

Addendum To
Site Investigation Report
Lime Pit Site
1960 67th Place
West Allis, Wisconsin

January 2009

Prepared For
City of West Allis
Community Development Authority

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

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**ADDENDUM TO
SITE INVESTIGATION
LIME PIT SITE**

SECTION 1 GENERAL INFORMATION

1.0 Introduction

The Site Investigation (SI) of the Lime Pit site was reported in March 2006. Section 2.3, Potential Contaminant Sources, of the report identified the former building complex on the site as a primary potential contaminant source area due to historical and then current uses and conditions. The areas around and between individual buildings were investigated and reported in the SI report, however the areas inside the buildings could not be investigated while they were occupied by the former site owner. The SI report recommended investigation of the subsurface beneath the buildings following building demolition. Additionally, the SI report recommended investigation of potential migration of subsurface contamination off-site to the northeast, the downgradient direction of groundwater migration. The SI report review and approval letter issued by the Wisconsin Department of Natural Resources (WDNR) dated April 19, 2006 specified these two (2) additional areas of investigation as required to complete the Site Investigation. TEMCO designed and completed the field and laboratory analyses portions of these investigations in January and February 2007.

1.1 Client Information

Community Development Authority (CDA)
City of West Allis
City Hall
7525 West Greenfield Avenue
West Allis, Wisconsin 53214

Contact: Mr. John F. Stibal, Director, CDA
Phone: 414-302-8462

1.2 Site Description

The WTM91 coordinates of the site are

X = 683378
Y = 283739

The site is located at 1960 South 67th Place, West Allis, Wisconsin and is an 11.61-acre parcel (Figure 1). The site is bounded by the Union Pacific railroad tracks on the north, Becher Place on the east, the West Allis Fire Station #2 on the south, and St. Augustine Catholic Church and School on the west. The site is currently zoned as an M1 Manufacturing District.

The site is surrounded on the west and south by a predominately residential neighborhood. Heavy manufacturing is located across the railroad tracks to the north. The City of West Allis Department of Public Works complex is located east of the site. Additional industrial properties are located northeast of the site.

The site was acquired by the City of West Allis Community Development Authority in 2006. Air Reduction Company (AIRCO Industrial and AIRCO Welding Products) occupied the site between 1932 and 1984. They manufactured carbide gas which produced the byproduct lime slurry. The lime slurry was disposed in pits on the site. The subsequent owner acquired the site in 1985 and over the past 20 years portions of the site have been rented out to various businesses. The property has been used as lime slurry pit, a waste storage and transfer facility, an oil/hazardous waste trucking terminal, and a salvage/junkyard. The property formerly contained five dilapidated metal and brick industrial/storage buildings varying in size between approximately 3600 to 5500 square feet.

1.3 Consulting Firm and Contractor Information

Consulting Firm

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
P.O. Box 856
2088 Washington Avenue
Cedarburg, WI 53012

Contact: Jeffrey L. Hosler
Phone: 262-675-6000
Fax: 262-675-6170
Email: jlhosler@temco-llc.com

Contractors

Moraine Environmental, Inc.
1402 7th Avenue
Grafton, WI 53024-2330

Phone: 262-377-9060
Service: Soil Boring and groundwater monitoring well installation

Synergy Environmental Lab
500 West Franklin Street
Appleton, WI 54911

Phone: 920-830-2455
Service: Laboratory analysis of soil and groundwater samples

SECTION 2 BACKGROUND INFORMATION

Information regarding Site History and Land Use, Potential Contaminant Sources, Previous Environmental Site Investigation, and Regional and Site Geologic and Groundwater Conditions is contained in Section 2 of the Site Investigation report.

SECTION 3 SITE INVESTIGATION ADDENDUM SCOPE OF WORK

3.1 Scope of Work

The scope of work performed by TEMCO to complete the Site Investigation Addendum included the following tasks:

- Installation and logging of twelve (12) additional geoprobe soil borings in the areas beneath the former on-site buildings ranging in depth from 8 to 10 feet below ground surface (bgs).
- Collection and laboratory analysis of a representative soil sample from each of the twelve (12) borings for analysis of the contaminants of concern (VOC and PAH) as identified in the Site Investigation and previous environmental assessments of the site.
- Construction and development of two (2) WAC NR 141 compliant groundwater monitoring wells in the off-site area adjacent to the northeast corner of the site. These monitoring wells are located on the northwest side of West Becher Place, at the base of the steep slope that forms the downgradient wall of the former lime slurry pond area.
- Completion of one (1) round of groundwater monitoring and laboratory analysis of groundwater samples for VOC and PAH.
- Preparation of the Site Investigation Addendum report describing field activities, the laboratory analytical program and results, and interpretation of the field and laboratory data. Laboratory analytical results for the soil and groundwater samples are summarized in the Tables section and laboratory analytical reports are provided as Appendix A. Site figures, including site location, soil boring and monitoring well plan, and soil and groundwater contaminant distribution are included in the Figures section. Soil boring logs, soil boring abandonment forms, monitoring well construction diagrams, and monitoring well development reports are provided as Appendices B through E, respectively. USEPA Soil Screening Guidance data is provided as Appendix F.

3.2 Soil Borings

Prior to soil boring and sampling, on-site and near off-site utilities were located and marked. On January 9, 2007, 12 additional soil borings were drilled at the locations shown in Figure 2 (soil borings SB-26 through SB-37). The borings were drilled by direct push using a truck mounted Geoprobe drill rig. 2.0 inch diameter, 4 and/or 5 feet long hollow steel sampling tubes with plastic liners were driven in 4 and/or 5 feet increments by hydraulic pressure and percussion to total depths ranging from 8 feet to 10 feet bgs. TEMCO used continuous soil sampling to ensure that changes in soil type, evidence of contaminants, and groundwater conditions were observed and recorded.

Soil samples were inspected and classified according to the Unified Soil Classification System. Soil sample descriptions, evidence of contamination, and groundwater conditions are recorded on soil boring logs (WDNR Form 4400-122) prepared for each borehole, and are presented in Appendix B.

Soil borings were abandoned in accordance with WAC NR 141 by filling the borehole with granular bentonite from bottom to top after soil sampling was completed. Soil boring abandonment forms (WDNR Form 3300-5B) are provided in Appendix C.

3.3 Soil Sample Collection and Analyses

Soil samples selected for laboratory analysis were containerized and preserved immediately following sample collection. Sample containers were placed on ice in a cooler and transported along with a chain-of-custody document to a WDNR certified analytical laboratory.

The analytical program was designed considering the results of the Site Investigation and previous assessments, as well as historical uses of the former on-site buildings. Soil samples were analyzed for VOC and PAH.

3.4 Groundwater Monitoring Well Construction and Development

Well Construction: On January 10, 2007, the two (2) off-site downgradient groundwater monitoring wells were constructed. The soil borings were advanced with a truck mounted rotary drilling rig and hollow stem augers. Each monitoring well was constructed of two inch diameter Schedule 40 PVC casing coupled to a 10 feet long section of 0.010" factory slotted PVC well screen positioned to intersect the water table based on observations during borehole drilling. The casing and screen were field assembled from sealed packages to ensure well integrity. The wells were completed in accordance with Wisconsin Administrative Code, Chapter NR 141, "Groundwater Monitoring Well Requirements". The position of the filter pack, filter pack seal, annular space seal and surface seal were confirmed by measuring with weighted measuring tape. Following the complete removal of augers, a flush mounted steel cover and locking well cap was installed over each well top. Monitoring Well Construction Diagrams (DNR Form 4400-113A) were completed for each well and are included as Appendix D.

Well Development: Each well was developed by slowly pumping until nearly sediment-free water was obtained. Well development was completed in accordance with Wisconsin Administrative Code, Chapter NR141. Well Development Forms (DNR Form 4400-113B) were completed for each well and are included as Appendix E.

3.5 Groundwater Sample Collection and Analyses

Well Sampling: Following development, groundwater samples were collected from the two (2) groundwater monitoring wells on February 12, 2007 by gently lowering a dedicated, disposable polyethylene bailer into the well. After the bailer filled with water, the contents were transferred into appropriate containers for laboratory analyses. The VOC samples were preserved with hydrochloric

acid to a pH of <2.0. The containers were sealed to ensure that no head space was present, and were placed in a cooler containing ice for transport to the laboratory. The samples were analyzed for VOC and PAH.

SECTION 4 RESULTS OF SOIL INVESTIGATION

Subsurface soils in the area of the site formerly occupied by the on-site building complex consist primarily of silty clay, with minor amounts of sand and gravel. The upper 2 to 5 feet of soil is silty clay fill mixed with minor amounts of sand and gravel. Depending on boring location, the fill also contains variable amounts of lime slurry, black organic silt, brick and wood fragments, and dolomite chips sourced from previous importing of deep tunnel spoils.

Soil samples collected in each boring from depth intervals varying from 2 to 6 feet bgs were selected for laboratory analysis because soil contamination in the central building complex area would have primarily resulted from surface spills and discharges related to historical site operations. (The approximately upper 2 feet of soil consists primarily of recently placed fill associated with regrading the building complex area following building demolition).

The only VOC contaminant detected in the soil samples collected and analyzed from the borings completed beneath the former on-site buildings was tetrachloroethylene, detected in the soil sample collected from boring SB-32 at an estimated level of 0.049 mg/kg. This sample was collected from 3 to 4 feet beneath the southwest part of former building No. 4B. The source of contamination may have been a printing operation which occupied this building during part of the tenure of the previous site owner. The contaminant level of 0.049 mg/kg is lower than the USEPA soil screening guidance level for all exposure pathways, including protection of groundwater quality. The USEPA soil screening guidance data is included as Appendix F.

Several PAH compounds were detected at very low levels in soil samples collected from four (4) of the borings:

- SB-27 (3-4 feet bgs - former building No. 2)
- SB-28 (3-4 feet bgs - former building No. 2)
- SB-29 (3-4 feet bgs - former building No. 1)
- SB-35 (3-4 feet bgs - former building No. 3)

All of the detections of PAH compounds in these soil samples are well below both the Direct Contact - Industrial and Groundwater Protection RCL's. The Direct Contact - Industrial RCL is the relevant clean-up standard since the property is zoned industrial and the City of West Allis is planning redevelopment of the site for one or more industrial uses.

SECTION 5 RESULTS OF OFF-SITE GROUNDWATER INVESTIGATION

The two (2) off-site groundwater monitoring wells were constructed on the west side of West Becher Place, at the base of the steep slope that forms the downgradient wall of the former on-site lime slurry pond. The wells are near the northeast corner of the site, which is topographically and hydrologically the downgradient limit of the property.

