at <50 - 56 dBA.

Station 4 (Hwy 5):
Site excavation activities were recorded at <50 - 61 dBA (engines, banging and beeping). Traffic on Highway 5 west was measured at 69 - 77 dBA and traffic on Highway 5 east was measured at 61 - 67 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/30/2011	**2. Weather:**	40 deg F, clear, SE wind at 2 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1206	0.0	0.0	**0.1**
Station 2 (North)	1143	0.0	0.0	**0.1**
Station 3 (East)	1149	0.0	0.0	**0.0**
Station 4 (South)	1158	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1206	0.011	0.003	**0.045**
Station 2 (North)	1143	0.018	0.005	**0.011**
Station 3 (East)	1149	0.010	0.004	**0.022**
Station 4 (South)	1158	0.013	0.005	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1206	68	61 - 66	**66**
Station 2 (North)	1143	70	50 - 55	**65**
Station 3 (East)	1149	70	57 - 62	**61**
Station 4 (South)	1158	82	<70	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/31/2011	**2. Weather:**	40 deg F, mostly cloudy, SE wind at 4.5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1147	0.0	0.0	**0.1**
Station 2 (North)	1125	0.0	0.0	**0.1**
Station 3 (East)	1132	0.0	0.0	**0.0**
Station 4 (South)	1141	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1147	0.025	0.010	**0.045**
Station 2 (North)	1125	0.013	0.007	**0.011**
Station 3 (East)	1132	0.046	0.008	**0.022**
Station 4 (South)	1141	0.018	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1147	75	65 - 70	**66**
Station 2 (North)	1125	68	52 - 57	**65**
Station 3 (East)	1132	62	55 - 60	**61**
Station 4 (South)	1141	82	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	3/31/2011	**2. Weather:**	45 deg F, partly cloudy, SSE wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1448	0.0	0.0	**0.1**
Station 2 (North)	1332	0.0	0.0	**0.1**
Station 3 (East)	1340	0.0	0.0	**0.0**
Station 4 (South)	1352	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1448	0.029	0.019	**0.045**
Station 2 (North)	1332	0.021	0.014	**0.011**
Station 3 (East)	1340	0.040	0.014	**0.022**
Station 4 (South)	1352	0.052	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1448	70	55 - 60	**66**
Station 2 (North)	1332	70	52 - 57	**65**
Station 3 (East)	1340	61	55 - 60	**61**
Station 4 (South)	1352	84	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/1/2011	**2. Weather:**	39°F, Overcast/light rain NW wind at 9 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:07	0.0	0.0	**0.1**
Station 2 (North)	11:14	0.0	0.0	**0.1**
Station 3 (East)	11:23	0.0	0.0	**0.0**
Station 4 (South)	11:32	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:07	0.002	0.000	**0.045**
Station 2 (North)	11:14	0.007	0.003	**0.011**
Station 3 (East)	11:23	0.013	0.009	**0.022**
Station 4 (South)	11:32	0.018	0.012	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:07	79	55 - 60	**66**
Station 2 (North)	11:14	63	<50	**65**
Station 3 (East)	11:23	66	53 - 58	**61**
Station 4 (South)	11:32	77	60 - 65	**90**

General Comments:

Bolander hauling direct load material from Soil Block B2-4 to SKB and hauling SKB backfill material to the site. Maintaining backfill stockpile with bulldozer. A very slight chemical/solvent odor detected at Station 4 (downwind).

Station 1 (Granada Ave):
Heavy vehicle traffic on Granada Avenue (17 cars) 59 - 79 dBA. Vehicle traffic on Highway 5 was recorded at 55 - 61 dBA. Site activities were measured at <50 - 55 dBA. During the monitoring event one haul truck left the site (72-74 dBA).

Station 2 (Upper 35th St N):
Two cars passed monitoring station on Upper 35th Street N during monitoring event (59, 63 dBA). Site engines, bulldozer tracks, banging and beeping were measured at <50 - 53 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at 51 - 55 dBA, beeping 56 - 64 dBA and banging from 63 - 67 dBA. The off road haul truck was measured at 55 - 60 dBA. It should be noted that the excavator digging at B2-4 was visible from Station 3.

Station 4 (Hwy 5):
Site equipment was recorded at <50 - 52 dBA (no trucks were loaded during station 4 monitoring event). Traffic on Highway 5 east was measured at 63 - 71 dBA (including two haul trucks at 64 and 71 dBA) and traffic on Highway 5 west was measured at 65 - 77 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/2/2011	**2. Weather:**	45°F, Clear N/NW wind at 9 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:37	0.0	0.0	**0.1**
Station 2 (North)	10:45	0.0	0.0	**0.1**
Station 3 (East)	10:54	0.0	0.0	**0.0**
Station 4 (South)	11:02	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:37	0.055	0.014	**0.045**
Station 2 (North)	10:45	0.009	0.007	**0.011**
Station 3 (East)	10:54	0.005	0.002	**0.022**
Station 4 (South)	11:02	0.004	0.003	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:37	70	50 - 60	**66**
Station 2 (North)	10:45	62	<50	**65**
Station 3 (East)	10:54	67	<50	**61**
Station 4 (South)	11:02	76	55 - 65	**90**

General Comments:

Bolander stockpiling material from Soil Block B2-17. No odor detected at any station.

Station 1 (Granada Ave):
Heavy vehicle traffic on Granada Avenue (17 cars) 59 - 70 dBA. Vehicle traffic on Highway 5 was recorded at 55 - 65 dBA.

Station 2 (Upper 35th St N):
One car passed monitoring station on Upper 35th Street N during monitoring event (62 dBA). Site engines and beeping were measured at <50 - 51 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at <50 - 52 dBA, beeping at <50 dBA and banging from the excavator bucket at 57 - 67 dBA. The off road haul truck engine was measured at 55 - 57 dBA. It should be noted that the excavator digging at B2-17 was visible from Station 3.

Station 4 (Hwy 5):
Site equipment/excavator was recorded at <50 - 57 dBA and the off road haul truck was recorded at 57-64 as it was reversing and dumping to create a stockpile. Traffic on Highway 5 east was measured at 53 - 64 dBA and traffic on Highway 5 west was measured at 66 - 76 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/4/2011	**2. Weather:**	39°F, Overcast/light snow N/NW wind at 10.1 mph
3. Prepared By:	R. McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:27	0.0	0.0	**0.1**
Station 2 (North)	11:35	0.0	0.0	**0.1**
Station 3 (East)	11:43	0.0	0.0	**0.0**
Station 4 (South)	11:51	1.2	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:27	0.037	0.003	**0.045**
Station 2 (North)	11:35	0.007	0.001	**0.011**
Station 3 (East)	11:43	0.002	0.000	**0.022**
Station 4 (South)	11:51	0.016	0.003	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:27	83	50 - 55	**66**
Station 2 (North)	11:35	62	<50	**65**
Station 3 (East)	11:43	52	<50	**61**
Station 4 (South)	11:51	72	60 - 65	**90**

General Comments:

Bolander hauling approved stockpile material from Soil Block B2-11 to SKB and hauling SKB backfill material to the site. An intermittent, slight chemical/solvent odor detected at Station 4 (downwind).

Station 1 (Granada Ave):
Moderate vehicle traffic on Granada Avenue (11 cars) 54 - 83 dBA. Two haul trucks entered the site during Station 1 Monitoring (79 and 83 dBA). Vehicle traffic on Highway 5 was recorded at 52 - 63 dBA. Site activities were measured at <50 dBA.

Station 2 (Upper 35th St N):
No cars passed monitoring station on Upper 35th Street N during monitoring event. Site engines were measured at <50 - 52 dBA and banging was recorded at 53 dBA and 62 dBA.

Station 3 (35th St N):
No cars on 35th Street N during the monitoring event. Site engines were measured at <50 - 51 dBA banging was recorded at <50 - 52 dBA.

Station 4 (Hwy 5):
Site equipment was recorded at 55 - 67 dBA. During monitoring event (Station 4) a truck was loaded and the off-road haul truck dumped approved stockpile material on the load out staging area. Traffic on Highway 5 east was measured at 57 - 61 dBA and traffic on Highway 5 west was measured at 69 - 72 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date: 4/4/2011	**2. Weather:** 47 deg F, mostly clear, NNW wind at 9 mph
3. Prepared By: J.Hunter	

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1513	0.0	0.0	**0.1**
Station 2 (North)	1435	0.1	0.0	**0.1**
Station 3 (East)	1447	0.0	0.0	**0.0**
Station 4 (South)	1456	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1513	0.002	0.000	**0.045**
Station 2 (North)	1435	0.014	0.002	**0.011**
Station 3 (East)	1447	0.004	0.000	**0.022**
Station 4 (South)	1456	0.099	0.009	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1513	65	58 - 63	**66**
Station 2 (North)	1437	>70	50 - 55	**65**
Station 3 (East)	1447	>70	53 - 58	**61**
Station 4 (South)	1456	86	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Very slight odor. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/5/2011	**2. Weather:**	45 deg F, mostly clear, SSW wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1217	0.0	0.0	**0.1**
Station 2 (North)	1225	0.0	0.0	**0.1**
Station 3 (East)	1233	0.0	0.0	**0.0**
Station 4 (South)	1241	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1217	0.734	0.062	**0.045**
Station 2 (North)	1225	0.031	0.011	**0.011**
Station 3 (East)	1233	0.028	0.008	**0.022**
Station 4 (South)	1241	0.026	0.007	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1217	69	57 - 62	**66**
Station 2 (North)	1225	59	51 - 56	**65**
Station 3 (East)	1233	59	53 - 58	**61**
Station 4 (South)	1241	88	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
Odor present.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/5/2011	**2. Weather:**	52 deg F, mostly clear, SW wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1548	0.0	0.0	**0.1**
Station 2 (North)	1530	0.0	0.0	**0.1**
Station 3 (East)	1536	0.0	0.0	**0.0**
Station 4 (South)	1542	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1548	0.054	0.013	**0.045**
Station 2 (North)	1530	0.017	0.007	**0.011**
Station 3 (East)	1536	0.016	0.009	**0.022**
Station 4 (South)	1542	0.012	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1548	>70	58 - 63	**66**
Station 2 (North)	1530	>70	52 - 57	**65**
Station 3 (East)	1536	>70	59 - 64	**61**
Station 4 (South)	1542	84	71 - 76	**90**

General Comments:

Excavating and stockpiling only. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
No odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/6/2011	**2. Weather:**	52 deg F, clear, N wind at 5 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1222	0.0	0.0	**0.1**
Station 2 (North)	1159	0.0	0.0	**0.1**
Station 3 (East)	1205	0.0	0.0	**0.0**
Station 4 (South)	1215	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1222	0.040	0.009	**0.045**
Station 2 (North)	1159	0.022	0.009	**0.011**
Station 3 (East)	1205	0.054	0.010	**0.022**
Station 4 (South)	1215	0.028	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1222	64	55 - 60	**66**
Station 2 (North)	1159	56	50 - 55	**65**
Station 3 (East)	1205	55	50 - 55	**61**
Station 4 (South)	1215	84	<70	**90**

General Comments:

Backfilling only. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Slight odors. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/6/2011	**2. Weather:**	54 deg F, clear, N wind at 3 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1451	0.0	0.0	**0.1**
Station 2 (North)	1424	0.0	0.0	**0.1**
Station 3 (East)	1435	0.0	0.0	**0.0**
Station 4 (South)	1443	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1451	0.029	0.006	**0.045**
Station 2 (North)	1424	0.013	0.004	**0.011**
Station 3 (East)	1435	0.007	0.003	**0.022**
Station 4 (South)	1443	0.184	0.018	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1451	70	65 - 70	**66**
Station 2 (North)	1424	64	50 - 55	**65**
Station 3 (East)	1435	62	53 - 58	**61**
Station 4 (South)	1443	85	72 - 77	**90**

General Comments:

Backfilling clean sand only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Odor present. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/7/2011	**2. Weather:**	43 deg F, clear, W wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	0919	0.0	0.0	**0.1**
Station 2 (North)	0846	0.0	0.0	**0.1**
Station 3 (East)	0855	0.0	0.0	**0.0**
Station 4 (South)	0907	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	0919	0.020	0.010	**0.045**
Station 2 (North)	0846	0.026	0.012	**0.011**
Station 3 (East)	0855	0.015	0.009	**0.022**
Station 4 (South)	0907	0.027	0.011	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	0919	66	50 - 55	**66**
Station 2 (North)	0846	>70	56 - 61	**65**
Station 3 (East)	0855	70	61 - 66	**61**
Station 4 (South)	0907	85	< 70	**90**

General Comments:

Backfilling clean sand only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors. Train traffic noise in background.

Station 4 (Hwy 5):
Odor present. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date: 4/11/2011	**2. Weather:** 58 deg F, mostly clear, N wind at 8 mph
3. Prepared By: J.Hunter	

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1507	0.0	0.0	**0.1**
Station 2 (North)	1432	0.0	0.0	**0.1**
Station 3 (East)	1447	0.0	0.0	**0.0**
Station 4 (South)	1458	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1515	0.006	0.001	**0.045**
Station 2 (North)	1432	0.038	0.003	**0.011**
Station 3 (East)	1447	0.204	0.002	**0.022**
Station 4 (South)	1458	0.282	0.028	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1507	>70	55 - 60	**66**
Station 2 (North)	1432	>70	50 - 55	**65**
Station 3 (East)	1447	67	60 - 65	**61**
Station 4 (South)	1458	80	< 70	**90**

General Comments:

Backfilling clean sand only. No action levels exceeded.

Station 1 (Granada Ave):
No odors.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors. Wildlife noise (from pond) in background.

Station 4 (Hwy 5):
Very slight odor. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/12/2011	**2. Weather:**	59 deg F, mostly clear, SW wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1249	0.0	0.0	**0.1**
Station 2 (North)	1225	0.1	0.0	**0.1**
Station 3 (East)	1234	0.0	0.0	**0.0**
Station 4 (South)	1242	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1249	0.000	0.000	**0.045**
Station 2 (North)	1225	0.001	0.000	**0.011**
Station 3 (East)	1234	0.000	0.000	**0.022**
Station 4 (South)	1242	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1249	67	55 - 60	**66**
Station 2 (North)	1225	70	50 - 55	**65**
Station 3 (East)	1234	70	65 - 70	**61**
Station 4 (South)	1242	83	< 70	**90**

General Comments:

Backfilling clean sand only. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic noise in background.

Station 2 (Upper 35th St N):
No odors. Car traffic noise in background.

Station 3 (35th St N):
No odors. Wetland wildlife noise in background (~67 dBA).

Station 4 (Hwy 5):
No odor. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/12/2011	**2. Weather:**	64 deg F, clear, SW winds at 7 mph
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:00	0.0	0.0	**0.1**
Station 2 (North)	13:26	0.0	0.0	**0.1**
Station 3 (East)	13:43	0.0	0.0	**0.0**
Station 4 (South)	13:52	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:00	0.000	0.000	**0.045**
Station 2 (North)	13:26	0.298	0.007	**0.011**
Station 3 (East)	13:43	0.052	0.000	**0.022**
Station 4 (South)	13:52	0.002	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:00	63	50 to 55	**66**
Station 2 (North)	13:26	65	50 to 55	**65**
Station 3 (East)	13:43	78	65 to 70	**61**
Station 4 (South)	13:52	83	<70	**90**

General Comments:

Loading and hauling trucks. No action levels exceeded. No odors at any station.

Station 1 (Granada Ave):
No odors. Car traffic noise in the background

Station 2 (Upper 35th St N):
No odors. Site construction noise in the background.

Station 3 (35th St N):
No odors. Site construction noise and wildlife noise in the background (~70dBA).

Station 4 (Hwy 5):
No odors. Car traffic noise in the background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/13/2011	**2. Weather:**	49 deg F, Partly Cloudy, N winds at 6 mph
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:42	0.0	0.0	**0.1**
Station 2 (North)	11:03	0.0	0.0	**0.1**
Station 3 (East)	10:54	0.0	0.0	**0.0**
Station 4 (South)	10:34	0.1	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:42	0.031	0.000	**0.045**
Station 2 (North)	11:03	0.000	0.000	**0.011**
Station 3 (East)	10:54	0.000	0.000	**0.022**
Station 4 (South)	10:34	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:42	65	55 to 60	**66**
Station 2 (North)	11:03	68	60 to 65	**65**
Station 3 (East)	10:54	70	50 to 55	**61**
Station 4 (South)	10:34	85	<70	**90**

General Comments:

Excavating and hauling material today.

Station 1 (Granada Ave):
No odors; highway traffic in background.

Station 2 (Upper 35th St N):
No odors; wildlife noise in the background.

Station 3 (35th St N):
No odors; some traffic noise from 35th St. North in the background.

Station 4 (Hwy 5):
Slight odor; highway traffic in the background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/13/2011	**2. Weather:**	60 deg F, Partly Cloudy, N winds at 6 mph
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:52	0.0	0.0	**0.1**
Station 2 (North)	15:09	0.0	0.0	**0.1**
Station 3 (East)	15:00	0.0	0.0	**0.0**
Station 4 (South)	14:47	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:52	0.000	0.000	**0.045**
Station 2 (North)	15:09	0.000	0.000	**0.011**
Station 3 (East)	15:00	0.000	0.000	**0.022**
Station 4 (South)	14:47	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:52	65	55 to 60	**66**
Station 2 (North)	15:09	68	60 to 65	**65**
Station 3 (East)	15:00	70	50 to 55	**61**
Station 4 (South)	14:47	85	<70	**90**

General Comments:

Excavating and hauling material today.

Station 1 (Granada Ave):
No odors; highway traffic in background.

Station 2 (Upper 35th St N):
No odors; wildlife noise in the background.

Station 3 (35th St N):
No odors; some traffic noise from 35th St. North in the background.

Station 4 (Hwy 5):
No odors; highway traffic in the background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/14/2011	**2. Weather:**	40 deg F, Cloudy 8 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:18	0.0	0.0	**0.1**
Station 2 (North)	11:25	0.0	0.0	**0.1**
Station 3 (East)	11:34	0.0	0.0	**0.0**
Station 4 (South)	11:08	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:18	0.003	0.000	**0.045**
Station 2 (North)	11:25	0.000	0.000	**0.011**
Station 3 (East)	11:34	0.000	0.000	**0.022**
Station 4 (South)	11:08	0.023	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:18	69	60 to 65	**66**
Station 2 (North)	11:25	62	55 to 60	**65**
Station 3 (East)	11:34	58	55 to 60	**61**
Station 4 (South)	11:08	85	< 70	**90**

General Comments:

Excavating, backhauling, and hauling. No odors present at any station

Station 1 (Granada Ave):
No odors; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/14/2011	**2. Weather:**	48 deg F, Cloudy 8 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:14	0.1	0.0	**0.1**
Station 2 (North)	14:23	0.0	0.0	**0.1**
Station 3 (East)	14:30	0.0	0.0	**0.0**
Station 4 (South)	14:40	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:14	0.105	0.024	**0.045**
Station 2 (North)	14:23	0.000	0.000	**0.011**
Station 3 (East)	14:30	0.000	0.000	**0.022**
Station 4 (South)	14:40	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:14	64	55 to 60	**66**
Station 2 (North)	14:23	69	55 to 60	**65**
Station 3 (East)	14:30	59	55 to 60	**61**
Station 4 (South)	14:40	85	< 70	**90**

General Comments:

Excavating, backhauling, and hauling. No odors present at any station.

Station 1 (Granada Ave):
No odors; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/15/2011	**2. Weather:**	40 deg F, Overcast 13 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	9:51	0.0	0.0	**0.1**
Station 2 (North)	9:58	0.0	0.0	**0.1**
Station 3 (East)	10:05	0.0	0.0	**0.0**
Station 4 (South)	10:20	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	9:51	0.385	0.011	**0.045**
Station 2 (North)	9:58	0.003	0.000	**0.011**
Station 3 (East)	10:05	0.000	0.000	**0.022**
Station 4 (South)	10:20	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	9:51	65	55 to 60	**66**
Station 2 (North)	9:58	64	55 to 60	**65**
Station 3 (East)	10:05	58	55 to 60	**61**
Station 4 (South)	10:20	88	< 70	**90**

General Comments:

Excavating, backhauling, and hauling materials today.

Station 1 (Granada Ave):
Slight odor; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/15/2011	**2. Weather:**	46 deg F, Cloudy 14 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:41	0.0	0.000	**0.1**
Station 2 (North)	14:48	0.0	0.000	**0.1**
Station 3 (East)	14:55	0.0	0.000	**0.0**
Station 4 (South)	15:05	2.0	0.000	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:41	0.038	0.000	**0.045**
Station 2 (North)	14:48	0.062	0.008	**0.011**
Station 3 (East)	14:55	0.010	0.000	**0.022**
Station 4 (South)	15:05	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:41	70	60 to 65	**66**
Station 2 (North)	14:48	73	65 to 70	**65**
Station 3 (East)	14:55	74	60 to 65	**61**
Station 4 (South)	15:05	87	< 70	**90**

General Comments:

Excavating, backhauling, and hauling. No odors present at any station

Station 1 (Granada Ave):
No odor; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/16/2011	**2. Weather:**	33 deg F, Clear
3. Prepared By:	Micah Forbes		7 mph NW

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:05	0.0	0.0	**0.1**
Station 2 (North)	10:11	0.0	0.0	**0.1**
Station 3 (East)	10:20	0.0	0.0	**0.0**
Station 4 (South)	10:30	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:05	0.000	0.000	**0.045**
Station 2 (North)	10:11	0.000	0.000	**0.011**
Station 3 (East)	10:20	0.049	0.000	**0.022**
Station 4 (South)	10:30	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:05	63	55 to 60	**66**
Station 2 (North)	10:11	60	50 to 55	**65**
Station 3 (East)	10:20	69	60 to 65	**61**
Station 4 (South)	10:30	84	< 70	**90**

General Comments:

Excavating and stockpiling material today.

Station 1 (Granada Ave):
No odor; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
Some odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/18/2011	**2. Weather:**	48 deg F, Partly cloudy 3 mph NE
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:13	0.0	0.0	**0.1**
Station 2 (North)	14:20	0.0	0.0	**0.1**
Station 3 (East)	14:28	0.0	0.0	**0.0**
Station 4 (South)	14:40	0.3	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:13	0.077	0.002	**0.045**
Station 2 (North)	14:20	0.020	0.000	**0.011**
Station 3 (East)	14:28	0.000	0.000	**0.022**
Station 4 (South)	14:40	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:13	64	55 to 60	**66**
Station 2 (North)	14:20	67	50 to 55	**65**
Station 3 (East)	14:28	62	55 to 60	**61**
Station 4 (South)	14:40	88	< 70	**90**

General Comments:

Excavating, backhauling, and hauling material today.

Station 1 (Granada Ave):
No odor; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
Some odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/19/2011	**2. Weather:**	43 deg F, Clear 9 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:22	0.0	0.0	**0.1**
Station 2 (North)	15:29	0.0	0.0	**0.1**
Station 3 (East)	15:38	0.0	0.0	**0.0**
Station 4 (South)	15:45	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:22	0.005	0.000	**0.045**
Station 2 (North)	15:29	0.000	0.000	**0.011**
Station 3 (East)	15:38	0.000	0.000	**0.022**
Station 4 (South)	15:45	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:22	65	60 to 65	**66**
Station 2 (North)	15:29	68	60 to 65	**65**
Station 3 (East)	15:38	58	55 to 60	**61**
Station 4 (South)	15:45	86	< 70	**90**

General Comments:

Excavating, backhauling, and hauling material today.

Station 1 (Granada Ave):
Slight odor; some highway traffic noise in the background.

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th Street traffic in the background

Station 3 (35th St N):
No odors; wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/21/2011	**2. Weather:**	34 deg F, Clear and Sunny 2 mph E
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	8:38	0.0	0.0	**0.1**
Station 2 (North)	8:45	0.0	0.0	**0.1**
Station 3 (East)	8:53	0.0	0.0	**0.0**
Station 4 (South)	9:02	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	8:38	0.000	0.000	**0.045**
Station 2 (North)	8:45	0.000	0.000	**0.011**
Station 3 (East)	8:53	0.000	0.000	**0.022**
Station 4 (South)	9:02	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	8:38	62	55 to 60	**66**
Station 2 (North)	8:45	67	55 to 60	**65**
Station 3 (East)	8:53	78	65 to 70	**61**
Station 4 (South)	9:02	87	< 70	**90**

General Comments:

Bolander transferring sands and backfilling.

Station 1 (Granada Ave):
No odors; some highway traffic in the background

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th street in the background

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
No odors; noise from highway traffic in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/25/2011	**2. Weather:**	64 °F, cloudy E wind @ 4.8 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	16:09	0.0	0.0	**0.1**
Station 2 (North)	16:17	0.0	0.0	**0.1**
Station 3 (East)	16:26	0.0	0.0	**0.0**
Station 4 (South)	16:34	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	16:09	0.121	0.022	**0.045**
Station 2 (North)	16:17	0.003	0.000	**0.011**
Station 3 (East)	16:26	0.005	0.001	**0.022**
Station 4 (South)	16:34	0.008	0.004	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	16:09	71	55 - 60	**66**
Station 2 (North)	16:17	61	<50	**65**
Station 3 (East)	16:26	71	55 - 60	**61**
Station 4 (South)	16:34	73	63 - 68	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander aerating stockpiles and hauling backfill material (SKB sand) into the exclusion zone. Slight odors were detected at Station 1 (downwind).

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (13 cars). Traffic on Granada was measured at 55 - 71 dBA. Traffic on Highway 5 was recorded at <50 - 60 dBA. All on-site noise was measured at <50 dBA. Maximum dus reading was measured as three vehicles passed consecutively on Granada.

Station 2 (Upper 35th St N):

Two vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (60, 61 dBA). The average noise was <50 dBA. Site noise (engines running, bulldozer tracking and reverse beeping) were noted and the noise monitoring equipment measured <50 dBA during these activities.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors, bulldozer tracking and beeping) was heard and the noise monitor registered <50 - 71 dBA. Average noise was <50 - 55 dBA. Background noise (insects and birds) was measured at <50 - 55 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 57 - 63 dBA. Engines were recorded at 57 - 63 dBA and equipment beeping was recorded at 57 - 62 dBA. Vehicles traveling west on Highway 5 were measured at 60 - 73 dBA. Cars traveling east on Highway 5 were measured at 59 - 63 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/26/2011	**2. Weather:**	43 deg F, rain and overcast, ENE wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:02	0.0	0.0	**0.1**
Station 2 (North)	12:38	0.0	0.0	**0.1**
Station 3 (East)	12:46	0.0	0.0	**0.0**
Station 4 (South)	12:55	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:02	0.000	0.0	**0.045**
Station 2 (North)	12:38	0.001	0.0	**0.011**
Station 3 (East)	12:46	0.000	0.0	**0.022**
Station 4 (South)	12:55	0.003	0.0	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:02	67	61 - 66	**66**
Station 2 (North)	12:38	>70	55 - 60	**65**
Station 3 (East)	12:46	66	60 - 65	**61**
Station 4 (South)	12:55	87	<70	**90**

General Comments:

Loading and hauling stockpiles. No action levels exceeded. No odors at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic noise in background.