The groundwater levels measured in the monitoring wells on February 12, 2007 were 5.93 feet bgs in MW-15 and 2.76 feet bgs in MW-16, indicating the groundwater gradient in this area is falling even more steeply to the northeast than the ground surface topography. MW-15 and MW-16 are positioned to intercept any off-site groundwater contaminant migration sourced from the Lime Pit site.

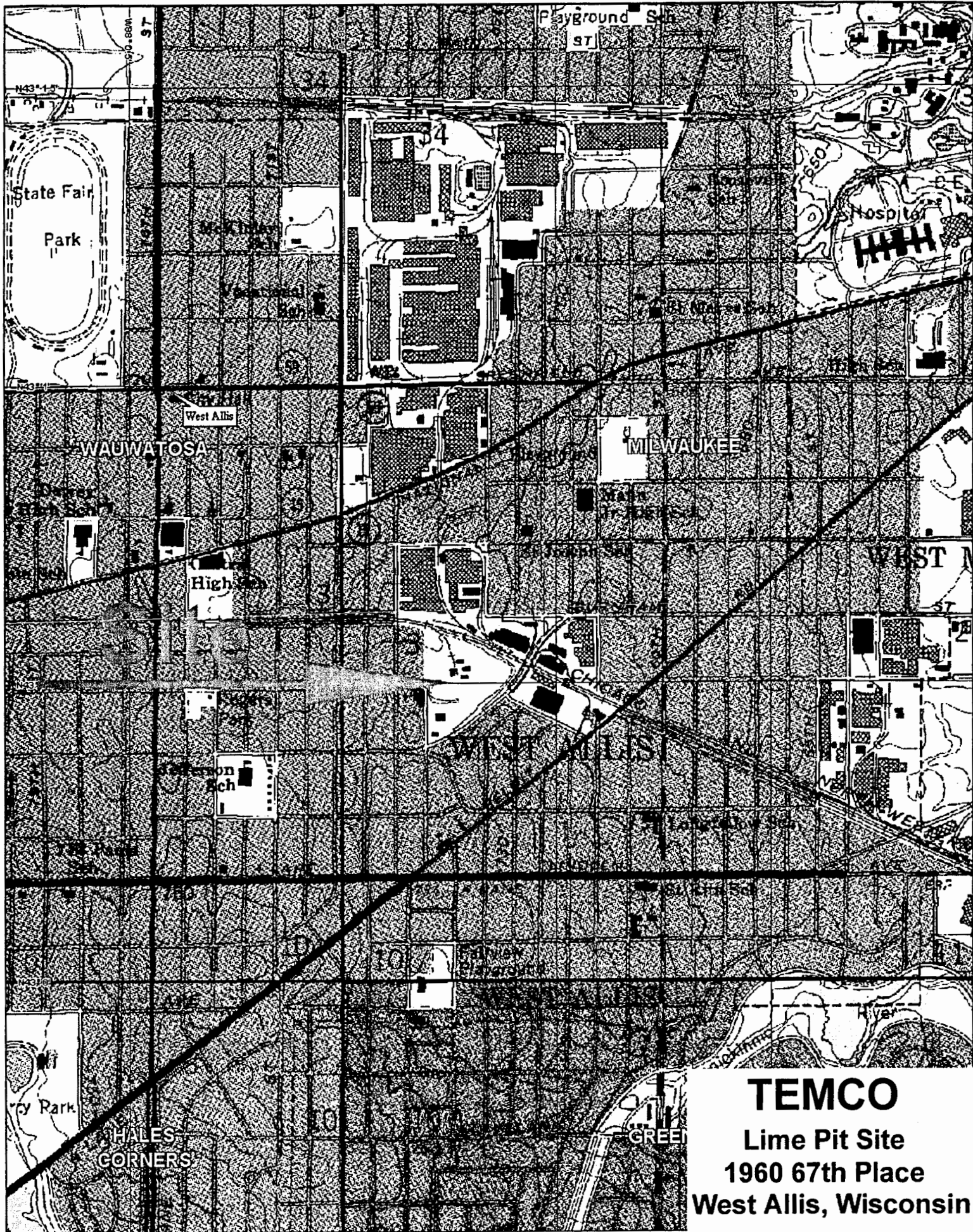
No VOC contaminants were detected in the groundwater samples collected from the two (2) off-site monitoring wells.

One PAH compound, benzo(b) fluoranthene, was detected in the groundwater sample collected from monitoring well MW-15, at an estimated level just equal to the Preventive Action Level (PAL). The several additional detections of PAH compounds in the groundwater samples collected from the 2 off-site monitoring wells were very low, and well below PAL's for regulated compounds.

SECTION 6 CONCLUSIONS

The following conclusions regarding current site conditions, potential contaminant receptors, and implications for site remediation and site redevelopment can be drawn from the results of the additional on-site and off-site investigations:

- With the exception of one (1) low level detection of tetrachloroethylene in shallow soil fill, subsurface conditions beneath the former building complex area are consistent with the stratigraphic and soil contamination conditions identified in the Site Investigation report. The levels of PAH compounds, the primary subsurface contaminants present at the site, were well below relevant RCL's in the soil samples collected beneath the former building complex.
- No evidence of off-site migration of VOC or significant levels of PAH contaminants sourced from the site was found in groundwater samples collected from monitoring wells constructed below the downgradient slope of the former lime slurry pond.
- The findings of the additional investigative activities reported herein do not significantly alter the description of site conditions, potential exposure pathways, or implications for site remediation/redevelopment included in the Site Investigation report.



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 450 ft Scale: 1:16,000 Detail: 13-6 Datum: WGS84

TEMCO
 Lime Pit Site
 1960 67th Place
 West Allis, Wisconsin

Figure 1

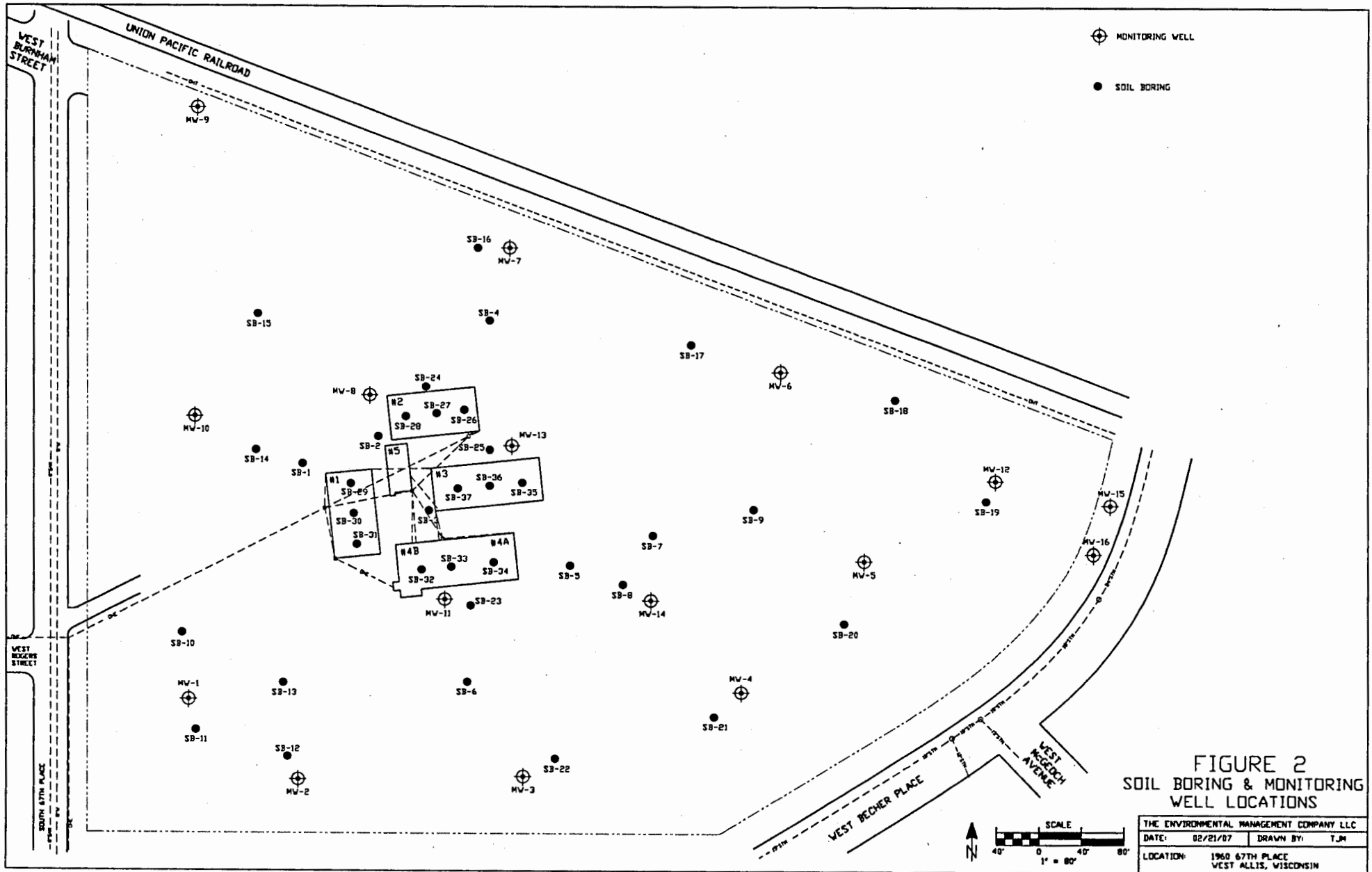
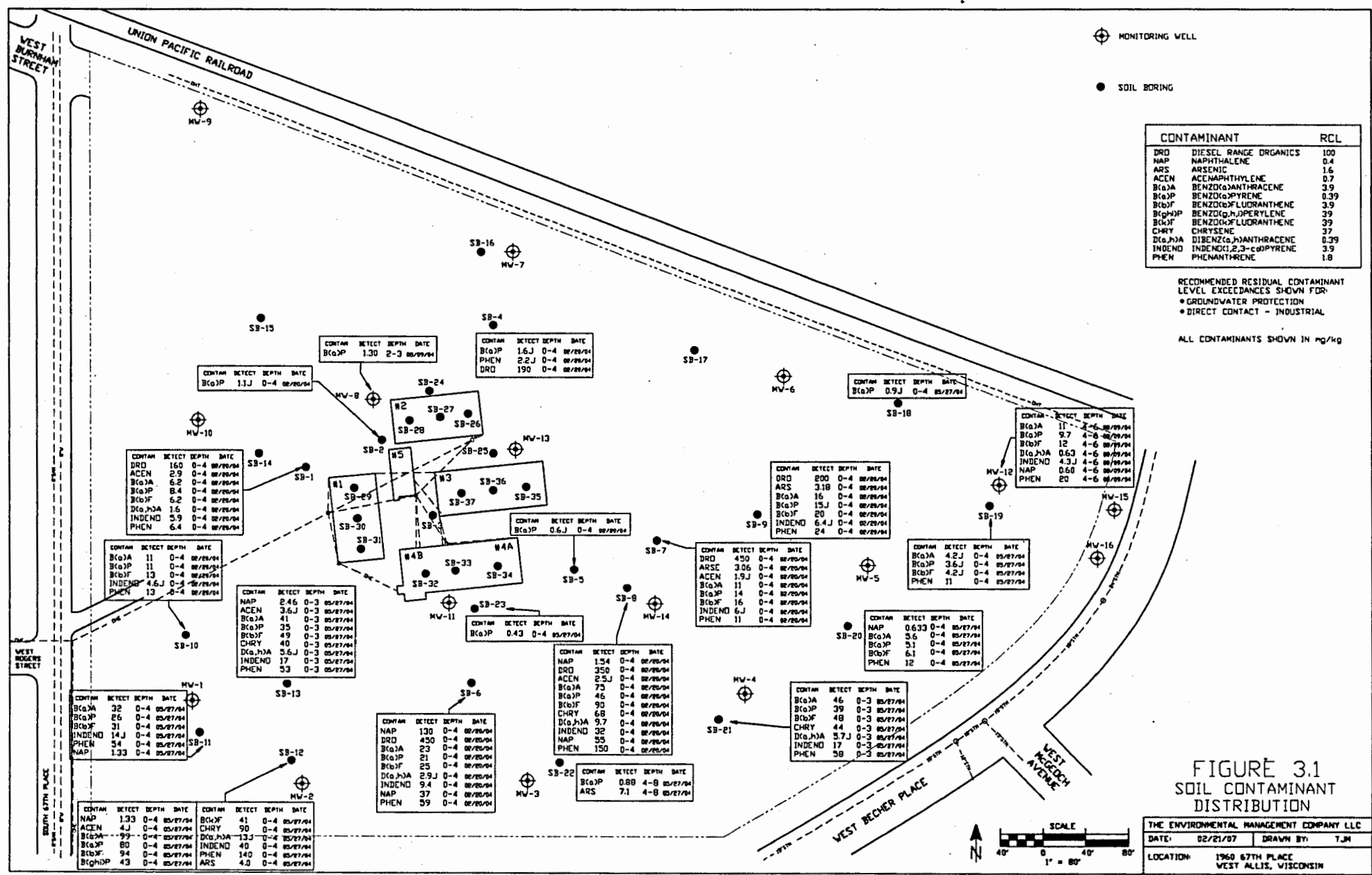