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/26/2011	**2. Weather:**	43 deg F, rain and overcast, NE wind at 8 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:47	1.3	0.0	**0.1**
Station 2 (North)	13:26	0.0	0.0	**0.1**
Station 3 (East)	13:33	0.0	0.0	**0.0**
Station 4 (South)	13:40	1.5	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:47	0.000	0.0	**0.045**
Station 2 (North)	13:26	0.000	0.0	**0.011**
Station 3 (East)	13:33	0.000	0.0	**0.022**
Station 4 (South)	13:40	0.000	0.0	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:47	69	60 - 65	**66**
Station 2 (North)	13:26	>70	59 - 64	**65**
Station 3 (East)	13:33	64	57 - 62	**61**
Station 4 (South)	13:40	84	<70	**90**

General Comments:

Loading and hauling stockpiles. No action levels exceeded. No odors at any station.

Station 1 (Granada Ave):

Station 2 (Upper 35th St N):
Car traffic noise in background.

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/27/2011	**2. Weather:**	39 deg F, overcast, N wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:51	0.0	0.0	**0.1**
Station 2 (North)	13:29	0.0	0.0	**0.1**
Station 3 (East)	13:37	0.0	0.0	**0.0**
Station 4 (South)	13:45	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:51	0.000	0.0	**0.045**
Station 2 (North)	13:29	0.007	0.0	**0.011**
Station 3 (East)	13:37	0.000	0.0	**0.022**
Station 4 (South)	13:45	0.004	0.0	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:51	>70	60 - 65	**66**
Station 2 (North)	13:29	69	59 - 64	**65**
Station 3 (East)	13:37	98	55 - 60	**61**
Station 4 (South)	13:45	88	<70	**90**

General Comments:

Loading and hauling stockpiles. No action levels exceeded.

Station 1 (Granada Ave):
No odor.

Station 2 (Upper 35th St N):
Car traffic noise in background. No odor.

Station 3 (35th St N):
Air traffic noise in background. No odor.

Station 4 (Hwy 5):
Slight odor. Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/28/2011	**2. Weather:**	37 deg F, rain, N wind at 6 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:10	0.0	0.0	**0.1**
Station 2 (North)	09:52	0.0	0.0	**0.1**
Station 3 (East)	09:58	0.0	0.0	**0.0**
Station 4 (South)	10:04	0.7	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:10	0.000	0.000	**0.045**
Station 2 (North)	09:52	0.000	0.000	**0.011**
Station 3 (East)	09:58	0.000	0.000	**0.022**
Station 4 (South)	10:04	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:10	64	55 - 60	**66**
Station 2 (North)	09:52	>70	53 - 58	**65**
Station 3 (East)	09:58	60	55 - 60	**61**
Station 4 (South)	10:04	84	<70	**90**

General Comments:

Excavation only. No hauling.

Station 1 (Granada Ave):
Car traffic (noise) in background.

Station 2 (Upper 35th St N):
No odor. Car traffic in background (noise).

Station 3 (35th St N):
No odor.

Station 4 (Hwy 5):
Odor present. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/28/2011	**2. Weather:**	41 °F, clear N/NE wind @ 6.9 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:03	0.0	0.0	**0.1**
Station 2 (North)	13:11	0.0	0.0	**0.1**
Station 3 (East)	13:20	0.0	0.0	**0.0**
Station 4 (South)	13:29	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:03	0.003	0.000	**0.045**
Station 2 (North)	13:11	0.006	0.000	**0.011**
Station 3 (East)	13:20	0.000	0.000	**0.022**
Station 4 (South)	13:29	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:03	71	<50 - 55	**66**
Station 2 (North)	13:11	57	<50 - 55	**65**
Station 3 (East)	13:20	71	55 - 60	**61**
Station 4 (South)	13:29	75	58 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander is stockpiling material from soil blocks B3-5 and B3-13. A slight solvent odor was detected at Station 4 (downwind).

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderated traffic on Granada (11 cars). Traffic on Granada was measured at 54 - 71 dBA. Traffic on Highway 5 was recorded at <50 - 64 dBA. No site noise was detected.

Station 2 (Upper 35th St N):

During the Station 2 monitoring one car passed on Upper 35th Street N (67 dBA). The average noise was <50 - 55 dBA. Site noise (engines running and reverse beeping) were noted and the noise monitoring equipment measured <50 - 54 dBA during these activities. High background noises from wildlife (birds) was noted (<50 - 54 dBA).

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (motors and beeping) was heard and the noise monitor registered - 62 dBA. Banging noises from the excavator (stockpiling activities) was measured at 59 - 71 dBA. 53

Station 4 (Hwy 5):

Site activities registered on the noise monitor at <50 - 63 dBA. Cars traveling west on Highway 5 were measured at 66 - 75 dBA. Cars traveling east on Highway 5 were measured at 55 - 57 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	4/29/2011	**2. Weather:**	62 °F, clear S wind @ 10 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:14	0.0	0.0	**0.1**
Station 2 (North)	15:20	1.4	0.2	**0.1**
Station 3 (East)	15:28	0.0	0.0	**0.0**
Station 4 (South)	15:36	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:14	0.009	0.000	**0.045**
Station 2 (North)	15:20	0.004	0.000	**0.011**
Station 3 (East)	15:28	0.000	0.000	**0.022**
Station 4 (South)	15:36	0.009	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:14	76	55 - 60	**66**
Station 2 (North)	15:20	<50	<50	**65**
Station 3 (East)	15:28	57	<50	**61**
Station 4 (South)	15:36	77	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

No current activities on site. Bolander is currently off site. Bolander spent the day stockpiling material from B3-14 and B3-14 and aerated stockpiles from B2-14. Low - Mild odor consistent at Station 2.

Station 1 (Granada Ave):

During the Station 1 monitoring there was heavy traffic on Granada (23 cars). Traffic on Granada was measured at 57 - 76 dBA. Traffic on Highway 5 was recorded at 55 - 67 dBA. Air traffic was measured at 60 - 62 dBA.

Station 2 (Upper 35th St N):

During the Station 2 monitoring no cars passed on Upper 35th Street N.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (distant traffic / wildlife) was measured at <50 - 57 dBA.

Station 4 (Hwy 5):

Cars traveling west on Highway 5 were measured at 69 - 79 dBA. Cars traveling east on Highway 5 were measured at 60 - 67 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/2/2011	**2. Weather:**	34 deg F, overcast, N wind at 9 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	12:34	0.0	0.0	**0.1**
Station 2 (North)	11:59	0.0	0.0	**0.1**
Station 3 (East)	12:12	0.0	0.0	**0.0**
Station 4 (South)	12:24	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	12:34	0.013	0.000	**0.045**
Station 2 (North)	11:59	0.062	0.003	**0.011**
Station 3 (East)	12:12	0.003	0.001	**0.022**
Station 4 (South)	12:24	0.003	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	12:34	70	50 - 55	**66**
Station 2 (North)	11:59	62	55 - 60	**65**
Station 3 (East)	12:12	57	<50	**61**
Station 4 (South)	12:24	90	70 - 75	**90**

General Comments:

Excavating and hauling. No action levels exceeded.

Station 1 (Granada Ave):
No odors. Car traffic (noise) in background.

Station 2 (Upper 35th St N):
No odors.

Station 3 (35th St N):
No odors.

Station 4 (Hwy 5):
Slight odor. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/4/2011	**2. Weather:**	54 deg F, mostly clear, SSE wind at 9 mph
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:30	0.0	0.0	**0.1**
Station 2 (North)	09:52	0.0	0.0	**0.1**
Station 3 (East)	10:00	0.0	0.0	**0.0**
Station 4 (South)	10:22	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:30	0.025	0.003	**0.045**
Station 2 (North)	09:52	0.013	0.000	**0.011**
Station 3 (East)	10:00	0.011	0.001	**0.022**
Station 4 (South)	10:22	0.006	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N)

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:30	>70	59 - 64	**66**
Station 2 (North)	09:52	>70	50 - 55	**65**
Station 3 (East)	10:00	65	56 - 61	**61**
Station 4 (South)	10:22	84	70 - 75	**90**

General Comments:

Stockpiling - conditioning and backhauling clean sand only.

Station 1 (Granada Ave):
No odors. Car traffic (noise) in background.

Station 2 (Upper 35th St N):
very slight odor. Car traffic (noise) in background.

Station 3 (35th St N):
No odors. Car traffic (noise) in background.

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/4/2011	**2. Weather:**	62 deg F, clear,sunny, S wind at 12.5 mph
3. Prepared By:	J. Savage		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:50	0.0	0.0	**0.1**
Station 2 (North)	14:58	0.0	0.0	**0.1**
Station 3 (East)	15:06	0.0	0.0	**0.0**
Station 4 (South)	15:15	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:50	0.012	0.003	**0.045**
Station 2 (North)	14:58	0.101	0.004	**0.011**
Station 3 (East)	15:06	0.015	0.001	**0.022**
Station 4 (South)	15:15	0.028	0.005	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:50	>70	55 - 60	**66**
Station 2 (North)	14:58	68	55 - 60	**65**
Station 3 (East)	15:06	62	55 - 60	**61**
Station 4 (South)	15:15	< 70	90 - 95	**90**

General Comments:

Bolander mixing LKD w/stockpiles and moving sand.

Station 1 (Granada Ave):
Some highway noise. No odors. 2-3 cars passed on Granada.

Station 2 (Upper 35th St N):
Moderate odor. Backgound noise (light traffic and wildlife).

Station 3 (35th St N):
No odors. Backgound noise (light traffic and wildlife).

Station 4 (Hwy 5):
No odors. Car traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/5/2011	**2. Weather:**	40 deg F, cloudy, E wind at 2.7 mph
3. Prepared By:	M. Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	9:26	0.0	0.0	**0.1**
Station 2 (North)	9:34	0.0	0.0	**0.1**
Station 3 (East)	9:42	0.0	0.0	**0.0**
Station 4 (South)	9:50	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	9:26	0.015	0.011	**0.045**
Station 2 (North)	9:34	0.024	0.011	**0.011**
Station 3 (East)	9:42	0.017	0.011	**0.022**
Station 4 (South)	9:50	0.019	0.012	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	9:26	63	55 - 60	**66**
Station 2 (North)	9:34	>70	55 - 60	**65**
Station 3 (East)	9:42	61	55 - 60	**61**
Station 4 (South)	9:50	85	<70	**90**

General Comments:

Bolander moving imported SKB sand into the exclusion zone.

Station 1 (Granada Ave):
Slight odor. Some traffic noise in backgound.

Station 2 (Upper 35th St N):
Slight odor. Some traffic noise in backgound. 2 cars passed on U35th street during monitoring event at Station 2.

Station 3 (35th St N):
No odors. Backgound noise (wildlife).

Station 4 (Hwy 5):
Moderate odor. Some highway traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/5/2011	**2. Weather:**	52 deg F, partly cloudy, E wind at 4 mph
3. Prepared By:	M. Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:29	0.0	0.0	**0.1**
Station 2 (North)	15:38	0.0	0.0	**0.1**
Station 3 (East)	15:45	0.0	0.0	**0.0**
Station 4 (South)	16:00	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:29	0.019	0.003	**0.045**
Station 2 (North)	15:38	0.013	0.003	**0.011**
Station 3 (East)	15:45	0.007	0.001	**0.022**
Station 4 (South)	16:00	0.009	0.002	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:29	66	55 - 60	**66**
Station 2 (North)	15:38	69	55 - 60	**65**
Station 3 (East)	15:45	65	55 - 60	**61**
Station 4 (South)	16:00	72	70 - 75	**90**

General Comments:

Bolander moving imported SKB sand into the exclusion zone.

Station 1 (Granada Ave):
No odor. Some traffic noise in backgound.

Station 2 (Upper 35th St N):
No odor. Some traffic noise in backgound.

Station 3 (35th St N):
No odors. Backgound noise (wildlife).

Station 4 (Hwy 5):
Slight odor. Some highway traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/6/2011	**2. Weather:**	55 deg F, partly cloudy, W wind at 3 mph
3. Prepared By:	M. Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:03	0.0	0.0	**0.1**
Station 2 (North)	10:10	0.0	0.0	**0.1**
Station 3 (East)	10:17	0.0	0.0	**0.0**
Station 4 (South)	10:27	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:03	0.022	0.014	**0.045**
Station 2 (North)	10:10	0.050	0.015	**0.011**
Station 3 (East)	10:17	0.022	0.008	**0.022**
Station 4 (South)	10:27	0.019	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:03	64	55 - 60	**66**
Station 2 (North)	10:10	67	55 - 60	**65**
Station 3 (East)	10:17	65	55 - 60	**61**
Station 4 (South)	10:27	85	<70	**90**

General Comments:

Bolander mixing LKD into soil stockpiles and aerating eight stockpiles already mixed with LKD.

Station 1 (Granada Ave):
No odors. Some highway traffic (noise) in background.

Station 2 (Upper 35th St N):
No odors. Some traffic (noise) in background.

Station 3 (35th St N):
No odors. Some wildlife noise in background.

Station 4 (Hwy 5):
Slight odor. Some highway traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/6/2011	**2. Weather:**	55 deg F, partly cloudy, W wind at 3 mph
3. Prepared By:	M. Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:56	0.0	0.0	**0.1**
Station 2 (North)	14:06	0.0	0.0	**0.1**
Station 3 (East)	14:11	0.0	0.0	**0.0**
Station 4 (South)	14:18	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:56	0.015	0.002	**0.045**
Station 2 (North)	14:06	0.004	0.001	**0.011**
Station 3 (East)	14:11	0.006	0.001	**0.022**
Station 4 (South)	14:18	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:56	64	55 - 60	**66**
Station 2 (North)	14:06	62	55 - 60	**65**
Station 3 (East)	14:11	67	55 - 60	**61**
Station 4 (South)	14:18	91	<70	**90**

General Comments:

Bolander backfilling with imported SKB sand.

Station 1 (Granada Ave):
No odors. Some traffic (noise) in background.

Station 2 (Upper 35th St N):
No odors. Some traffic (noise) in background.

Station 3 (35th St N):
No odors. Some wildlife noise in background.

Station 4 (Hwy 5):
Slight odor. Some highway traffic (noise) in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/9/2011	**2. Weather:**	Scattered T-storms, 55 degree F 13 mph to the SE
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:25	0.0	0.0	**0.1**
Station 2 (North)	10:30	0.0	0.0	**0.1**
Station 3 (East)	10:38	0.0	0.0	**0.0**
Station 4 (South)	10:55	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:25	0.008	0.004	**0.045**
Station 2 (North)	10:30	0.007	0.004	**0.011**
Station 3 (East)	10:38	0.044	0.006	**0.022**
Station 4 (South)	10:55	0.010	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:25	68	55 to 60	**66**
Station 2 (North)	10:30	61	55 to 60	**65**
Station 3 (East)	10:38	62	55 to 60	**61**
Station 4 (South)	10:55	88	< 70	**90**

General Comments:

Bolander suspended operations due to weather. No onsite activities today

Station 1 (Granada Ave):
No odors; some highway traffic and granada avenue traffic noise in the background

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th street in the background

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
No odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/10/2011	**2. Weather:**	Sunny clear, 76 degree F wind - 10 mph to the SE
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	12:50	0.0	0.0	**0.1**
Station 2 (North)	13:00	0.0	0.0	**0.1**
Station 3 (East)	13:07	0.0	0.0	**0.0**
Station 4 (South)	13:16	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	12:50	0.046	0.024	**0.045**
Station 2 (North)	13:00	0.030	0.021	**0.011**
Station 3 (East)	13:07	0.029	0.021	**0.022**
Station 4 (South)	13:16	0.033	0.023	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	12:50	63	55 to 60	**66**
Station 2 (North)	13:00	67	60 to 65	**65**
Station 3 (East)	13:07	68	55 to 60	**61**
Station 4 (South)	13:16	88	< 70	**90**

General Comments:

Bolander moving sands in the exclusion zone today

Station 1 (Granada Ave):
No odors; some highway traffic and granada avenue traffic noise in the background

Station 2 (Upper 35th St N):
Slight odor; some traffic noise from 35th street in the background

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
No odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/11/2011	**2. Weather:**	61 degrees F, T-storms
3. Prepared By:	Micah Forbes		wind - 3 mph to the NW

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:48	0.7	0.2	**0.1**
Station 2 (North)	13:54	1.9	0.6	**0.1**
Station 3 (East)	14:14	0.0	0.0	**0.0**
Station 4 (South)	14:24	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:48	0.154	0.069	**0.045**
Station 2 (North)	13:54	0.087	0.065	**0.011**
Station 3 (East)	14:14	0.063	0.068	**0.022**
Station 4 (South)	14:24	0.072	0.065	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:48	67	60 to 65	**66**
Station 2 (North)	13:54	61	55 to 60	**65**
Station 3 (East)	14:14	64	55 to 60	**61**
Station 4 (South)	14:24	87	< 70	**90**

General Comments:

Bolander hauling stockpiles to SKB

Station 1 (Granada Ave):
No odors; some highway traffic and Granada avenue noise in the background

Station 2 (Upper 35th St N):
Moderate odors; some 35th street traffic noise in the background.

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
No odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/11/2011	**2. Weather:**	73 degrees F, Cloudy wind - 3 mph to the NW
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:58	0.0	0.0	**0.1**
Station 2 (North)	16:05	0.0	0.0	**0.1**
Station 3 (East)	16:12	0.0	0.0	**0.0**
Station 4 (South)	16:20	0.2	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:58	0.081	0.066	**0.045**
Station 2 (North)	16:05	0.114	0.063	**0.011**
Station 3 (East)	16:12	0.066	0.055	**0.022**
Station 4 (South)	16:20	0.068	0.061	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:58	62	55 to 60	**66**
Station 2 (North)	16:05	64	60 to 65	**65**
Station 3 (East)	16:12	62	55 to 60	**61**
Station 4 (South)	16:20	84	< 70	**90**

General Comments:

Bolander hauling stockpiles to SKB

Station 1 (Granada Ave):
No odors; some highway traffic and Granada avenue noise in the background

Station 2 (Upper 35th St N):
No odors; some car traffic noise from 35th street; also wildlife noise in the background.

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
Slight odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/12/2011	**2. Weather:**	56 degrees F, Overcast
3. Prepared By:	Micah Forbes		wind - 4 mph to the NE

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:27	0.0	0.0	**0.1**
Station 2 (North)	13:35	0.0	0.0	**0.1**
Station 3 (East)	13:42	0.0	0.0	**0.0**
Station 4 (South)	13:48	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:27	0.007	0.004	**0.045**
Station 2 (North)	13:35	0.008	0.004	**0.011**
Station 3 (East)	13:42	0.010	0.004	**0.022**
Station 4 (South)	13:48	0.025	0.008	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:27	65	55 to 60	**66**
Station 2 (North)	13:35	68	55 to 60	**65**
Station 3 (East)	13:42	61	55 to 60	**61**
Station 4 (South)	13:48	88	< 70	**90**

General Comments:

Bolander hauling stockpiles to SKB

Station 1 (Granada Ave):
No odors; some highway traffic and Granada avenue noise in the background

Station 2 (Upper 35th St N):
No odors; some car traffic noise from 35th street; also wildlife noise in the background.

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
Slight odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/12/2011	**2. Weather:**	55 degrees F, overcast wind - 5 mph to the NE
3. Prepared By:	Micah Forbes		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:20	0.0	0.0	**0.1**
Station 2 (North)	15:26	0.0	0.0	**0.1**
Station 3 (East)	15:36	0.0	0.0	**0.0**
Station 4 (South)	15:42	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:20	0.014	0.010	**0.045**
Station 2 (North)	15:26	0.016	0.011	**0.011**
Station 3 (East)	15:36	0.019	0.012	**0.022**
Station 4 (South)	15:42	0.024	0.013	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:20	63	55 to 60	**66**
Station 2 (North)	15:26	61	55 to 60	**65**
Station 3 (East)	15:36	59	55 to 60	**61**
Station 4 (South)	15:42	86	< 70	**90**

General Comments:

Bolander hauling stockpiles to SKB

Station 1 (Granada Ave):
No odors; some highway traffic and Granada avenue noise in the background

Station 2 (Upper 35th St N):
No odors; some car traffic noise from 35th street; also wildlife noise in the background.

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
Slight odors; highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/13/2011	**2. Weather:**	52 deg F, cloudy 8 mph North wind
3. Prepared By:	William Westley		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:30	0.0	0.0	**0.1**
Station 2 (North)	13:25	0.0	0.0	**0.1**
Station 3 (East)	13:15	0.0	0.0	**0.0**
Station 4 (South)	13:00	2.0	1.2	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:30	0.012	0.008	**0.045**
Station 2 (North)	13:25	0.014	0.008	**0.011**
Station 3 (East)	13:15	0.010	0.006	**0.022**
Station 4 (South)	13:00	0.028	0.010	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:30	60	50 to 55	**66**
Station 2 (North)	13:25	60	50 to 55	**65**
Station 3 (East)	13:15	55	45 to 50	**61**
Station 4 (South)	13:00	84	< 70	**90**

General Comments:

Bolander mixing new delivered LKD into 14 stockpiles remaining onsite in exclusion zone. Bolander utilizing a water truck onsite (with added 1 1/2" hose)spraying stockpiles during the process to minimize dust and odors created by the addition of the LKD. No other site activities occuring.

Station 1 (Granada Ave):
No odors; some highway traffic and granada avenue traffic noise in the background

Station 2 (Upper 35th St N):
No odors; some traffic noise from 35th street in the background

Station 3 (35th St N):
No odors; some wildlife noise in the background

Station 4 (Hwy 5):
Noticeable odors detected (moderate to heavy). Odors derived from addition of active LKD. Highway traffic noise in the background

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/16/2011	**2. Weather:**	67 °F, clear E wind @ 11.1 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	16:32	0.0	0.0	**0.1**
Station 2 (North)	16:39	0.0	0.0	**0.1**
Station 3 (East)	16:48	0.0	0.0	**0.0**
Station 4 (South)	16:56	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	16:32	0.048	0.000	**0.045**
Station 2 (North)	16:39	0.026	0.000	**0.011**
Station 3 (East)	16:48	0.030	0.000	**0.022**
Station 4 (South)	16:56	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	16:32	70	53 - 58	**66**
Station 2 (North)	16:39	60	<50	**65**
Station 3 (East)	16:48	56	<50 - 52	**61**
Station 4 (South)	16:56	76	58 - 63	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

No current activities on site. Bolander is currently off site. Bolander previously aerated 5 stockpiles with LKD added and removed jersey barriers from site.

Station 1 (Granada Ave):

No odors. During the Station 1 monitoring there was moderate traffic on Granada (13 cars). Traffic on Granada was measured at 63 - 70 dBA. Traffic on Highway 5 was recorded at <50 - 61 dBA.

Station 2 (Upper 35th St N):

No odors. During the Station 2 monitoring 2 cars passed on Upper 35th Street N.

Station 3 (35th St N):

No odors. No vehicle traffic on 35th Street N during monitoring event. Background noise (air traffic / wildlife) was measured at <50 - 55 dBA.

Station 4 (Hwy 5):

Intermittent odors. Cars traveling west on Highway 5 were measured at 64 - 75 dBA. Cars traveling east on Highway 5 were measured at 54 - 69 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/17/2011	**2. Weather:**	59 °F, clear E wind @ 7.0 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:23	0.0	0.0	**0.1**
Station 2 (North)	10:31	0.0	0.0	**0.1**
Station 3 (East)	10:39	0.0	0.0	**0.0**
Station 4 (South)	10:54	0.8	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:23	0.007	0.000	**0.045**
Station 2 (North)	10:31	0.000	0.000	**0.011**
Station 3 (East)	10:39	0.009	0.000	**0.022**
Station 4 (South)	10:54	0.015	0.002	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:23	77	55 - 60	**66**
Station 2 (North)	10:31	67	<50	**65**
Station 3 (East)	10:39	54	50 - 52	**61**
Station 4 (South)	10:54	80	65 - 70	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander aerating stockpiles and working on re-establishment of main swale line. At Station 4 mild and consistent odors were noted. Odors were not detected at any of the other monitoring stations.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (11 cars). Traffic on Granada was measured at 54 - 77 dBA. Traffic on Highway 5 was recorded at <50 - 76 dBA. No Site noise was measured at Station one (all site noise <50 dBA). Maximum dust reading was measured as two vehicles passed consecutively on Granada.

Station 2 (Upper 35th St N):

Two vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (63, 67 dBA). The average Site noise was measured at <50 dBA. Site noises audible at Station 2 included engines running, excavator bucket banging and reverse beeping.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (equipment engines, excavator bucket banging and beeping) were audible and the noise monitor registered <50 - 64 dBA. Background noise (insects and birds) was measured at <50 - 51 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 55 - 72 dBA (equipment engines, reverse beeping and banging of the excavator bucket). Vehicles traveling west on Highway 5 were measured at 62 - 80 dBA. Cars traveling east on Highway 5 were measured at 63 - 67 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/17/2011	**2. Weather:**	66 °F, clear E/SE wind @ 4.8 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:56	0.0	0.0	**0.1**
Station 2 (North)	15:03	0.0	0.0	**0.1**
Station 3 (East)	15:12	0.0	0.0	**0.0**
Station 4 (South)	15:21	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:56	0.101	0.001	**0.045**
Station 2 (North)	15:03	0.012	0.000	**0.011**
Station 3 (East)	15:12	0.028	0.000	**0.022**
Station 4 (South)	15:21	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:56	71	53 - 58	**66**
Station 2 (North)	15:03	68	< 50	**65**
Station 3 (East)	15:12	69	< 50	**61**
Station 4 (South)	15:21	80	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander working on site grading and re-establishment of main swale line. At Station 4 mild, intermittent odors were noted. Odors were not detected at any of the other monitoring stations.

Station 1 (Granada Ave):

During the Station 1 monitoring there was heavy traffic on Granada (16 cars). Traffic on Granada was measured at 53 - 71 dBA. Traffic on Highway 5 was recorded at <50 - 65 dBA. No Site noise was measured at Station one (all site noise <50 dBA).