FIGURE 2
SOIL BORING & MONITORING
WELL LOCATIONS

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC	
DATE: 02/21/07	DRAWN BY: TJM
LOCATION: 1960 67TH PLACE WEST ALLIS, WISCONSIN	



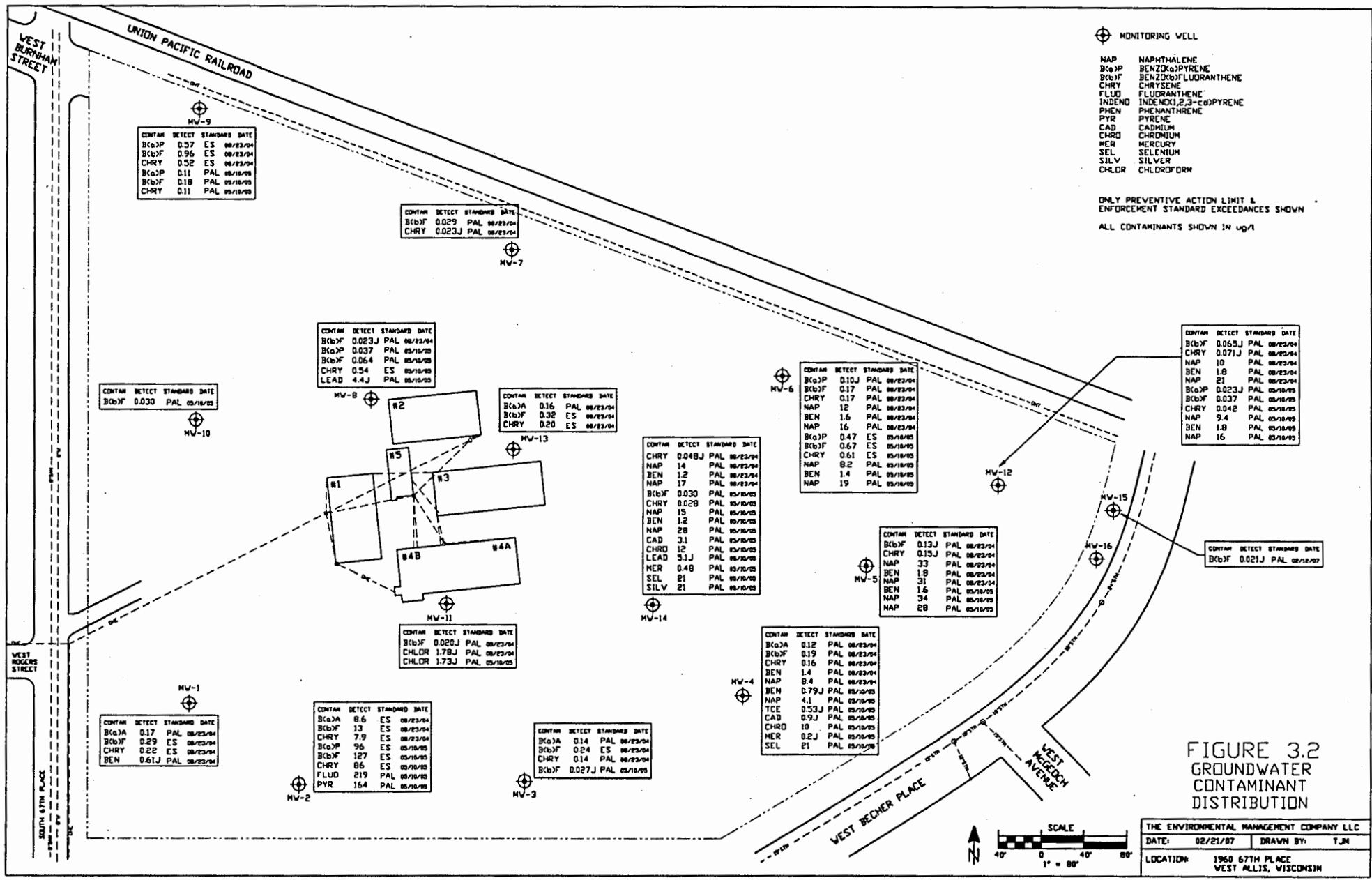
CONTAMINANT	RCL
DRD	100
NAP	0.4
ARS	1.6
ACEN	0.7
B(c)a	3.9
B(c)P	0.39
B(b)F	3.9
B(c)h)P	3.9
B(c)F	3.9
CHRY	37
D(c,h)a	0.39
INDENO	3.9
PHEN	1.8

RECOMMENDED RESIDUAL CONTAMINANT LEVEL EXCEEDANCES SHOWN FOR:
 * GROUNDWATER PROTECTION
 * DIRECT CONTACT - INDUSTRIAL

ALL CONTAMINANTS SHOWN IN mg/kg

FIGURE 3.1
 SOIL CONTAMINANT
 DISTRIBUTION

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
 DATE: 02/21/07 DRAWN BY: TJM
 LOCATION: 1960 67TH PLACE
 WEST ALLIS, WISCONSIN



MONITORING WELL

NAP	NAPHTHALENE
B(c)P	BENZ(a)PYRENE
B(b)F	BENZ(a)FLUORANTHENE
CHRY	CHRYSENE
FLUD	FLUORANTHENE
INDENO	INDENO(1,2,3-c)dPYRENE
PHEN	PHENANTHRENE
PYR	PYRENE
CAD	CADMIUM
CHRD	CHROMIUM
MER	MERCURY
SEL	SELENIUM
SILV	SILVER
CHLDR	CHLOROFORM

ONLY PREVENTIVE ACTION LIMIT & ENFORCEMENT STANDARD EXCEEDANCES SHOWN
ALL CONTAMINANTS SHOWN IN ug/l

MV-9

CONTAM	DETECT	STANDARD	DATE
B(c)P	0.57	ES	08/23/94
B(b)F	0.96	ES	08/23/94
CHRY	0.52	ES	08/23/94
B(c)P	0.11	PAL	05/18/95
B(b)F	0.18	PAL	05/18/95
CHRY	0.11	PAL	05/18/95

MV-7

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.029	PAL	08/23/94
CHRY	0.023J	PAL	08/23/94

MV-8

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.023J	PAL	08/23/94
B(c)P	0.037	PAL	05/18/95
B(b)F	0.064	PAL	05/18/95
CHRY	0.54	ES	05/18/95
LEAD	4.4J	PAL	05/18/95

MV-10

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.030	PAL	05/18/95

MV-13

CONTAM	DETECT	STANDARD	DATE
B(c)A	0.16	PAL	08/23/94
B(b)F	0.32	ES	08/23/94
CHRY	0.20	ES	08/23/94

MV-14

CONTAM	DETECT	STANDARD	DATE
CHRY	0.048J	PAL	08/23/94
NAP	14	PAL	08/23/94
BEN	1.2	PAL	08/23/94
NAP	17	PAL	08/23/94
B(b)F	0.030	PAL	05/18/95
CHRY	0.028	PAL	05/18/95
NAP	15	PAL	05/18/95
BEN	1.2	PAL	05/18/95
NAP	28	PAL	05/18/95
CAD	3.1	PAL	05/18/95
CHRD	12	PAL	05/18/95
LEAD	5.1J	PAL	05/18/95
MER	0.48	PAL	05/18/95
SEL	21	PAL	05/18/95
SILV	21	PAL	05/18/95

MV-6

CONTAM	DETECT	STANDARD	DATE
B(c)P	0.10J	PAL	08/23/94
B(b)F	0.17	PAL	08/23/94
CHRY	0.17	PAL	08/23/94
NAP	12	PAL	08/23/94
BEN	1.6	PAL	08/23/94
NAP	16	PAL	08/23/94
B(c)P	0.47	ES	05/18/95
B(b)F	0.67	ES	05/18/95
CHRY	0.61	ES	05/18/95
NAP	8.2	PAL	05/18/95
BEN	1.4	PAL	05/18/95
NAP	19	PAL	05/18/95

MV-12

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.065J	PAL	08/23/94
CHRY	0.071J	PAL	08/23/94
NAP	10	PAL	08/23/94
BEN	1.8	PAL	08/23/94
NAP	21	PAL	08/23/94
B(c)P	0.023J	PAL	05/18/95
B(b)F	0.037	PAL	05/18/95
CHRY	0.042	PAL	05/18/95
NAP	9.4	PAL	05/18/95
BEN	1.8	PAL	05/18/95
NAP	16	PAL	05/18/95