Station 2 (Upper 35th St N):

One vehicle (school bus) passed monitoring station during Station 2 monitoring event on Upper 35th Street N (68 dBA). Site noises audible at Station 2 included reverse beeping (<50 dBA).

Station 3 (35th St N):

One vehicle (school bus) passed on 35th Street N during monitoring event (came down to the end of the street to turn around). No site noises were recorded on site and background noise (birds) was measured at <50 - 52 dBA.

Station 4 (Hwy 5):

No site activities registered on the noise monitor. Vehicles traveling west on Highway 5 were measured at 67 - 80 dBA. Cars traveling east on Highway 5 were measured at 55 - 67 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/18/2011	**2. Weather:**	57 °F, clear E/SE wind @ 2.0 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	8:51	0.0	0.0	**0.1**
Station 2 (North)	8:58	0.0	0.0	**0.1**
Station 3 (East)	9:08	0.0	0.0	**0.0**
Station 4 (South)	9:17	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	8:51	0.286	0.113	**0.045**
Station 2 (North)	8:58	0.030	0.007	**0.011**
Station 3 (East)	9:08	0.010	0.001	**0.022**
Station 4 (South)	9:17	0.031	0.003	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	8:51	81	55 - 60	**66**
Station 2 (North)	8:58	73	<50	**65**
Station 3 (East)	9:08	56	50 - 55	**61**
Station 4 (South)	9:17	83	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander hauling stockpile staging material to SKB. No odors were detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was low levels of traffic on Granada (8 cars). Traffic on Granada was measured at 59 - 64 dBA. Traffic on Highway 5 was recorded at 55 - 64 dBA. Site activity (haul trucks entering and leaving the site) was measured at 76 - 81 dBA. Maximum dust reading was measured as a haul truck left the site.

Station 2 (Upper 35th St N):

Five vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (58 - 73 dBA). Site noise was measured at <50 - 56 dBA. Site noises audible at Station 2 included engines running, excavator bucket banging and reverse beeping.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event, however a delivery truck was parked on the street and was measured at 53 dBA. Site equipment (equipment engines, excavator bucket banging and beeping) were audible and the noise monitor registered 51 - 56 dBA. Background noise (insects and birds) was measured at <50 - 51 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 54 - 55 dBA (equipment engines - no trucks loaded during Station 4 monitoring). Vehicles traveling west on Highway 5 were measured at 64 - 83 dBA. Cars traveling east on Highway 5 were measured at 54 - 66 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/18/2011	**2. Weather:**	68 °F, clear E wind @ 4.9 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	12:55	0.1	0.0	**0.1**
Station 2 (North)	13:04	0.0	0.0	**0.1**
Station 3 (East)	13:12	0.0	0.0	**0.0**
Station 4 (South)	13:21	0.1	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	12:55	1.042	0.229	**0.045**
Station 2 (North)	13:04	0.031	0.019	**0.011**
Station 3 (East)	13:12	0.014	0.010	**0.022**
Station 4 (South)	13:21	0.025	0.014	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	12:55	82	50 - 55	**66**
Station 2 (North)	13:04	65	< 50	**65**
Station 3 (East)	13:12	56	< 50	**61**
Station 4 (South)	13:21	76	58 - 63	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander hauling approved stockpile material from Soil Blocks B2-13, B2-14 and B3-19 to SKB. Intermittent odors were detected at Station 1 and consistent mild odors were detected at Station 4.

Station 1 (Granada Ave):

During the Station 1 monitoring there was low levels of traffic on Granada (8 cars). Traffic on Granada was measured at 59 - 68 dBA. Traffic on Highway 5 was recorded at <50 - 66 dBA. Site activity (haul trucks entering and leaving the site) was measured at 74 - 82 dBA. Maximum dust reading was measured as a haul truck left the site and another entered the site consecutively. W. Westley informed R. Stanton (Bolander) was of the dust readings and made arrangements for a water truck to come to the site for immediate dust control.

Station 2 (Upper 35th St N):

Four vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (59 - 65 dBA). Site noise was measured at <50 - 57 dBA. Site noises audible at Station 2 included engines running and banging of the excavator bucket.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site loading activities were recorded at <50 - 52 dBA. Background noise (insects and birds) was measured at <50 - 56 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at 52 - 67 dBA (equipment engines, loading operations and horns/reverse beeping). Vehicles traveling west on Highway 5 were measured at 57 - 76 dBA. Cars traveling east on Highway 5 were measured at 53 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/19/2011	**2. Weather:**	66 °F, cloudy E wind @ 3.5 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:37	0.0	0.0	**0.1**
Station 2 (North)	10:47	0.0	0.0	**0.1**
Station 3 (East)	10:58	0.0	0.0	**0.0**
Station 4 (South)	11:04	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:37	0.000	0.000	**0.045**
Station 2 (North)	10:47	0.007	0.000	**0.011**
Station 3 (East)	10:58	0.000	0.000	**0.022**
Station 4 (South)	11:04	0.011	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:37	69	55 - 60	**66**
Station 2 (North)	10:47	61	< 50	**65**
Station 3 (East)	10:58	56	50 - 55	**61**
Station 4 (South)	11:04	74	55 - 60	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander working on site maintenance and preparing for next weeks hauling activities. They are stockpiling the former north staging area near the load out zone. No odor detected at any monitoring station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was low levels of traffic on Granada (8 cars). Traffic on Granada was measured at 55 - 69 dBA. Traffic on Highway 5 was recorded at <50 - 65 dBA.

Station 2 (Upper 35th St N):

Four vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (57 - 61 dBA). Site noise was measured at <50 - 57 dBA. Site noises audible at Station 2 included engines running, excavator bucket banging and ripping/scraping. Background noise (insects and birds) was measured at <50 - 52 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (equipment engines, excavator bucket banging and beeping) were audible and the noise monitor registered <50 - 54 dBA. Background noise (insects and birds) was measured at 52 - 56 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at <50 - 51 dBA (equipment engines). Vehicles traveling west on Highway 5 were measured at 66 - 74 dBA. Cars traveling east on Highway 5 were measured at 53 - 61 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/19/2011	**2. Weather:**	70 °F, cloudy E/SE wind @ 5.7 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:05	0.0	0.0	**0.1**
Station 2 (North)	15:12	0.0	0.0	**0.1**
Station 3 (East)	15:20	0.0	0.0	**0.0**
Station 4 (South)	15:28	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:05	0.075	0.002	**0.045**
Station 2 (North)	15:12	0.001	0.000	**0.011**
Station 3 (East)	15:20	0.000	0.000	**0.022**
Station 4 (South)	15:28	0.057	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:05	70	53 - 58	**66**
Station 2 (North)	15:12	61	< 50	**65**
Station 3 (East)	15:20	56	52	**61**
Station 4 (South)	15:28	74	60 - 65	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander shutting down and preparing to leave for the day. No odor detected at any monitoring station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (14 cars). Traffic on Granada was measured at 56 - 70 dBA. Traffic on Highway 5 was recorded at <50 - 69 dBA.

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (61 dBA). Background noise (insects and birds) was measured at <50 - 51 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (insects and birds) was measured at 52 - 56 dBA.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 67 - 74 dBA. Cars traveling east on Highway 5 were measured at 53 - 61 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/23/2011	**2. Weather:**	64 °F, cloudy NW wind @ 6.4 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	9:41	0.0	0.0	**0.1**
Station 2 (North)	9:48	0.0	0.0	**0.1**
Station 3 (East)	9:57	0.0	0.0	**0.0**
Station 4 (South)	10:05	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	9:41	0.000	0.000	**0.045**
Station 2 (North)	9:48	0.000	0.000	**0.011**
Station 3 (East)	9:57	0.000	0.000	**0.022**
Station 4 (South)	10:05	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	9:41	67	53 - 58	**66**
Station 2 (North)	9:48	62	< 50 - 52	**65**
Station 3 (East)	9:57	61	52 - 57	**61**
Station 4 (South)	10:05	74	55 - 60	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander in the process of removing the on-site truck scale. No odor detected at any monitoring station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (11 cars). Traffic on Granada was measured at 55 - 67 dBA. Traffic on Highway 5 was recorded at 55 - 63 dBA.

Station 2 (Upper 35th St N):

Two vehicles passed monitoring station during Station 2 monitoring event on Upper 35th Street N (58 dBA, 62 dBA). Background (birds) was recorded at <50 - 52 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Site equipment (banging and beeping) were audible and the noise monitor registered <50 - 61 dBA. Background noise (insects and birds) was measured at <50 - 58 dBA. A neighbor running a lawnmower was measured at 53 - 56 dBA.

Station 4 (Hwy 5):

Site activities registered on the noise monitor at <50 - 52 dBA (banging and beeping). Vehicles traveling west on Highway 5 were measured at 64 - 74 dBA. Cars traveling east on Highway 5 were measured at 54 - 63 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/23/2011	**2. Weather:**	68 °F, cloudy NW wind @ 7.4 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	14:00	0.0	0.0	**0.1**
Station 2 (North)	14:07	0.0	0.0	**0.1**
Station 3 (East)	14:16	0.0	0.0	**0.0**
Station 4 (South)	14:25	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	14:00	0.046	0.000	**0.045**
Station 2 (North)	14:07	0.015	0.000	**0.011**
Station 3 (East)	14:16	0.004	0.000	**0.022**
Station 4 (South)	14:25	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	14:00	69	53 - 58	**66**
Station 2 (North)	14:07	68	< 50	**65**
Station 3 (East)	14:16	60	< 50 - 52	**61**
Station 4 (South)	14:25	78	58 - 63	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander working on site maintenance and on-site road maintenance. No odor detected at any monitoring station. No noises associated with site activities detected at any stations.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (15 cars). Traffic on Granada was measured at 54 - 69 dBA. Traffic on Highway 5 was recorded at <50 - 64 dBA.

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (68 dBA). Background (birds) was recorded at <50 - 51 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (birds) was measured at <50 - 57 dBA. Distant traffic was recorded at 53 - 60 dBA.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 65 - 78 dBA. Cars traveling east on Highway 5 were measured at 58 - 63 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/24/2011	**2. Weather:**	58 °F, cloudy E wind @ 4.7 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	10:32	0.0	0.0	**0.1**
Station 2 (North)	10:38	0.0	0.0	**0.1**
Station 3 (East)	10:47	0.0	0.0	**0.0**
Station 4 (South)	10:56	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	10:32	0.000	0.000	**0.045**
Station 2 (North)	10:38	0.000	0.000	**0.011**
Station 3 (East)	10:47	0.000	0.000	**0.022**
Station 4 (South)	10:56	0.000	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	10:32	68	55 - 60	**66**
Station 2 (North)	10:38	69	< 50	**65**
Station 3 (East)	10:47	64	50 - 55	**61**
Station 4 (South)	10:56	80	55 - 60	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander working on site maintenance. No noises associated with site activities detected at any stations. A very slight (inconsistent) odor detected at Station 4.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (10 cars). Traffic on Granada was measured at 56 - 68 dBA. Traffic on Highway 5 was recorded at 53 - 65 dBA.

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (69 dBA). Background (birds) was recorded at <50 - 52 dBA.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (birds, insects, traffic, air traffic) was measured at <50 - 64 dBA.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 65 - 80 dBA. Cars traveling east on Highway 5 were measured at 58 - 64 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/25/2011	**2. Weather:**	53 °F, cloudy NE/E wind @ 7.4 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	8:06	0.0	0.0	**0.1**
Station 2 (North)	8:14	0.0	0.0	**0.1**
Station 3 (East)	8:23	0.0	0.0	**0.0**
Station 4 (South)	8:33	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	8:06	0.006	0.000	**0.045**
Station 2 (North)	8:14	0.035	0.005	**0.011**
Station 3 (East)	8:23	0.027	0.000	**0.022**
Station 4 (South)	8:33	0.011	0.001	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	8:06	68	52 - 57	**66**
Station 2 (North)	8:14	62	< 50	**65**
Station 3 (East)	8:23	59	50 - 55	**61**
Station 4 (South)	8:33	74	58 - 63	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander aerating stockpile B2-14 004-1 and hauling approved stockpile material to SKB. A mild odor was detected at Station 4. The first haul truck of the day was loaded during the monitoring event at Station 4.

Station 1 (Granada Ave):

During the Station 1 monitoring there was low levels of traffic on Granada (8 cars). Traffic on Granada was measured at 55 - 68 dBA. Traffic on Highway 5 was recorded at 50 - 64 dBA. Site activities (beeping) were recorded at 52 - 54 dBA.

Station 2 (Upper 35th St N):

Five cars passed monitoring station during Station 2 monitoring event on Upper 35th Street N (56 - 62 dBA). Background (birds) was recorded at <50 - 58 dBA. Site activities were audible but not recorded above background levels.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (birds and insects) was measured at 52 - 59 dBA. Beeping from site equipment was audible but not above background levels.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 59 - 74 dBA. Cars traveling east on Highway 5 were measured at 58 - 62 dBA. Site loading activities were recorded at 56 - 67 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/25/2011	**2. Weather:**	63 °F, cloudy N/NE wind @ 7.3 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	15:37	0.0	0.0	**0.1**
Station 2 (North)	15:44	0.0	0.0	**0.1**
Station 3 (East)	15:53	0.0	0.0	**0.0**
Station 4 (South)	16:02	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	15:37	0.048	0.002	**0.045**
Station 2 (North)	15:44	0.019	0.000	**0.011**
Station 3 (East)	15:53	0.000	0.000	**0.022**
Station 4 (South)	16:02	0.012	0.001	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	15:37	73	55 - 60	**66**
Station 2 (North)	15:44	66	< 50	**65**
Station 3 (East)	15:53	57	< 50 - 53	**61**
Station 4 (South)	16:02	76	58 - 63	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

End of hauling activities for today. Bolander hauled 44 loads of approved stockpile material and stockpile staging area material to SKB. Bolander aerating stockpile B2-14 004-1 and preparing for the hauling event tomorrow (stockpiling material from stockpile staging areas near the load out). A mild odor was detected at Station 4 (downwind).

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (12 cars). Traffic on Granada was measured at 57 - 73 dBA. Traffic on Highway 5 was recorded at 53 - 61 dBA.

Station 2 (Upper 35th St N):

Three cars passed monitoring station during Station 2 monitoring event on Upper 35th Street N (64 - 66 dBA). Background (birds) was recorded at <50 - 52 dBA. Site activities were audible but not recorded above background levels.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (wind, birds and insects) was measured at <50 - 57 dBA. Beeping from site equipment was recorded at 52 - 56 dBA and banging was recorded at <50 - 55 dBA.

Station 4 (Hwy 5):

Site activities (stripping and staging of stockpile staging material) were recorded at 59 - 65 dBA. Vehicles traveling west on Highway 5 were measured at 63 - 76 dBA. Cars traveling east on Highway 5 were measured at 55 - 59 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/26/2011	**2. Weather:**	58 °F, cloudy N/NE wind @ 5.9 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	11:58	0.0	0.0	**0.1**
Station 2 (North)	12:04	0.0	0.0	**0.1**
Station 3 (East)	12:13	0.0	0.0	**0.0**
Station 4 (South)	12:21	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	11:58	0.059	0.007	**0.045**
Station 2 (North)	12:04	0.002	0.000	**0.011**
Station 3 (East)	12:13	0.003	0.000	**0.022**
Station 4 (South)	12:21	0.003	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	11:58	70	50 - 55	**66**
Station 2 (North)	12:04	69	< 50	**65**
Station 3 (East)	12:13	52	< 50	**61**
Station 4 (South)	12:21	80	55 - 60	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

End of hauling activities. Bolander hauled 25 loads of Stockpile Staging Area Material to SKB. Mild odor detected at Station 4 downwind.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (8 cars). Traffic on Granada was measured at 61 - 70 dBA. Traffic on Highway 5 was recorded at 51 - 65 dBA.

Station 2 (Upper 35th St N):

Three cars passed monitoring station during Station 2 monitoring event on Upper 35th Street N (60, 62 and 69 dBA). Background (birds and dogs) was recorded at <50 - 54 dBA. Site activities were audible but not recorded above background levels.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (birds and insects) was measured at <50 - 52 dBA. Site activities were audible but not recorded above background levels.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 65 - 80 dBA. Cars traveling east on Highway 5 were measured at 54 - 67 dBA. Site equipment was recorded at 50 - 52 dBA. Air traffic was recorded at 55 - 60 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/26/2011	**2. Weather:**	60 °F, cloudy NE wind @ 5.0 mph
3. Prepared By:	Rachel McLoughlin		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) N

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	13:36	0.0	0.0	**0.1**
Station 2 (North)	13:44	0.0	0.0	**0.1**
Station 3 (East)	13:52	0.0	0.0	**0.0**
Station 4 (South)	14:01	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	13:36	0.072	0.003	**0.045**
Station 2 (North)	13:44	0.006	0.000	**0.011**
Station 3 (East)	13:52	0.082	0.000	**0.022**
Station 4 (South)	14:01	0.011	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) Y

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	13:36	68	50 - 55	**66**
Station 2 (North)	13:44	62	< 50	**65**
Station 3 (East)	13:52	64	50 - 55	**61**
Station 4 (South)	14:01	77	55 - 60	**90**

7. Comments (Site Activities, Traffic, Observations, etc.):

General Comments:

Bolander moved stockpile B2-14 004-1 to the load out and is finishing ripping up and stockpiling the remainder of the stockpile staging area. While at Station 4 Bolander begins decontamination of the excavator (in a trench over the footprint of the excavation). No site odors detected at any station.

Station 1 (Granada Ave):

During the Station 1 monitoring there was moderate levels of traffic on Granada (13 cars). Traffic on Granada was measured at 57 - 68 dBA. Traffic on Highway 5 was recorded at <50 - 68 dBA.

Station 2 (Upper 35th St N):

One car passed monitoring station during Station 2 monitoring event on Upper 35th Street N (62 dBA). Background (birds, dogs and air traffic) was recorded at <50 - 58 dBA. Site activities were audible but not recorded above background levels.

Station 3 (35th St N):

No vehicle traffic on 35th Street N during monitoring event. Background noise (birds, insects and air traffic) was measured at <50 - 64 dBA.

Station 4 (Hwy 5):

Vehicles traveling west on Highway 5 were measured at 61 - 77 dBA. Cars traveling east on Highway 5 were measured at 56 - 69 dBA. Site decontamination activities were recorded at 53 - 57 dBA and the excavator was recorded at 57 - 61 dBA.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	5/31/2011	**2. Weather:**	73 deg F, WSW wind at 23 mph, mostly clear
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1524	0.0	0.0	**0.1**
Station 2 (North)	1505	0.0	0.0	**0.1**
Station 3 (East)	1511	0.0	0.0	**0.0**
Station 4 (South)	1518	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1524	0.029	0.000	**0.045**
Station 2 (North)	1505	0.009	0.000	**0.011**
Station 3 (East)	1511	0.065	0.009	**0.022**
Station 4 (South)	1518	0.017	0.000	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1524	75	65 - 70	**66**
Station 2 (North)	1505	65	55 - 60	**65**
Station 3 (East)	1511	69	60 - 65	**61**
Station 4 (South)	1518	85	75 - 80	**90**

General Comments:

General site activities. One soil stockpile remains onsite. No odors at any station. No action levels exceeded.

Station 1 (Granada Ave):
Wind noise in background.

Station 2 (Upper 35th St N):

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic noise in background.

Oakdale Disposal Site (OKMN) / Soil Removal Project - Perimeter Monitoring Form

1. Date:	6/1/2011	**2. Weather:**	61 deg F, N wind at 5 mph, partly cloudy
3. Prepared By:	J.Hunter		

4. Ambient Air Monitoring - (VOCs) (Action Level - 2.5 ppm above background as a 15 min TWA)

Instrument used: **Mini-RAE 2000**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (ppm)**	**Average (ppm)**	**Established Background (ppm)**
Station 1 (West)	1146	0.0	0.0	**0.1**
Station 2 (North)	1042	0.0	0.0	**0.1**
Station 3 (East)	1050	0.0	0.0	**0.0**
Station 4 (South)	1059	0.0	0.0	**0.1**

5. Ambient Air Monitoring - PM10 (Particulate Monitoring) (Action Level - 0.1 mg/m^3 above background)

Instrument used: **MIE DataRam PDR**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (mg/m3)**	**Average (mg/m3)**	**Established Background (mg/m3)**
Station 1 (West)	1146	0.011	0.001	**0.045**
Station 2 (North)	1042	0.011	0.001	**0.011**
Station 3 (East)	1050	0.027	0.000	**0.022**
Station 4 (South)	1059	0.022	0.006	**0.021**

6. Noise Monitoring - (Action Level - 65 dBA near Household [80 dBA near Highway] above background)

Instrument used: **Simpson Model 884 Type S2A**

Calibration performed? (Y or N) n

			Action Level Monitoring	
Station / Sample Location	**Time**	**Maximum Reading (dBA)**	**Average Range (dBA)**	**Established Background (dBA)**
Station 1 (West)	1146	68	60 - 65	**66**
Station 2 (North)	1042	70	52 - 57	**65**
Station 3 (East)	1050	62	54 - 59	**61**
Station 4 (South)	1059	82	72 - 77	**90**

General Comments:

Loading and hauling trucks. No action levels exceeded. No odors at any station.

Station 1 (Granada Ave):
Hauling finished for day at time of monitoring.

Station 2 (Upper 35th St N):
Car traffic noise in background.

Station 3 (35th St N):

Station 4 (Hwy 5):
Car traffic noise in background.

APPENDIX J
WELL CONSTRUCTION LOGS

WELL CONSTRUCTION LOG

Site ID:	W-21R
Page	1 of 1
DATE OF WELL CONSTRUCTION:	30-Aug-11

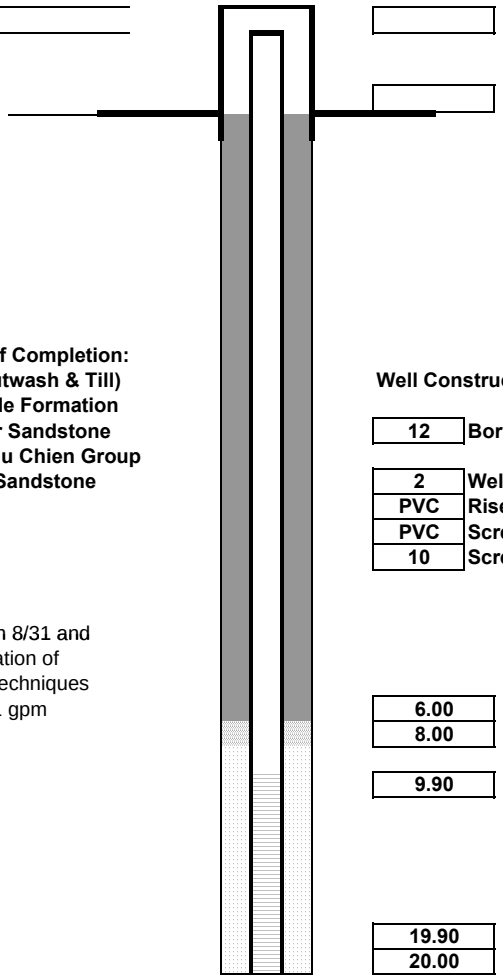
CLIENT:	Confidential
SITE NAME:	Oakdale Disposal Site, Oakdale, MN
PROJECT NO.:	02181-202-025-0001
DRILLING CO.:	Traut Drilling, Inc.
LOGGED BY:	D. Cairns

DEPTH TO WATER (TOC):	11.60
DEPTH TO WATER (GS):	9.05

Northing:
Easting:

TOC Elevation (fmsl)

GND Elevation (fmsl)



Lithologic Unit of Completion:

(x) Drift (Outwash & Till)
( ) Platteville Formation
( ) St. Peter Sandstone
( ) Prairie du Chien Group
( ) Jordan Sandstone
( ) Other:

Well developed on 8/31 and 9/1 using combination of pump and surge techniques
Well produces < 1 gpm

Well Construction:

12	Boring Diameter (in)
2	Well Diameter (in)
PVC	Riser Material
PVC	Screen Material
10	Screen Length (ft)

6.00	Top of Fine-grained Sand
8.00	Top of Coarse-grained Sand
9.90	Top of Screen
10	Screen Slot
19.90	Bottom of Screen
20.00	Total Boring Depth

Lithologic Contact Depths (fbgs)

0	to	20	Glacial Drift (Outwash Gravels / Till)
	to		Platteville Formation
	to		Glenwood Formation
	to		St. Peter Sandstone
	to		Prairie du Chien Formation
	to		Jordan Sandstone

CS	Carbon Steel	gal.	Gallons
SS	Stainless Steel	TOC	Top of casing

Depths are presented as feet below ground surface unless otherwise indicated.

WESTON MANAGERS DESIGNERS CONSULTANTS

WELL CONSTRUCTION LOG

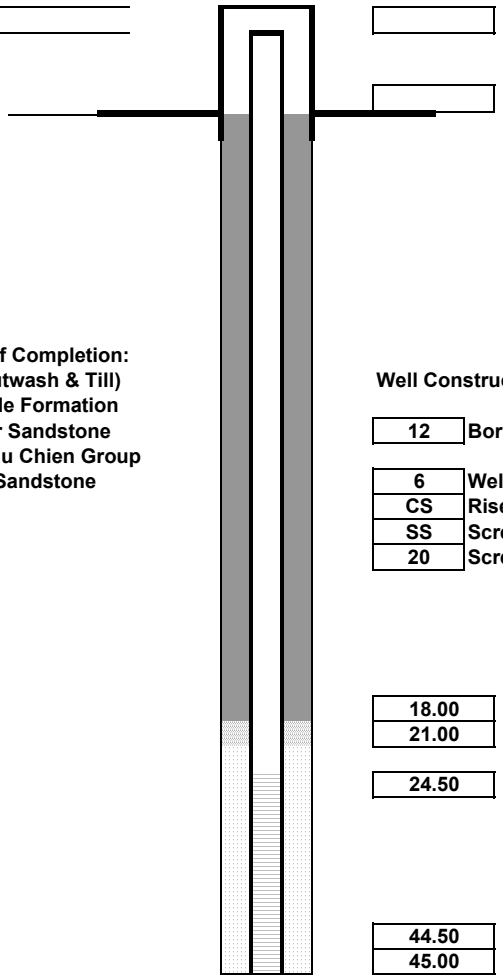
Site ID:	PW-26

CLIENT:	Confidential	Page	1 of 1
SITE NAME:	Oakdale Disposal Site, Oakdale, MN	DATE OF WELL CONSTRUCTION:	1-Sep-11
PROJECT NO.:	02181-202-025-0001		
DRILLING CO.:	Traut Drilling, Inc.	DEPTH TO WATER (TOC):	19.00
LOGGED BY:	D. Cairns	DEPTH TO WATER (GS):	15.55

Northing:
Easting:

TOC Elevation (fmsl)

GND Elevation (fmsl)



Lithologic Unit of Completion:

(x) Drift (Outwash & Till)
( ) Platteville Formation
( ) St. Peter Sandstone
( ) Prairie du Chien Group
( ) Jordan Sandstone
( ) Other:

Well Construction:

12	Boring Diameter (in)
6	Well Diameter (in)
CS	Riser Material
SS	Screen Material
20	Screen Length (ft)
18.00	Top of Fine-grained Sand
21.00	Top of Coarse-grained Sand
24.50	Top of Screen
10	Screen Slot
44.50	Bottom of Screen
45.00	Total Boring Depth

Lithologic Contact Depths (fbgs)

0	to	45	Glacial Drift (Outwash Gravels / Till)
	to		Platteville Formation
	to		Glenwood Formation
	to		St. Peter Sandstone
	to		Prairie du Chien Formation
	to		Jordan Sandstone

CS	Carbon Steel	gal.	Gallons
SS	Stainless Steel	TOC	Top of casing

Depths are presented as feet below ground surface unless otherwise indicated.