MV-5

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.13J	PAL	08/23/94
CHRY	0.15J	PAL	08/23/94
NAP	33	PAL	08/23/94
BEN	1.8	PAL	08/23/94
NAP	31	PAL	08/23/94
BEN	1.6	PAL	08/23/94
NAP	34	PAL	05/18/95
NAP	28	PAL	05/18/95

MV-15

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.021J	PAL	08/18/97

MV-11

CONTAM	DETECT	STANDARD	DATE
B(b)F	0.020J	PAL	08/23/94
CHLDR	1.79J	PAL	08/23/94
CHLDR	1.73J	PAL	05/18/95

MV-4

CONTAM	DETECT	STANDARD	DATE
B(c)A	0.12	PAL	08/23/94
B(b)F	0.19	PAL	08/23/94
CHRY	0.16	PAL	08/23/94
BEN	1.4	PAL	08/23/94
NAP	8.4	PAL	08/23/94
BEN	0.79J	PAL	05/18/95
NAP	4.1	PAL	05/18/95
TCE	0.53J	PAL	05/18/95
CAD	0.9J	PAL	05/18/95
CHRD	10	PAL	05/18/95
MER	0.2J	PAL	05/18/95
SEL	21	PAL	05/18/95

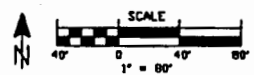
MV-2

CONTAM	DETECT	STANDARD	DATE
B(c)A	8.6	ES	08/23/94
B(b)F	13	ES	08/23/94
CHRY	7.9	ES	05/18/95
B(c)P	96	ES	05/18/95
B(b)F	127	ES	05/18/95
CHRY	86	ES	05/18/95
FLUD	219	PAL	05/18/95
PYR	164	PAL	05/18/95

MV-3

CONTAM	DETECT	STANDARD	DATE
B(c)A	0.14	PAL	08/23/94
B(b)F	0.24	ES	08/23/94
CHRY	0.14	PAL	08/23/94
B(b)F	0.027J	PAL	05/18/95

FIGURE 3.2
GROUNDWATER
CONTAMINANT
DISTRIBUTION



THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
DATE: 02/21/97 DRAWN BY: TJM
LOCATION: 1960 67TH PLACE
WEST ALLIS, WISCONSIN

Table 1.1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Novak Site (Lime Pit) - West Allis, Wisconsin
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	P-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalene	n-Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xy lenes	
SB-1	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-2	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-3	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-4	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.038 [†]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-5	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-6	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	130	<0.025	0.029	<0.025	<0.025	<0.025	0.037	<0.025	<0.025	<0.025	0.032
SB-7	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.157	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-8	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.54	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-9	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.257	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-10	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.069	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-11	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.33	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-12	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.33	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-13	5/27/04	0 - 3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	2.46	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-14	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.025 [†]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-15	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-18	5/27/04	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.107	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-19	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.338	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-20	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.633	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-22	5/27/04	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.32	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
SB-24	5/27/04	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Residual Contaminant Levels			0.0055	-	-	-	0.0049	-	2.9	-	-	-	-	0.4 [†]	-	1.5	-	-	-	-	-	-	4.1	

mg/kg = milligrams per kilogram

† = recommended RCL

Bold & Outlined = exceeds RCL

J = Analyte detected between LOD and LOQ

January 18, 2007

Table 1.1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Novak Site (Lime Pit) - West Allis, Wisconsin
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalene	n-Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xy lenes
SB-26	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-27	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-28	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-29	01/09/07	2 - 3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-30	01/09/07	5 - 6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-31	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-32	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.049 ^J	<0.025	<0.025	<0.025	<0.025	<0.025
SB-33	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-34	01/09/07	5 - 6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-35	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-36	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-37	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Residual Contaminant Levels			0.0055	-	-	-	0.0049	-	2.9	-	-	-	-	0.4†	-	1.5	-	-	-	-	-	-	4.1

mg/kg = milligrams per kilogram

† = recommended RCL

Bold & Outlined = exceeds RCL

J = Analyte detected between LOD and LOQ

January 18, 2007

Table 1.2
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results
Diesel Range Organics (DRO) & Gasoline Range Organics (GRO)
Novak Property (Lime Pit)
West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)	GRO (mg/kg)
SB-1	02/20/04	0 - 4	160	<10
SB-2	02/20/04	0 - 4	58	<10
SB-3	02/20/04	0 - 4	14	<10
SB-4	02/20/04	0 - 4	190	<10
SB-5	02/20/04	0 - 4	28	<10
SB-6	02/20/04	0 - 4	450	11
SB-7	02/20/04	0 - 4	450	<10
SB-8	02/20/04	0 - 4	350	<10
SB-9	02/20/04	0 - 4	200	<10
SB-10	02/20/04	0 - 4	84	<10
Residual Contaminant Level (RCL)			100	100

bgs = below ground surface

outlined = exceeds RCL

March 22, 2004

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,b)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-1	02/20/04	0 - 4	<0.056	2.9	3	6.2	8.4	6.2	6.6	2.7	6.9	1.6	12	0.83'	5.9	<0.094	<0.044	<0.078	6.4	11
SB-2	02/20/04	0 - 4	<0.28	<0.32	0.77'	1'	1.1'	1.5	0.46'	<0.45	0.89'	<0.47	2.4	<0.32	<0.56	<0.47	<0.22	<0.39	1.7	2.1
SB-3	02/20/04	0 - 4	<0.028	<0.032	<0.046	0.04'	0.045'	0.09'	<0.032	<0.045	<0.046	<0.047	0.084'	<0.032	<0.056	<0.047	<0.022	<0.039	0.041'	0.079'
SB-4	02/20/04	0 - 4	<0.56	<0.64	1.04'	1.6'	1.6'	2.3'	<0.64	<0.9	1.6'	<0.94	3.8	<0.64	<1.12	<0.94	<0.44	<0.78	2.2'	3.4
SB-5	02/20/04	0 - 4	<0.14	<0.16	<0.23	0.53'	0.6'	1	0.22'	0.25'	0.64'	<0.235	1.1	<0.16	<0.28	<0.235	<0.11	<0.195	0.43'	0.98
SB-6	02/20/04	0 - 4	15	<1.6	29	23	21	25	9.2	9.8	23	2.9'	50	19	9.4	4.8'	9.5	37	59	45
SB-7	02/20/04	0 - 4	<1.4	1.9'	5.1'	11	14	16	6.2	7.8	12	<2.35	22	1.6'	6'	<2.35	<1.1	<1.95	11	19
SB-8	02/20/04	0 - 4	20	2.5'	49	75	46	90	30	30	68	9.7	180	25	32	2.7'	2.9'	5'	150	170
SB-9	02/20/04	0 - 4	3.1'	<1.6	11	16	15'	20	5.7	5.2'	16	<2.35	33	4.4'	6.4'	<2.35	<1.1	<1.95	24	29
SB-10	02/20/04	0 - 4	<1.4	<1.6	6.2'	11	11	13	3.9'	4.2'	11	<2.35	21	1.9'	4.6'	<2.35	<1.1	<1.95	13	18
SB-11	05/27/04	0 - 4	7.4'	<3.2	17	32	26	31	15	14	30	<4.7	76	8.7'	14'	<4.7	<2.2	<3.9	54	69
SB-12	05/27/04	0 - 4	18	4'	66	99	80	94	43	41	90	13'	180	29	40	<4.7	<2.2	<3.9	140	170
SB-13	05/27/04	0 - 3	6.9	3.6'	23	41	35	49	17	19	40	5.6'	69	8.1	17	<2.35	<1.1	<1.95	53	71
SB-14	05/27/04	0 - 4	<0.028	0.035'	<0.046	0.092'	0.11'	0.17	<0.032	0.064'	0.11'	<0.047	0.2	<0.032	<0.056	<0.047	<0.022	<0.039	0.13	0.2
SB-15	05/27/04	0 - 4	<0.028	0.056'	<0.046	0.14	0.16	0.25	0.084'	0.091'	0.18	<0.047	0.32	<0.032	0.081'	<0.047	<0.022	<0.039	0.14	0.34
SB-16	05/27/04	0 - 4	<0.028	<0.032	0.053'	0.11	0.095'	0.14	0.033'	<0.045	0.11'	<0.047	0.24	<0.032	<0.056	<0.047	<0.022	<0.039	0.15	0.26
SB-17	05/27/04	0 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	0.047'	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	0.050'
SB-18	05/27/04	0 - 4	<0.28	<0.32	<0.46	0.91'	0.9'	1.2'	0.32'	0.47'	0.88'	<0.47	1.9	<0.32	<0.56	<0.47	<0.22	<0.39	1.2	2.0
SB-18	05/27/04	4 - 8	<0.028	0.069'	<0.046	0.15	0.26	0.33	0.11	0.1'	0.16	<0.047	0.2	<0.032	0.11'	<0.047	<0.022	<0.039	0.1'	0.26
Recommended Residual Contaminant Level		GW DC-I	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

January 18, 2007

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-19	05/27/04	0 - 4	<1.4	<1.6	3'	4.2'	3.6'	4.2'	1.6'	<2.25	4.5'	<2.35	11	<1.6	<2.8	<2.35	<1.1	<1.95	11	11
SB-20	05/27/04	0 - 4	1.3'	<0.64	3.8	5.6	5.1	6.1	2.3	2.5'	5.3	<0.94	12	1.7'	2.4'	<0.94	<0.44	<0.78	12	12
SB-21	05/27/04	0 - 3	7.4'	<3.2	23	46	39	48	17	20	44	5.7'	90	7.8'	17	<4.7	<2.2	<3.9	58	91
SB-22	05/27/04	4 - 8	0.2	0.055'	0.57	0.98	0.88	1.2	0.26	0.41	0.92	0.09'	1.6	0.25	0.28	<0.047	0.031'	0.04'	1.3	1.7
SB-23	05/27/04	0 - 4	<0.028	<0.032	0.11'	0.42	0.43	0.65	0.14	0.21	0.46	0.057'	0.83	<0.032	0.16'	<0.047	<0.022	<0.039	0.39	0.99
SB-24	05/27/04	3 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	<0.039
SB-25	05/27/04	0 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	<0.039
SB-26	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-27	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	0.0081'	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-28	01/09/07	3 - 4	<0.017	<0.019	0.013'	0.029'	0.023'	0.038	0.021'	0.017'	0.035'	<0.011	0.074	<0.0095	0.014'	<0.011	<0.012	<0.017	0.033	0.055
SB-29	01/09/07	2 - 3	<0.017	<0.019	0.036	0.038	0.026'	0.040	0.023'	<0.014	0.045'	<0.011	0.068	0.011'	0.013'	0.059	0.043	<0.017	0.260	0.068
SB-30	01/09/07	5 - 6	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-31	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-32	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-33	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-34	01/09/07	5 - 6	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-35	01/09/07	3 - 4	<0.017	<0.019	<0.011	0.013'	<0.0081	0.0098'	<0.0085	<0.014	<0.020	<0.011	0.021'	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.014'	0.018'
SB-36	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-37	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
Recommended Residual Contaminant Level	GW DC-1	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000	