WESTON MANAGERS DESIGNERS CONSULTANTS

SOIL BORING LOG

SITE ID:	PW-26		
Page	1 of 2		
CLIENT:	Confidential	ELEV. (GRND):	
SITE NAME:	Oakdale Disposal Site	(TOC):	
PROJECT NO.:	02181-202-005-0001	NORTHING:	
DRILLING CO.:	Matrix Environmental	EASTING:	
LOGGED BY:	Dave Cairns	DEPTH TO BEDROCK (fbgs):	
DRILL METHOD:	GeoProbe Rig	RESIDUUM BOREHOLE DIA. (in):	3
SITE TYPE:	Soil Boring	BDRK BOREHOLE DIA. (in):	
COMMENTS:			

DATE BEGIN:	20-Mar-08
DATE END:	20-Mar-08
DEPTH TO WATER (TOC):	
TOTAL BORING DEPTH (fbgs):	
TOTAL WELL DEPTH (fbgs):	

LOCATION DESCRIPTION

Original Geoprobe boring to characterize lithology drilled in March 2008.
Well completion performed 31 August through 2 September 2011.

CORE INTERVAL	RECOVERY	DESC. DEPTH INTERVAL (Feet bgs) from	to	MOISTURE	STRENGTH	SOIL TEXTURE G	S	Sl	C	O	OVM Reading (screening)	OVM Reading (Headspace)	COLUMN	GEOLOGIC UNIT	Munsell Code	LITHOLOGIC DESCRIPTION
0-4'	3.0'	0	3	Moist	Loose	15	30	50	5		0.4	0.6			10YR4/3	brown sandy SILT - topsoil in upper 0.1' (FILL), some gravel,
																poorly sorted, reworked soil, slight odor.
4-8'	3.0'	4	5.1	Moist	Soft	5	15	60	15	5	32.0	17.2			10YR2/1	black SILT, little sand, loose, some roots (FILL)
		5.1	7	Moist	Loose	5	25	35	35						5GY5/1	gray sandy SILT/CLAY, loose, (FILL), moist
8-12'	2.0'	8	8.1	Moist	Loose	5	25	35	35		13.0	2.3			5GY5/1	SILT/CLAY, as above
		8.1	8.9	Moist	Loose		60	25	15						5GY4/1	dark greenish gray SAND (f-m), some silt, trace clay, moist
		8.9	10	Moist	Loose		80	20							2.5Y4/3	olive brown SAND (m), moderately sorted, wet in very bottom of sleeve
12-16'	1.4'	12	12.8	Wet	Loose	5	90	5			3.8	5.5			2.5Y4/2	dark grayish brown SAND (m-cs), some fine sand, moderately sorted,
																sub-round, trace silt/gravel, slight solvent odor
		12.8	13.2	Wet	Loose	5	30	50	15						2.5Y4/2	dark grayish brown sandy SILT, some clay, osfot
		13.2	13.4	Wet	Loose	5	90	5								SAND, same as 12-12.8 ft interval
16-20'	1.5'	16	16.5	Wet	Loose	30	45	20	5		1.3	4			2.5Y4/2	dark grayish brown gravelly SAND, little silt, fairly tight zone, will
																produce a little water
20-24'	2.8'	20	22.2	Wet	Loose	10	85	5			3	23			2.5Y4/3	olive brown SAND (f-m), little gravel up to 1/2", loose, sub-round
																moderately sorted.
		22.2	22.8	Wet	Loose		100				13				2.5Y4/3	olive brown SAND (m-cs), saturated, solvent odor.
24-28'	1.0'	24	25	Wet	Loose		100				2	42			5Y5/1	gray SAND (m), encountered "running" sands in this interval.
28-32'	2.1'	28	30.1	Wet	Loose	35	60	5			7	8			5GY5/1	gray gravelly SAND (cs-v.cs), poorly sorted, sub-round, gravel up to
																1".
32-36'	2.8'	32	33.6	Wet	Soft	2	8	70	20		0.3	3			5Y5/1	gray SILT, little v.f. to fine sand, little clay, moist.
		33.6	34.8	Wet	Loose	5	90	5							5Y4/1	dark gray SAND (m-v.cs.), poorly sorted, loose, subangular to
																sub-round, trace silt.
36-40'	1.8'	36	37.8	Wet	Loose											SAND (alluvium), as above

MOISTURE

Dry	Dry
Mst	Moist
Wet	Wet
Sat	Saturated
Wpr	Wet Perched

TEXTURAL TERMS

v.f.g.	Very Fine-Grained	Fr	Friable
f.g.	Fine-Grained	Blk	Blocky
m.g.	Medium-Grained	Str	Streaked
c.g.	Coarse-Grained	Mtl	Mottled
v.c.g.	Very Coarse-Grained	grd	Graded
		trn	Transitional

STRENGTH

Soft	Soft unconsolidated material, i.e. clay to silt
Loose	Will not retain shape, i.e. clean sand
Mod	Retains shape but friable or crumbles with pressure.
Firm	Retains shape and difficult to crumble
Comp C	Competent rock retrieved as core sections
Comp R	Competent rock retrived as loose gravel

WESTON MANAGERS DESIGNERS & CONSULTANTS

SOIL BORING LOG

				SITE ID:	PW-26
				Page	2 of 2
CLIENT:	Confidential	ELEV. (GRND):			
SITE NAME:	Oakdale Disposal Site	(TOC):		DATE BEGIN:	20-Mar-08
PROJECT NO.:	02181-202-005-0001	NORTHING:		DATE END:	20-Mar-08
DRILLING CO.:	Matrix Environmental	EASTING:			
LOGGED BY:	Dave Cairns	DEPTH TO BEDROCK (fbgs):		DEPTH TO WATER (TOC):	
DRILL METHOD:	GeoProbe Rig	RESIDUUM BOREHOLE DIA. (in):	3	TOTAL BORING DEPTH (fbgs):	
SITE TYPE:	Soil Boring	BDRK BOREHOLE DIA. (in):		TOTAL WELL DEPTH (fbgs):	
COMMENTS:					

LOCATION DESCRIPTION

Original Geoprobe boring to characterize lithology drilled in March 2008.
Well completion performed 31 August through 2 September 2011.

CORE INTERVAL	RECOVERY	DESC. DEPTH INTERVAL (Feet bgs) from	to	MOISTURE	STRENGTH	SOIL TEXTURE G	S	Sl	C	O	OVM Reading (screening)	OVM Reading (Headspace)	COLUMN	GEOLOGIC UNIT	Munsell Code	LITHOLOGIC DESCRIPTION
40-44'	2.6'	**40**	**42.6**	Wet	Loose						Bkg	Bkg				SAND (alluvium), as above
44-48'	1.6'	**44**	**45.6**	Wet	Loose						Bkg	Bkg				SAND (alluvium), as above
48-52'	0.1'	**48**	**48.1**													poor recovery, sediment in sleeve same as above, pushing gravel?
																clear bottom of rods with solid point
52-53.1'	1.1	**52**	**53.1**	Moist	Firm	10	15	25	40		Bkg	Bkg			2.5Y4/2	dark grayish-brown CLAY (TILL), some silt, little sand and pebbles,
																dense, sl. Moist. Encountered geoprobe refusal at 53 ft. bgs., could
																not advance rods beyond this point.

MOISTURE		TEXTURAL TERMS				STRENGTH	
Dry	Dry	v.f.g.	Very Fine-Grained	Fr	Friable	Soft	Soft unconsolidated material, i.e. clay to silt
Mst	Moist	f.g.	Fine-Grained	Blk	Blocky	Loose	Will not retain shape, i.e. clean sand
Wet	Wet	m.g.	Medium-Grained	Str	Streaked	Mod	Retains shape but friable or crumbles with pressure.
Sat	Saturated	c.g.	Coarse-Grained	Mtl	Mottled	Firm	Retains shape and difficult to crumble
Wpr	Wet Perched	v.c.g.	Very Coarse-Grained	grd	Graded	Comp C	Competent rock retrieved as core sections
				trn	Transitional	Comp R	Competent rock retrived as loose gravel

WESTON MANAGERS DESIGNERS & CONSULTANTS

APPENDIX K
MCES DISCHARGE PERMIT

Metropolitan Council

Environmental Services

January 5, 2011

3M Co
3M Center, Building 224-2E-55
St Paul, MN 55144-1000

RE: Industrial Discharge Permit (Special Discharges) Number 2021

For Site Located At: 3349 Granada Ave
Oakdale, MN 55128

ATTN: James R Kotsmith

TRANSMITTED HEREWITH is the reissued Industrial Discharge Permit (Special Discharges) for the above referenced site. This Permit has been reissued by Metropolitan Council Environmental Services for the period specified, and it supersedes the previous Permit. The discharge of landfill leachate, contaminated groundwater or special industrial waste into the Metropolitan Disposal System is hereby allowed, subject to any and all provisions of the Waste Discharge Rules for the Metropolitan Disposal System, and this Permit.

THE PERMIT contains Discharge Limitations, Monitoring and Reporting Requirements, Special Conditions regarding connected and nonconnected sites, General Permit Conditions, and Specific Permit Conditions. Any failure to submit the required Special Discharge Reports is a violation of this Permit. The Permit Number shall be included on all correspondence regarding this Permit.

THE PERMITTEE is reminded that renewal of this Permit is not automatic; the Permittee must apply for renewal at least 60 days prior to the Permit expiration date. If questions arise, contact Tina Nelson at (651) 602-4728 or via email at martina.nelson@metc.state.mn.us.

Sincerely,

Leo H. Hermes

Leo H. Hermes, P.E.
Industrial Waste Manager
MCES Industrial Waste Section

Permit No. 2021

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES
(MCES)

INDUSTRIAL DISCHARGE PERMIT
SPECIAL DISCHARGES

Pursuant to the provisions of Minnesota Statutes Chapter 473 as amended, the Waste Discharge Rules for the Metropolitan Disposal System (MDS), and the MCES Leachate and Contaminated Groundwater Program, permission is hereby granted to

3M Co
Building 42-2E-27, P O Box 33331
St Paul, MN 55133-3331

for the discharge of contaminated groundwater and clarifier backwash

from Granada Ave & Hwy 5, Oakdale, MN 55119

into the Metropolitan Council's Metropolitan Wastewater Treatment Plant.

This permit is granted in accordance with the application filed on November 24, 2010 and in consideration of the plans, specifications, and data contained in the application.

Discharge Limitations, Monitoring and Reporting Requirements, Special Conditions regarding connected and non-connected sites, and Permit Conditions are contained in following sections of this Permit.

EFFECTIVE DATE: February 1, 2011
EXPIRATION DATE: January 31, 2014

Issued by METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

1-6-11

General Manager, or duly authorized representative — Date
Keith J. Buttleman, Assistant General Manager
Environmental Quality Assurance Department

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

A. Discharge Limitations

1. Local Pretreatment Standards:

Parameter	Standard (mg/L)
Cadmium (Cd)	1.0
Chromium - total (Cr)	6.0
Copper (Cu)	4.0
Cyanide - total (CN)	4.0
Lead (Pb)	1.0
Mercury (Hg)	0.002
Nickel (Ni)	6.0
Zinc (Zn)	6.0
pH - maximum (units)	11.0
pH - minimum (units)	5.0

Local pretreatment standards for metals and cyanide are the maximum for any 24 hour period. pH standards are continuous and apply at all times.

2. Additional Limitations:

The following limits apply to contaminated groundwater discharges:

Concentration of any one toxic organic parameter	3	mg/L
Combined total toxic organics parameter concentration	10	mg/L
Total hydrocarbons (for petroleum-related discharges)	100	mg/L
Additional Special Limits: NA		mg/L

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

3. Prohibited Waste Discharges:

Prohibited Waste Discharges are specified in Waste Discharge Rule 406 and include, but are not limited to the following: (a) Flammable, explosive, and corrosive wastes, gasoline, fuel oil, lubricating oil, hydraulic oil, motor oil, or grease; (b) Wastes that are likely to obstruct the flow within public sewers: grease, fat or oil of animal or vegetable origin, solid wastes, garbage, guts, bones, ash, sand, rags, lime, metal, wood, plastic, glass, or yard wastes; (c) Wastes that are likely to cause interference, pass-through or operational problems: slug discharges, toxic chemicals, poisons, dyes, or inks; (d) Wastes that are likely to cause a public nuisance: noxious, malodorous, or foam producing substances; (e) Cooling water, runoff, and other unpolluted water; (f) Hazardous wastes, as defined by Minnesota Statutes; and (g) Wastes generated outside of the Metropolitan Area, unless prior approval is obtained from MCES.