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-1 = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet hgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1	08/02/04	18 - 20	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	0.022'	<0.058
MW-2	08/02/04	12 - 14	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-3	08/02/04	9 - 11	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-4	08/03/04	12 - 14	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-5	08/03/04	13.5 - 14	0.097'	<0.042	0.2	0.34	0.32	0.41	0.11'	0.12'	0.33	<0.076	0.83	0.14	0.13'	0.048'	<0.072	0.31	0.75	0.74
MW-6	08/03/04	15 - 17	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-7	08/03/04	3 - 5	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-8	08/09/04	2-3	0.110'	0.310	0.410	1.20	1.30	1.80	0.30	0.95	1.50	0.12'	3.40	0.17	0.310	0.041'	<0.072	0.078'	1.40	3.0
MW-8	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-9	08/09/04	8.5-9	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-10	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-11	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-12	08/09/04	4-6	1.4	0.24	5.7'	11.0	9.7	12.0	4.6'	4.1'	11.0	0.63	28.0	2.3'	4.3'	0.210	0.240	0.60	20.0	24.0
MW-13	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	0.021'	<0.058
MW-14	08/09/04	4-6	0.370	<0.042	0.170	0.380	0.380	0.380	<0.082	0.270	0.430	<0.076	0.800	0.240	0.074'	0.110'	0.220'	0.180	0.680	0.930
Recommended Residual Contaminant Level		GW DC-1	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

January 18, 2007

Table 1.4
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: Metals
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-6	02/20/04	0 - 4	<3	69	<0.6	19.6	62.4	0.080	<3	<3
SB-7	02/20/04	0 - 4	3.06	42.6	<0.6	8.99	32.1	0.137	<3	<3
SB-8	02/20/04	0 - 4	<3	34.3	<0.6	9.95	41.3	0.1957	<3	<3
SB-9	02/20/04	0 - 4	3.18	54.2	<0.6	16.8	65.4	0.047	<3	<3
SB-12	05/27/04	0 - 4	4.0	42	0.67	10.0	19	0.031	<0.5	<0.25
SB-18	05/27/04	4 - 8	1.1	1.1	<0.25	2.6	<0.25	<0.02	0.84	<0.25
SB-22	05/27/04	4 - 8	7.1	36	0.95	8.2	26	0.055	<0.5	<0.25
Residual Contaminant Levels		Industrial	1.6	---	510	---	500	---	---	---

Outlined = Exceeds Residual Contaminant Level

March 7, 2006

Table 1.5
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: PolyChlorinated Biphenyls (PCB)
All Contaminants Shown in mg/kg

Sample ID	Sample Date	Depth (feet bgs)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SB-6	02/20/04	0 - 4	<0.0158	<0.0316	<0.0548	<0.0122	<0.0377	<0.0548	<0.0852
SB-7	02/20/04	0 - 4	<0.0507	<0.0788	<0.101	<0.0349	<0.0113	<0.0293	<0.0146
SB-8	02/20/04	0 - 4	<0.0023	<0.00299	<0.0322	<0.00597	<0.0207	<0.0103	<0.00712
SB-9	02/20/04	0 - 4	<0.0024	<0.054	<0.00744	<0.0108	<0.00624	<0.00312	<0.084
MW-8	08/09/04	2-3	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061
MW-14	08/09/04	4-6	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	<0.1

mg/kg = milligrams per kilogram

March 7, 2006

Table 1.3
Groundwater Sample Analytical Results - Volume 1 (From the Environmental Assessment)
Navok Property (Lime Pit) - West Side, Wisconsin
 Contaminants shown in µg/l (micrograms per liter)

Sample ID	Sample Date	Benzene	Ethyl benzene	Toluene	Xylenes	1,2,4 TMB	1,3,5 TMB	MTBE	n-Butyl benzene	sec-Butyl benzene	tert-Butyl Benzene	1,1 DCA	cis-1,2 DCE	Isopropyl benzene	P-Isopropyl toluene	Naphthalene	n-Propyl benzene	1,1,1 TCA	TCE	Chloroform
MW-1	8/23/04	0.61^J	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	3.2	<0.32	<0.16	<0.27	<0.25
	05/10/05	0.47 ^J	<0.3	<0.52	<0.79	<1.1	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	2.52 ^J	<0.56	<0.42	<0.37	<0.78
MW-2	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<1.1	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-3	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-4	8/23/04	1.4	<0.56	1.25 ^J	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	0.32 ^J	<0.19	<0.3	8.4	<0.32	<0.16	0.37 ^J	<0.25
	05/10/05	0.79^J	<0.56	1.16 ^J	0.51 ^J	0.39 ^J	<0.83	<0.2	<0.39	<0.21	<0.31	<0.3	0.39 ^J	<0.56	<0.5	4.1	<0.56	<0.42	0.53^J	<0.78
MW-5	8/23/04	1.8	<0.56	1.26 ^J	0.66 ^J	0.61 ^J	<0.66	0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	0.52 ^J	31	<0.32	<0.16	0.42 ^J	<0.25
	05/10/05	1.6	0.31 ^J	1.24 ^J	0.77 ^J	0.65 ^J	<0.83	<0.2	<0.39	<0.21	<0.31	<0.3	<0.27	<0.56	<0.5	34	<0.56	<0.42	<0.37	<0.78
MW-6	8/23/04	1.6	1.03 ^J	1.9	6.7	0.71 ^J	<0.66	0.29 ^J	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	16	<0.32	<0.16	<0.27	<0.25
	05/10/05	1.4	0.97	1.6	6.2	0.73 ^J	<0.83	<0.2	<0.39	<0.21	<0.31	<0.3	<0.27	<0.56	<0.5	19	<0.56	<0.42	<0.37	<0.78
MW-7	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-8	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	0.46 ^J	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	0.4 ^J	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-9	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-10	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
Preventive Action Limit (PAL)		0.5	140	200	1000	96		12	---	---	---	85	7	---	---	8	---	40	0.5	0.6
Enforcement Standard (ES)		5	700	1000	10000	480		60	---	---	---	850	70	---	---	40	---	200	5	6

Outlined & Bold = PAL exceedance

Bold, *Italics* & Outlined = ES exceedance

J = Analyte detected between LOD and LOQ

February 20, 2007

Table 2.1
Groundwater Sample Analytical Results ~ Volatile Organic Compounds (VOC)
Novak Property (Lime Pit) ~ West Allis, Wisconsin
 Contaminants shown in µg/l (micrograms per liter)

Sample ID	Sample Date	Benzene	Ethyl benzene	Toluene	Xylenes	1,2,4 TMB	1,3,5 TMB	MTBE	n-Butyl benzene	sec-Butyl benzene	tert-Butyl Benzene	1,1 DCA	cis-1,2 DCE	Isopropyl benzene	P- Isopropyl toluene	Naphthalene	n-Propyl benzene	1,1,1 TCA	TCE	Chloroform
MW-11	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	<0.6	<0.32	<0.16	<0.27	1.78^J
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	<0.78
MW-11 duplicate	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	<0.42	<0.37	1.73^J
MW-12	8/23/04	1.8	<0.56	0.59 ^J	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	21	<0.32	<0.16	0.32 ^J	<0.25
	05/10/05	1.8	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	16	<0.56	<0.42	<0.37	<0.78
MW-13	8/23/04	<0.29	<0.56	<0.57	<0.64	<0.51	<0.66	<0.2	<0.39	<0.21	<0.31	<0.3	<0.29	<0.19	<0.3	0.62 ^J	<0.32	3.3	<0.27	<0.25
	05/10/05	<0.26	<0.3	<0.52	<0.79	<0.32	<0.83	<0.36	<0.61	<0.25	<0.34	<0.91	<0.27	<0.56	<0.5	<0.85	<0.56	6.2	<0.37	<0.78
MW-14	8/23/04	1.2	3.2	5.3	12.3	7.8	2.05 ^J	<0.2	0.49 ^J	0.53 ^J	<0.31	<0.3	<0.29	1	0.44 ^J	17	1.4	<0.16	<0.27	<0.25
	05/10/05	1.2	5.6	6	19.4	13	3	<0.36	0.72 ^J	0.91	<0.34	<0.91	<0.27	1.9	0.79 ^J	28	2.4	<0.42	<0.37	<0.78
MW-15	02/12/07	<0.47	<0.38	<0.46	<0.67	<4.2	<0.37	<0.52	<0.52	<0.36	<0.34	<0.56	<0.68	<0.48	<0.35	<1.8	<0.38	<0.5	<0.44	<0.48
MW-16	02/12/07	<0.47	<0.38	<0.46	<0.67	<4.2	<0.37	<0.52	<0.52	<0.36	<0.34	<0.56	<0.68	<0.48	<0.35	<1.8	<0.38	<0.5	<0.44	<0.48
Preventive Action Limit (PAL)		0.5	140	200	1000	96		12	---	---	---	85	7	---	---	8	---	40	0.5	0.6
Enforcement Standard (ES)		5	700	1000	10000	480		60	---	---	---	850	70	---	---	40	---	200	5	6

Note: MW-11: Chloroform 1.78^J

Outlined & Bold = PAL exceedance

Bold, *Italics* & Outlined = ES exceedance

J = Analyte detected between LOD and LOQ

February 20, 2007

Table 2.2
Groundwater Sample Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)
Novak Property (Lime Pit)
West Allis, Wisconsin
 Contaminants shown in µg/l (Micrograms per liter)

Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1	8/23/04	0.35	0.059	0.15	0.17	0.17	0.29	0.21	0.12	0.22	<0.037	0.55	0.29	<0.021	0.44	0.46	2.1	0.84	0.42
	5/10/05	0.075	<0.012	0.023 ^J	<0.012	<0.008	<0.009	<0.01	<0.009	<0.011	<0.009	0.022 ^J	0.064	<0.015	0.041 ^J	0.048 ^J	0.24	0.11	0.04 ^J
MW-2	8/23/04	0.60 ^J	0.50 ^J	1.7	6.4	8.6	13	6.8	3.7	7.9	<0.37	16	0.40 ^J	5.6	<0.26	<0.3	<0.26	3.2	13
	5/10/05	9.7	4.4	18	80	96	127	50	46	86	9.2	219	5.8	56	<1.8	<2.1	<2.8	40	164
MW-3	8/23/04	<0.032	0.023 ^J	0.033 ^J	0.10	0.14	0.24	0.34	0.068 ^J	0.14	<0.037	0.28	0.019 ^J	<0.021	0.027 ^J	0.059 ^J	0.063 ^J	0.13 ^J	0.34
	5/10/05	<0.016	<0.012	<0.013	0.023 ^J	0.017 ^J	0.027^J	0.023 ^J	0.026 ^J	0.017 ^J	<0.009	0.035	<0.015	<0.015	<0.018	<0.021	<0.028	0.013 ^J	0.027 ^J
MW-4	8/23/04	1.3	0.11	0.45	0.14	0.12	0.19	0.12	0.064 ^J	0.16	<0.037	0.65	1.0	<0.021	0.76	0.90	5.0	2.2	0.53
	5/10/05	0.52	0.036 ^J	0.15	0.023 ^J	<0.008	0.013 ^J	<0.01	<0.009	0.015 ^J	<0.009	0.18	0.36	<0.015	0.31	0.32	2.0	0.67	0.11
MW-5	8/23/04	2.2	0.40 ^J	0.53 ^J	<0.31	<0.08	0.13^J	<0.16	<0.24	0.15^J	<0.37	0.68 ^J	2.1	<0.21	2.2	3.2	33	3.0	0.49 ^J
	5/10/05	1.7	0.28	0.43	0.027 ^J	<0.008	0.013 ^J	<0.01	<0.009	0.017 ^J	<0.009	0.34	1.7	<0.015	2.1	2.1	28	2.2	0.20
MW-6	8/23/04	2.7	0.23 ^J	1.1	0.17 ^J	0.10^J	0.17	<0.08	<0.12	0.17	<0.185	0.93	2.5	<0.105	2.0	1.7	12	3.9	0.54
	5/10/05	2.0	0.18	0.88	0.58	0.47	0.67	0.26	0.25	0.61	0.053	2.1	2.0	0.28	0.98	1.0	8.2	3.3	1.4
MW-7	8/23/04	<0.032	<0.015	<0.023	<0.031	0.016 ^J	0.029	0.041 ^J	<0.024	0.023^J	<0.037	0.046 ^J	<0.015	<0.021	0.070 ^J	<0.03	0.029 ^J	<0.045	0.074
	5/10/05	<0.016	<0.012	<0.013	0.018 ^J	0.010 ^J	0.016 ^J	<0.01	<0.009	0.013 ^J	<0.009	0.029 ^J	<0.015	<0.015	<0.018	<0.021	<0.028	0.017 ^J	0.023 ^J
PAL		---	---	600	---	0.02	0.02	---	---	0.02	---	80	80	---	---	---	8	---	50
ES		---	---	3,000	---	0.2	0.2	---	---	0.2	---	400	400	---	---	---	40	---	250

Outlined = Concentration above PAL only

Italics & Outlined = Concentration above ES

--- = Not Established

J = Analyte detected between LOD and LOQ

February 20, 2007

Table 2.2
Groundwater Sample Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)
Novak Property (Lime Pit)
West Allis, Wisconsin
 Contaminants shown in µg/l (Micrograms per liter)

Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-8	8/23/04	<0.032	<0.015	<0.023	<0.031	0.011 ⁱ	0.023^a	<0.016	<0.024	0.014 ⁱ	<0.037	<0.024	<0.015	<0.021	<0.026	<0.03	<0.026	<0.045	<0.023
	5/10/05	<0.016	0.014 ⁱ	0.014 ⁱ	0.041	0.037	0.064	0.045	0.023 ⁱ	0.54	<0.009	0.11	<0.015	0.025 ⁱ	<0.018	<0.021	0.030 ⁱ	0.038	0.10
MW-9	8/23/04	<0.032	0.085	0.088	0.38	0.57	0.96	0.88	0.32	0.52	<0.037	0.83	0.027 ⁱ	0.56	<0.026	0.037 ⁱ	0.035 ⁱ	0.26	0.83
	5/10/05	<0.016	0.019 ⁱ	0.029 ⁱ	0.091	0.11	0.18	0.11	0.072	0.11	0.013 ⁱ	0.19	<0.015	0.083	<0.018	<0.021	<0.028	0.055	0.16
MW-10	8/23/04	<0.032	<0.015	<0.023	<0.031	<0.008	0.010 ⁱ	0.039 ⁱ	<0.024	0.008 ⁱ	<0.037	0.094	<0.015	<0.021	<0.026	<0.03	<0.026	<0.045	0.14
	5/10/05	<0.016	<0.012	<0.013	0.023 ⁱ	0.017 ⁱ	0.030	0.041	0.010 ⁱ	0.018 ⁱ	<0.009	0.038	<0.015	<0.015	<0.018	<0.021	<0.028	<0.011	0.034
MW-11	8/23/04	<0.032	<0.015	<0.023	<0.031	0.011 ⁱ	0.020^a	<0.016	<0.024	0.016 ⁱ	<0.037	0.12	<0.015	<0.021	<0.026	<0.03	<0.026	<0.045	0.20
	5/10/05	<0.016	<0.012	<0.013	0.014 ⁱ	0.009 ⁱ	0.016 ⁱ	0.059	<0.009	<0.011	<0.009	0.026 ⁱ	<0.015	<0.015	<0.018	<0.021	<0.028	<0.011	0.038
MW-12	8/23/04	1.6	0.31	0.39	<0.16	<0.04	0.065^a	<0.08	<0.12	0.071^a	<0.19	0.66	1.6	<0.11	1.1	1.4	10	2.4	0.54
	5/10/05	2.3	0.32	0.42	0.037	0.023^a	0.037	0.045	0.016 ⁱ	0.042	<0.009	0.50	2.2	0.016 ⁱ	1.5	1.5	9.4	2.7	0.30
MW-13	8/23/04	<0.032	0.017 ⁱ	0.029 ⁱ	0.14	0.16	0.32	0.28	0.11	0.20	<0.037	0.50	0.022 ⁱ	<0.021	<0.026	<0.03	0.059 ⁱ	0.13 ⁱ	0.67
	5/10/05	<0.016	<0.012	<0.013	0.015 ⁱ	0.012 ⁱ	0.018 ⁱ	0.052	0.010 ⁱ	<0.011	<0.009	0.019 ⁱ	<0.015	<0.015	<0.018	<0.021	<0.028	<0.011	0.017 ⁱ
MW-14	8/23/04	1.7	0.088 ⁱ	0.51	<0.16	<0.04	<0.045	<0.08	<0.12	0.048^a	<0.19	0.47	1.2	<0.105	4.0	6.2	14	2.0	0.30 ⁱ
	5/10/05	1.6	0.075	0.41	0.028 ⁱ	0.016 ⁱ	0.030	0.042	0.012 ⁱ	0.028^a	<0.009	0.31	1.0	<0.015	4.2	7.4	15	1.3	0.017
PAL		---	---	600	---	0.02	0.02	---	---	0.02	---	80	80	---	---	---	8	---	50
ES		---	---	3,000	---	0.2	0.2	---	---	0.2	---	400	400	---	---	---	40	---	250

Outlined = Concentration above PAL only

Italics & Outlined = Concentration above ES

--- = Not Established

J = Analyte detected between LOD and LOQ

February 20, 2007

Table 2.2
Groundwater Sample Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)
Novak Property (Lime Pit)
West Allis, Wisconsin
 Contaminants shown in µg/l (Micrograms per liter)

Sample ID	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-15	02/12/07	<0.015	<0.016	<0.013	0.020 ^J	<0.015	0.021^J	<0.015	<0.023	<0.016	<0.015	0.029 ^J	<0.019	<0.014	<0.018	0.031 ^J	0.029 ^J	0.018 ^J	0.028 ^J
MW-16	02/12/07	<0.015	<0.016	<0.013	<0.015	<0.015	<0.014	<0.015	<0.023	<0.016	<0.015	<0.015	<0.019	<0.014	0.020 ^J	0.030 ^J	0.027 ^J	<0.017	<0.015
PAL		---	---	600	---	0.02	0.02	---	---	0.02	---	80	80	---	---	---	8	---	50
ES		---	---	3,000	---	0.2	0.2	---	---	0.2	---	400	400	---	---	---	40	---	250

Outlined = Concentration above PAL only Italics & Outlined = Concentration above ES --- = Not Established J = Analyte detected between LOD and LOQ February 20, 2007

APPENDIX A

LABORATORY ANALYTICAL RESULTS

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

JEFF HOSLER
 TEMCO
 P.O. Box 856
 Cedarburg, WI 53012

Report Date 20-Jan-09

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765A
 Sample ID SB-26-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	< 7.5	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	< 20	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	< 7.4	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	< 8.9	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	< 11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

Invoice # E14765

Lab Code 5014765A
Sample ID SB-26-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT

Invoice # E14765

Project #

Lab Code 5014765A
 Sample ID SB-26-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
o-Xylene	<25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765B
 Sample ID SB-27-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	86.3	%			1	5021		1/12/2007	DJB	1
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Organic

PAH SIM

Acenaphthene	<17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	<19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	<11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	<12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	<8.1	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	<7.5	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	<8.5	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	<14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	<20	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	<11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	8.1 "J"	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	<9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	<11	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	<12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Naphthalene	<17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	<8.9	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	<11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1

VOC's

Benzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	<25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	<25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	<25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	<25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	<25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	<25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	<25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	<25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	<25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	<25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

Invoice # E14765

Lab Code 5014765B
Sample ID SB-27-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765C
Sample ID SB-28-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.4	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1

Project Name COWA/LIME PIT

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Project #

Lab Code 5014765C

Sample ID SB-28-3-4

Sample Matrix Soil

Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	13 "J"	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	29 "J"	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	23 "J"	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	38	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	21 "J"	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	17 "J"	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	35 "J"	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	74	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	14 "J"	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	33	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	55	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
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Lab Code 5014765C
Sample ID SB-28-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765D
Sample ID SB-29-2-3
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.6	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	36	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	38	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	26 "J"	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	40	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	23 "J"	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	45 "J"	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	68	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	11 "J"	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	13 "J"	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	59	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	43	ug/kg	12	37	1	M8270		1/11/2007	MJR	1

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Lab Code 5014765D
Sample ID SB-29-2-3
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	260	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	68	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT

Invoice # E14765

Project #

Lab Code 5014765D
 Sample ID SB-29-2-3
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	<25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	<25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	<50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	<25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765E
 Sample ID SB-30-5-6
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.3	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	<17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	<19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	<11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	<12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	<8.1	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	<7.5	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	<8.5	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	<14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	<20	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	<11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	<7.4	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	<9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	<11	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	<12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Naphthalene	<17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	<8.9	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	<11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
VOC's										
Benzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	<25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	<25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	<25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	<25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	<25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765E
 Sample ID SB-30-5-6
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765F
 Sample ID SB-31-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.0	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	< 7.5	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1
Chrysene	< 20	ug/kg	20	63	1	M8270		1/11/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/11/2007	MJR	1
Fluoranthene	< 7.4	ug/kg	7.4	24	1	M8270		1/11/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30	1	M8270		1/11/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/11/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/11/2007	MJR	1
Phenanthrene	< 8.9	ug/kg	8.9	28	1	M8270		1/11/2007	MJR	1
Pyrene	< 11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