B. Monitoring and Reporting Requirements

1. Sample Collection

Representative wastewater sample(s) shall be collected from the following sample locations. See Attachment A for sample collection frequency.

SP-01: the sanitary sewer maintenance hole outside the Pump-Out Control and Treatment Building, which discharges into the sanitary sewer line running parallel to Granada Avenue.

SP-03: blowdown discharge from monthly backwashing of the clarifier.

2. Parameters

Chemical analysis, in accordance with Waste Discharge Rule 216, of the sample(s) representing the waste discharged through the specified sample location(s), shall be performed for the following parameters:

See Attachment A.

3. Reporting Requirements

a) Schedule:
The Permittee is required to submit complete Special Discharge Reports to MCES 4 times per year according to the following schedule:

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

Reporting Period	Reports Due in MCES office by
January 1 – March 31	April 30
April 1 – June 30	July 30
July 1 – September 30	October 30
October 1 – December 31	January 30

Reports shall be submitted each reporting period until this Permit is terminated, whether or not a discharge has occurred during a given reporting period.

b) Report Contents:
A complete report consists of an MCES Special Discharge Report form and a copy of the laboratory data sheets for all samples collected for this discharge during the reporting period. The total discharge volume for the reporting period shall be reported. Other pertinent information shall also be included, such as operational problems and changes, etc. The Permittee or a designated authorized representative shall sign the Special Discharge Report.

C. Special Conditions for Discharge Sites Not Connected to Public Sewers

1. Discharge Location

Permitted discharges for sites not connected to public sewers must be transported by an MCES-permitted Liquid Waste Hauler to the Third and Commercial Disposal Site in St. Paul. As defined in Waste Discharge Rule 104.28, public sewers include MCES interceptors and all community-owned sanitary and combined sewers that are tributary to the MDS.

2. Load Charge

Transported discharges will be subject to a Load Charge which includes a volume component, a strength component, and a facilities cost component. The volume component is based on the volume rate that MCES charges all communities served. The strength component is based on volume, a Chemical Oxygen Demand concentration in excess of 500 milligrams per liter (mg/L) and a Total Suspended Solids concentration in excess of 250 mg/L. The facilities cost component includes debt service for capital costs for new or upgraded disposal sites, and associated operating costs. The Load Charge recovers the full cost of treating hauled liquid waste discharged into MCES facilities. The Out of Service Area Load Charge includes an additional $10.00 per 1000 gallons service fee. The MCES rates used to calculate the load charge components are adjusted annually.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

D. Special Conditions for Discharge Sites Connected to Public Sewers

1. Connection Approval

   A Permittee making a connection to a community-owned sewer or an MCES interceptor shall obtain approval from the appropriate authority prior to making the connection. Billing for sewer use shall also be arranged with the community.

2. Volume Measurement

   The Permittee shall install and maintain an appropriate discharge volume metering device, in accordance with Waste Discharge Rules 213 and 215.

3. Add-on Service Charge (ASC)

   Permitted sites that are connected to public sewers will be subject to an add-on service charge for temporary use of reserve capacity in the MDS.

E. General Permit Conditions

1. All discharges into public sewers by the Permittee shall be in accordance with applicable provisions of the Waste Discharge Rules for the MDS, the MCES Leachate and Contaminated Groundwater Program and this Permit.

2. The Permittee shall not knowingly make any false statement, representation or certification in any record, report, plan or other document submitted to MCES.

3. This Permit shall not release the Permittee from any liability, duty or penalty imposed by local, state or federal statutes, regulations, ordinances or license requirements regarding waste disposal.

4. The Permittee shall take all reasonable precautions to minimize all accidental discharges including prohibited slugs, spills and bypasses. Plans for the prevention and control of accidental discharges shall be submitted to the Industrial Waste Section for approval within a specified period of time when required by MCES. **In the event of any significant accidental discharge, spill or bypass, the Permittee shall IMMEDIATELY notify the Minnesota State Duty Officer at (651) 649-5451 and report the facility address, and other pertinent information.** In accordance with Waste Discharge Rule 412, for sites connected to public sewers, the Permittee shall post a permanent notice in a prominent place advising employees how to notify the Minnesota State Duty Officer in the event of an accidental or prohibited slug discharge.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

5. The Permittee shall notify the Industrial Waste Section within 24 hours of becoming aware of any violation of the Discharge Limitations in Section A. of this Permit.

6. The Permittee shall pay applicable Permit fees, add-on service charges, Strength Charges, Load Charges and self-monitoring report late fees assessed by MCES.

7. In accordance with Waste Discharge Rule 211, the Permittee shall not assign or transfer an Industrial Discharge Permit (Special Discharges) to a new owner, without written approval of MCES. The Permittee shall provide a copy of this Permit to the new owner.

8. In accordance with Waste Discharge Rule 214, the Permittee shall allow MCES personnel to enter the Permittee's site for the purposes of inspection, monitoring, records review and other actions, as necessary, to verify information received by MCES and to determine compliance with the Waste Discharge Rules and this Permit.

9. The Permittee shall retain its waste disposal records, in accordance with Waste Discharge Rule 214, for a period of not less than three years.

10. The laboratory reports for all wastewater monitoring conducted during each reporting period, at the point of discharge to public sewers, shall be submitted with the Special Discharge Report for that period. Reports must be submitted each quarter until this Permit is terminated. Sample collection and analytical methods shall meet EPA protocol established in 40 CFR Part 136.

11. The Permittee shall report any operational changes or practices which differ from those described in the original Special Discharge Permit application, including changes in pretreatment system design or operation, or rate of discharge. The Permittee shall also notify the Industrial Waste Section within 48 hours if the discharge is temporarily or permanently discontinued.

12. This Permit supersedes any MCES discharge approvals or Industrial Discharge Permits previously issued for this site.

13. This Permit is not exclusive. This Permit shall not release the Permittee from conditions set forth by the Minnesota Pollution Control Agency, Minnesota Department of Health, Minnesota Department of Natural Resources or the community in which the site is located.

14. The Permittee shall be subject to civil liability as a result of discharges which violate the Waste Discharge Rules, applicable federal pretreatment standards or requirements, or any requirement or condition contained in this Permit. Further, any violation may also result in the Permittee being subject to civil and/or criminal penalties in the amount of $1,000 per day, 90 days imprisonment, or both.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

F. Specific Permit Conditions

1. All contaminated groundwater shall pass through a PFC pretreatment system consisting of granular activated carbon (GAC) prior to discharge to the sanitary sewer. Further treatment may be required if the discharge concentrations exceed those listed in Section A.1. and A.2. MCES reserves the right to impose lower or additional discharge limitations than those listed in Section A.1. and A.2. if the discharge contributes to a treatment plant upset, a violation of the treatment plant's National Pollutant Discharge Elimination (NPDES) permit, or creates a safety concern for treatment plant or collection system workers.

2. The point of discharge to the sanitary sewer shall be the sanitary sewer maintenance hole outside the Pump-Out Control and Treatment Building, which discharges into the sanitary sewer line running parallel to Granada Avenue. This maintenance hole is designated and marked as SP-01.

3. All parameter concentrations shall meet the limits listed in Section A.1. and A.2. with the exception of the following parameters: acetone, methyl ethyl ketone, methyl isobutyl ketone, isopropanol, and tetrahydrofuran. MCES reserves the right to impose controls on these compounds.

4. The wastewater sample taken shall be analyzed for pH, Total Suspended Solids and Chemical Oxygen Demand once per year during the last quarter of each year.

5. 3M shall not exceed a maximum total instantaneous discharge rate of 140 gallons per minute. The total discharge shall include discharge from all wells, granular activated carbon backwashing activities, blowdown from clarifier backwashing, and construction dewatering activities. All discharge except blowdown from clarifier backwashing must pass through the PFC pretreatment system.

6. In the event of significant rainfall, the Permittee shall comply with orders from the City of Oakdale to shut down all or a portion of the pump-out wells for a time period to be specified by the City of Oakdale. All periods of shutdown shall be reported to MCES in the corresponding quarterly Special Discharge Report.

7. The Permittee shall submit monthly discharge volumes in the corresponding quarterly Special Discharge Report.

8. The Permittee shall maintain the PFC pretreatment system as needed to pretreat the effluent from the wells. When the PFC pretreatment system is being regenerated, the Permittee shall follow its procedure to discontinue pumping from wells until the system is back on line.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

F. Specific Permit Conditions (continued)

9. The Permittee may discharge blowdown wastewater generated from backwashing the clarifier. The monthly volume of this discharge is approximately 5,000 gallons. Due to the solids content, the Permittee is not required to pretreat this discharge by passing it through the PFC pretreatment system. However, MCES reserves the right to require future pretreatment of this discharge.

10. During the April – June 2011 reporting period, the Permittee shall collect a sample of the blowdown discharge from a clarifier backwashing event. The sample, termed SP-03 in Section B.1. on Page 3 of this Permit, shall be analyzed for the following parameters.

    - Total Suspended Solids (TSS)
    - Chemical Oxygen Demand (COD)
    - Perfluorobutane Sulfonate (PFBS)
    - Perflurorohexane Sulfonate (PFHxS)
    - Perfluorooctance Sulfonate (PFOS)
    - Perfluorooctanoic acid (PFOA)
    - Perfluorobutanoic acid (PFBA)

    The analytical results from this sampling event shall be submitted with the April – June 2011 Special Discharge Report. Based a review of the analytical results, MCES will determine if future monitoring of this discharge for these parameters will be required.

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

Attachment A – Sampling Requirements

Sample Location: SP-01, Pump-Out Control and Treatment Building, which discharges into the sanitary sewer line running parallel to Granada Avenue.

Analytical Method (1)	Parameter Description	Minimum Sample Collection Frequency (2)
EPA 200.7	Total Metals: Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc	One Grab Sample During Apr – Jun 2011
EPA 410.1	Chemical Oxygen Demand	One Grab Sample During Oct – Dec Each Year
EPA 160.2	Total Suspended Solids	One Grab Sample During Oct – Dec Each Year
EPA 150.1	pH	One Grab Sample During Oct – Dec Each Year
EPA 624 EPA 8260	Purgeables Volatile Organic Compounds - 1,1-Dichloroethane - 1,1-Dichloroethylene - 1,2-Dichloroethane - 1,2-Dichloroethylene - 2-Butyl Alcohol - Acetone - Benzene - Ethyl Benzene - Isopropyl Alcohol - Isopropyl Ether - Methylene Chloride - Methyl Ether Ketone - Methyl Isopropyl Ketone - Tetrahydrofuran - Toluene - Xylenes	One Grab Sample Per Month
ASTM D93	Flashpoint	One Grab Sample Per Month
EPA 537 (3)	PERFLUORINATED COMPOUNDS (PFCs): Perfluorobutane Sulfonate (PFBS) Perflurorohexane Sulfonate (PFHxS) Perfluorooctance Sulfonate (PFOS) Perfluorooctanoic acid (PFOA) Perfluorobutanoic acid (PFBA)	One Grab Sample Per Month

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

Attachment A – Sampling Requirements (continued)

Sample Location: SP-01, Pump-Out Control and Treatment Building, which discharges into the sanitary sewer line running parallel to Granada Avenue.

Analytical Method (1)	Parameter Description	Minimum Sample Collection Frequency (2)
EPA 537 (3)	PERFLUORINATED COMPOUNDS (PFCs): Perfluorodecanoic acid (PFDA) Perfluorododecanoic acid (PFDoA) Perfluoroheptanoic acid (PFHpA) Perfluorohexanoic acid (PFHxA) Perfluorononanoic acid (PFNA) Perfluoropentanoic acid (PFPeA) Perfluoroundecanoic acid (PFUnA) Perfluorooctane sulfonamine (PFOSA)	One Grab Sample Per Quarter

Sample Location: SP-03, Blowdown discharge from monthly backwashing of the clarifier.

Analytical Method (1)	Parameter Description	Minimum Sample Collection Frequency (4)
EPA 410.1	Chemical Oxygen Demand	One Grab Sample During Apr – Jun 2011
EPA 160.2	Total Suspended Solids	One Grab Sample During Apr – Jun 2011
EPA 537 (3)	PERFLUORINATED COMPOUNDS (PFCs): Perfluorobutane Sulfonate (PFBS) Perflurorohexane Sulfonate (PFHxS) Perfluorooctance Sulfonate (PFOS) Perfluorooctanoic acid (PFOA) Perfluorobutanoic acid (PFBA)	One Grab Sample During Apr – Jun 2011

(1) All samples shall be collected, preserved, and analyzed in accordance with the procedures and methods established above and/or in 40 Code of Federal Regulations Part 136 and amendments.

(2) Sampling and/or analysis is not required during reporting periods when there is no discharge to the Metropolitan Disposal System.

(3) Perfluorinated compounds (PFCs) shall be monitored by EPA Method 537 or by any other method that has been certified by the Minnesota Department of Health.

(4) One grab sample is required at SP-03 during the April – June 2011 reporting period. Based on the analytical results, MCES will determine if future monitoring will be required at this location for these parameters.