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Lab Code 5014765F
Sample ID SB-31-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765G
Sample ID SB-32-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.3	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/11/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/11/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/11/2007	MJR	1
Benzo(a)anthracene	< 12	ug/kg	12	37	1	M8270		1/11/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/11/2007	MJR	1
Benzo(b)fluoranthene	< 7.5	ug/kg	7.5	24	1	M8270		1/11/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/11/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/11/2007	MJR	1

Project Name COWA/LIME PIT
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Sample ID SB-32-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chrysene	<20	ug/kg	20	63	1	M8270	1/11/2007	1/11/2007	MJR	1
Dibenzo(a,h)anthracene	<11	ug/kg	11	33	1	M8270	1/11/2007	1/11/2007	MJR	1
Fluoranthene	<7.4	ug/kg	7.4	24	1	M8270	1/11/2007	1/11/2007	MJR	1
Fluorene	<9.5	ug/kg	9.5	30	1	M8270	1/11/2007	1/11/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<9.5	ug/kg	9.5	30	1	M8270	1/11/2007	1/11/2007	MJR	1
1-Methyl naphthalene	<11	ug/kg	11	36	1	M8270	1/11/2007	1/11/2007	MJR	1
2-Methyl naphthalene	<12	ug/kg	12	37	1	M8270	1/11/2007	1/11/2007	MJR	1
Naphthalene	<17	ug/kg	17	53	1	M8270	1/11/2007	1/11/2007	MJR	1
Phenanthrene	<8.9	ug/kg	8.9	28	1	M8270	1/11/2007	1/11/2007	MJR	1
Pyrene	<11	ug/kg	11	34	1	M8270	1/11/2007	1/11/2007	MJR	1
VOC's										
Benzene	<25	ug/kg	20	65	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromobenzene	<25	ug/kg	21	66	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromodichloromethane	<25	ug/kg	24	76	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromoform	<25	ug/kg	15	48	1	8260B	1/16/2007	1/16/2007	CJR	1
tert-Butylbenzene	<25	ug/kg	14	46	1	8260B	1/16/2007	1/16/2007	CJR	1
sec-Butylbenzene	<25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
n-Butylbenzene	<25	ug/kg	20	65	1	8260B	1/16/2007	1/16/2007	CJR	1
Carbon Tetrachloride	<25	ug/kg	9.4	30	1	8260B	1/16/2007	1/16/2007	CJR	1
Chlorobenzene	<25	ug/kg	21	68	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloroethane	<25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloroform	<25	ug/kg	20	63	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloromethane	<25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
2-Chlorotoluene	<25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
4-Chlorotoluene	<25	ug/kg	17	53	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	<25	ug/kg	21	66	1	8260B	1/16/2007	1/16/2007	CJR	1
Dibromochloromethane	<25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
1,4-Dichlorobenzene	<25	ug/kg	22	72	1	8260B	1/16/2007	1/16/2007	CJR	1
1,3-Dichlorobenzene	<25	ug/kg	19	59	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichlorobenzene	<25	ug/kg	20	64	1	8260B	1/16/2007	1/16/2007	CJR	1
Dichlorodifluoromethane	<25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichloroethane	<25	ug/kg	19	60	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1-Dichloroethane	<25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1-Dichloroethene	<25	ug/kg	24	76	1	8260B	1/16/2007	1/16/2007	CJR	1
cis-1,2-Dichloroethene	<25	ug/kg	19	60	1	8260B	1/16/2007	1/16/2007	CJR	1
trans-1,2-Dichloroethene	<25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichloropropane	<25	ug/kg	23	73	1	8260B	1/16/2007	1/16/2007	CJR	1
2,2-Dichloropropane	<25	ug/kg	18	57	1	8260B	1/16/2007	1/16/2007	CJR	1
1,3-Dichloropropane	<25	ug/kg	23	73	1	8260B	1/16/2007	1/16/2007	CJR	1
Di-isopropyl ether	<25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	<25	ug/kg	22	69	1	8260B	1/16/2007	1/16/2007	CJR	1
Ethylbenzene	<25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
Hexachlorobutadiene	<25	ug/kg	23	74	1	8260B	1/16/2007	1/16/2007	CJR	1
Isopropylbenzene	<25	ug/kg	17	53	1	8260B	1/16/2007	1/16/2007	CJR	1
p-Isopropyltoluene	<25	ug/kg	15	47	1	8260B	1/16/2007	1/16/2007	CJR	1
Methylene chloride	<25	ug/kg	19	61	1	8260B	1/16/2007	1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
Naphthalene	<25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
n-Propylbenzene	<25	ug/kg	13	43	1	8260B	1/16/2007	1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

Invoice # E14765

Lab Code 5014765G
Sample ID SB-32-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	49 "J"	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765H
Sample ID SB-33-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.5	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/12/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/12/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
Benzo(a)anthracene	< 12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/12/2007	MJR	1
Benzo(b)fluoranthene	< 7.5	ug/kg	7.5	24	1	M8270		1/12/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/12/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/12/2007	MJR	1
Chrysene	< 20	ug/kg	20	63	1	M8270		1/12/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/12/2007	MJR	1
Fluoranthene	< 7.4	ug/kg	7.4	24	1	M8270		1/12/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/12/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/12/2007	MJR	1
Phenanthrene	< 8.9	ug/kg	8.9	28	1	M8270		1/12/2007	MJR	1
Pyrene	< 11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765H
 Sample ID SB-33-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

Invoice # E14765

Lab Code 5014765H
Sample ID SB-33-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
o-Xylene	<25	ug/kg	16	51	1	8260B	1/16/2007	1/16/2007	CJR	1

Lab Code 50147651
Sample ID SB-35-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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General

General

Solids Percent	83.3	%			1	5021		1/12/2007	DJB	1
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Organic

PAH SIM

Acenaphthene	< 17	ug/kg	17	54	1	M8270		1/12/2007	MJR	1
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/12/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
Benzo(a)anthracene	13 "J"	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/12/2007	MJR	1
Benzo(b)fluoranthene	9.8 "J"	ug/kg	7.5	24	1	M8270		1/12/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/12/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/12/2007	MJR	1
Chrysene	< 20	ug/kg	20	63	1	M8270		1/12/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/12/2007	MJR	1
Fluoranthene	21 "J"	ug/kg	7.4	24	1	M8270		1/12/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/12/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/12/2007	MJR	1
Phenanthrene	14 "J"	ug/kg	8.9	28	1	M8270		1/12/2007	MJR	1
Pyrene	18 "J"	ug/kg	11	34	1	M8270		1/12/2007	MJR	1

VOC's

Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # EI4765

Lab Code 5014765I
 Sample ID SB-35-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichlorobenzene	<25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	<25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	<25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	<25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	<25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	<25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	<25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	<25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	<25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	<25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	<25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	<25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	<25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	<25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	<25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	<25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	<25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	<25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	<25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	<25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	<25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	<25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	<25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	<50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	<25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765J
 Sample ID SB-34-5-6
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.6	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	<17	ug/kg	17	54	1	M8270		1/12/2007	MJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765J
 Sample ID SB-34-5-6
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Acenaphthylene	< 19	ug/kg	19	61	1	M8270		1/12/2007	MJR	1
Anthracene	< 11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
Benzo(a)anthracene	< 12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Benzo(a)pyrene	< 8.1	ug/kg	8.1	26	1	M8270		1/12/2007	MJR	1
Benzo(b)fluoranthene	< 7.5	ug/kg	7.5	24	1	M8270		1/12/2007	MJR	1
Benzo(g,h,i)perylene	< 8.5	ug/kg	8.5	27	1	M8270		1/12/2007	MJR	1
Benzo(k)fluoranthene	< 14	ug/kg	14	46	1	M8270		1/12/2007	MJR	1
Chrysene	< 20	ug/kg	20	63	1	M8270		1/12/2007	MJR	1
Dibenzo(a,h)anthracene	< 11	ug/kg	11	33	1	M8270		1/12/2007	MJR	1
Fluoranthene	< 7.4	ug/kg	7.4	24	1	M8270		1/12/2007	MJR	1
Fluorene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
Indeno(1,2,3-cd)pyrene	< 9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
1-Methyl naphthalene	< 11	ug/kg	11	36	1	M8270		1/12/2007	MJR	1
2-Methyl naphthalene	< 12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Naphthalene	< 17	ug/kg	17	53	1	M8270		1/12/2007	MJR	1
Phenanthrene	< 8.9	ug/kg	8.9	28	1	M8270		1/12/2007	MJR	1
Pyrene	< 11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765J
 Sample ID SB-34-5-6
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Hexachlorobutadiene	<25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	<25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	<25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	<25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	<25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	<25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	<25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	<25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	<25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	<25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	<25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	<50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	<25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765K
 Sample ID SB-36-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	<17	ug/kg	17	54	1	M8270		1/12/2007	MJR	1
Acenaphthylene	<19	ug/kg	19	61	1	M8270		1/12/2007	MJR	1
Anthracene	<11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
Benzo(a)anthracene	<12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Benzo(a)pyrene	<8.1	ug/kg	8.1	26	1	M8270		1/12/2007	MJR	1
Benzo(b)fluoranthene	<7.5	ug/kg	7.5	24	1	M8270		1/12/2007	MJR	1
Benzo(g,h,i)perylene	<8.5	ug/kg	8.5	27	1	M8270		1/12/2007	MJR	1
Benzo(k)fluoranthene	<14	ug/kg	14	46	1	M8270		1/12/2007	MJR	1
Chrysene	<20	ug/kg	20	63	1	M8270		1/12/2007	MJR	1
Dibenzo(a,h)anthracene	<11	ug/kg	11	33	1	M8270		1/12/2007	MJR	1
Fluoranthene	<7.4	ug/kg	7.4	24	1	M8270		1/12/2007	MJR	1
Fluorene	<9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
1-Methyl naphthalene	<11	ug/kg	11	36	1	M8270		1/12/2007	MJR	1
2-Methyl naphthalene	<12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765K
 Sample ID SB-36-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	< 17	ug/kg	17	53	1	M8270	1/12/2007	1/12/2007	MJR	1
Phenanthrene	< 8.9	ug/kg	8.9	28	1	M8270	1/12/2007	1/12/2007	MJR	1
Pyrene	< 11	ug/kg	11	34	1	M8270	1/12/2007	1/12/2007	MJR	1
VOC's										
Benzene	< 25	ug/kg	20	65	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromobenzene	< 25	ug/kg	21	66	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromodichloromethane	< 25	ug/kg	24	76	1	8260B	1/16/2007	1/16/2007	CJR	1
Bromoform	< 25	ug/kg	15	48	1	8260B	1/16/2007	1/16/2007	CJR	1
tert-Butylbenzene	< 25	ug/kg	14	46	1	8260B	1/16/2007	1/16/2007	CJR	1
sec-Butylbenzene	< 25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
n-Butylbenzene	< 25	ug/kg	20	65	1	8260B	1/16/2007	1/16/2007	CJR	1
Carbon Tetrachloride	< 25	ug/kg	9.4	30	1	8260B	1/16/2007	1/16/2007	CJR	1
Chlorobenzene	< 25	ug/kg	21	68	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloroethane	< 25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloroform	< 25	ug/kg	20	63	1	8260B	1/16/2007	1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B	1/16/2007	1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B	1/16/2007	1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B	1/16/2007	1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B	1/16/2007	1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B	1/16/2007	1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B	1/16/2007	1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B	1/16/2007	1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B	1/16/2007	1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B	1/16/2007	1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B	1/16/2007	1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B	1/16/2007	1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B	1/16/2007	1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B	1/16/2007	1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B	1/16/2007	1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B	1/16/2007	1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B	1/16/2007	1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B	1/16/2007	1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B	1/16/2007	1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B	1/16/2007	1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B	1/16/2007	1/16/2007	CJR	1

Project Name COWA/LIME PIT
Project #

Invoice # E14765

Lab Code 5014765K
Sample ID SB-36-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	<25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	<25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	<25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	<25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	<50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	<25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Lab Code 5014765L
Sample ID SB-37-3-4
Sample Matrix Soil
Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.8	%			1	5021		1/12/2007	DJB	1
Organic										
PAH SIM										
Acenaphthene	<17	ug/kg	17	54	1	M8270		1/12/2007	MJR	1
Acenaphthylene	<19	ug/kg	19	61	1	M8270		1/12/2007	MJR	1
Anthracene	<11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
Benzo(a)anthracene	<12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Benzo(a)pyrene	<8.1	ug/kg	8.1	26	1	M8270		1/12/2007	MJR	1
Benzo(b)fluoranthene	<7.5	ug/kg	7.5	24	1	M8270		1/12/2007	MJR	1
Benzo(g,h,i)perylene	<8.5	ug/kg	8.5	27	1	M8270		1/12/2007	MJR	1
Benzo(k)fluoranthene	<14	ug/kg	14	46	1	M8270		1/12/2007	MJR	1
Chrysene	<20	ug/kg	20	63	1	M8270		1/12/2007	MJR	1
Dibenzo(a,h)anthracene	<11	ug/kg	11	33	1	M8270		1/12/2007	MJR	1
Fluoranthene	<7.4	ug/kg	7.4	24	1	M8270		1/12/2007	MJR	1
Fluorene	<9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<9.5	ug/kg	9.5	30	1	M8270		1/12/2007	MJR	1
1-Methyl naphthalene	<11	ug/kg	11	36	1	M8270		1/12/2007	MJR	1
2-Methyl naphthalene	<12	ug/kg	12	37	1	M8270		1/12/2007	MJR	1
Naphthalene	<17	ug/kg	17	53	1	M8270		1/12/2007	MJR	1
Phenanthrene	<8.9	ug/kg	8.9	28	1	M8270		1/12/2007	MJR	1
Pyrene	<11	ug/kg	11	34	1	M8270		1/12/2007	MJR	1
VOC's										
Benzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Bromobenzene	<25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Bromodichloromethane	<25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Bromoform	<25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
tert-Butylbenzene	<25	ug/kg	14	46	1	8260B		1/16/2007	CJR	1
sec-Butylbenzene	<25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Butylbenzene	<25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Carbon Tetrachloride	<25	ug/kg	9.4	30	1	8260B		1/16/2007	CJR	1
Chlorobenzene	<25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
Chloroethane	<25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT
 Project #

Invoice # E14765

Lab Code 5014765L
 Sample ID SB-37-3-4
 Sample Matrix Soil
 Sample Date 1/9/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chloroform	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Chloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
2-Chlorotoluene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
4-Chlorotoluene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	21	66	1	8260B		1/16/2007	CJR	1
Dibromochloromethane	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	22	72	1	8260B		1/16/2007	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	19	59	1	8260B		1/16/2007	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	20	64	1	8260B		1/16/2007	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloroethane	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethane	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,1-Dichloroethene	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	19	60	1	8260B		1/16/2007	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	20	62	1	8260B		1/16/2007	CJR	1
1,2-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
2,2-Dichloropropane	< 25	ug/kg	18	57	1	8260B		1/16/2007	CJR	1
1,3-Dichloropropane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
Di-isopropyl ether	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
Ethylbenzene	< 25	ug/kg	17	54	1	8260B		1/16/2007	CJR	1
Hexachlorobutadiene	< 25	ug/kg	23	74	1	8260B		1/16/2007	CJR	1
Isopropylbenzene	< 25	ug/kg	17	53	1	8260B		1/16/2007	CJR	1
p-Isopropyltoluene	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
Methylene chloride	< 25	ug/kg	19	61	1	8260B		1/16/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
Naphthalene	< 25	ug/kg	17	55	1	8260B		1/16/2007	CJR	1
n-Propylbenzene	< 25	ug/kg	13	43	1	8260B		1/16/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	15	48	1	8260B		1/16/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	24	76	1	8260B		1/16/2007	CJR	1
Tetrachloroethene	< 25	ug/kg	18	58	1	8260B		1/16/2007	CJR	1
Toluene	< 25	ug/kg	21	68	1	8260B		1/16/2007	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	25	80	1	8260B		1/16/2007	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	22	69	1	8260B		1/16/2007	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	23	73	1	8260B		1/16/2007	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	20	65	1	8260B		1/16/2007	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
Trichlorofluoromethane	< 25	ug/kg	15	47	1	8260B		1/16/2007	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	20	63	1	8260B		1/16/2007	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	16	52	1	8260B		1/16/2007	CJR	1
Vinyl Chloride	< 25	ug/kg	19	62	1	8260B		1/16/2007	CJR	1
m&p-Xylene	< 50	ug/kg	40	129	1	8260B		1/16/2007	CJR	1
o-Xylene	< 25	ug/kg	16	51	1	8260B		1/16/2007	CJR	1

Project Name COWA/LIME PIT

Invoice # E14765

Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight.

Authorized Signature



CHAIN OF CUSTODY RECORD



Chain # No. 705

Page 1 of 1

Account No. :	Quote No.:
Project #:	
Sampler: (signature)	<i>J. Hosler</i>

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required 2/16
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): **COWA - LIME PIT SI - WEST ALLIS**

Reports To: J.L. HOSLER	Invoice To:	Analysis Requested DRO (Mod DRO Sep 95) GRO (Mod GRO Sep 95) PVO (EPA 8021) VOC (EPA 8260) VOC DW (EPA 524.2) PAH (EPA 8270) Total Suspended Solids Lead PID/ FID	Other Analysis
Company TEMCO	Company CITY OF WEST ALLIS		
Address P O BOX 856	Address 7525 W. GREENFIELD AVE.		
City State Zip CEARBURG WI 53012	City State Zip WEST ALLIS WI 53214		
Phone 262-675-6206	Phone		
FAX 262-675-6170	FAX		

Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVO (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	PID/FID
MW-15	2/12		✓	H	4	GW	HCl				✓		✓			
MW-16	2/12		✓	H	4	GW	HCl				✓		✓			

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

SEND INVOICE TO TEMCO / RUSH ANALYSIS - REQUIRED FRIDAY 16 FEB 07

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
<i>J. Hosler</i>	1:10 PM	13 FEB 07	<i>Alvin De Lan</i>	1:10	2/13
Received in Laboratory By:	Time:	Date:			
<i>[Signature]</i>	08:30	2/14/07			

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

JEFF HOSLER
TEMCO
P.O. Box 856
Cedarburg, WI 53012

Report Date 20-Jan-09

Project Name COWA-LIME PIT SI
Project #

Invoice # E14897

Lab Code 5014897A
Sample ID MW-15
Sample Matrix Water
Sample Date 2/12/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	<0.015	ug/l	0.015	0.049	1	M8270		2/15/2007	MJR	1
Acenaphthylene	<0.016	ug/l	0.016	0.052	1	M8270		2/15/2007	MJR	1
Anthracene	<0.013	ug/l	0.013	0.043	1	M8270		2/15/2007	MJR	1
Benzo(a)anthracene	0.020 "J"	ug/l	0.015	0.047	1	M8270		2/15/2007	MJR	1
Benzo(a)pyrene	<0.015	ug/l	0.015	0.047	1	M8270		2/15/2007	MJR	1
Benzo(b)fluoranthene	0.021 "J"	ug/l	0.014	0.044	1	M8270		2/15/2007	MJR	1
Benzo(g,h,i)perylene	<0.015	ug/l	0.015	0.046	1	M8270		2/15/2007	MJR	1
Benzo(k)fluoranthene	<0.023	ug/l	0.023	0.072	1	M8270		2/15/2007	MJR	1
Chrysene	<0.016	ug/l	0.016	0.052	1	M8270		2/15/2007	MJR	1
Dibenzo(a,h)anthracene	<0.015	ug/l	0.015	0.048	1	M8270		2/15/2007	MJR	1
Fluoranthene	0.029 "J"	ug/l	0.015	0.049	1	M8270		2/15/2007	MJR	1
Fluorene	<0.019	ug/l	0.019	0.06	1	M8270		2/15/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<0.014	ug/l	0.014	0.046	1	M8270		2/15/2007	MJR	1
1-Methyl naphthalene	<0.018	ug/l	0.013	0.04	1	M8270		2/15/2007	MJR	1
2-Methyl naphthalene	0.031 "J"	ug/l	0.022	0.069	1	M8270		2/15/2007	MJR	1
Naphthalene	0.029 "J"	ug/l	0.018	0.056	1	M8270		2/15/2007	MJR	1
Phenanthrene	0.018 "J"	ug/l	0.017	0.055	1	M8270		2/15/2007	MJR	1
Pyrene	0.028 "J"	ug/l	0.015	0.046	1	M8270		2/15/2007	MJR	1
VOC's										
Benzene	<0.47	ug/l	0.47	1.5	1	8260B		2/15/2007	CJR	1
Bromobenzene	<0.36	ug/l	0.36	1.1	1	8260B		2/15/2007	CJR	1
Bromodichloromethane	<0.5	ug/l	0.5	1.6	1	8260B		2/15/2007	CJR	1
Bromoform	<0.38	ug/l	0.38	1.2	1	8260B		2/15/2007	CJR	1
tert-Butylbenzene	<0.34	ug/l	0.34	1.1	1	8260B		2/15/2007	CJR	1
sec-Butylbenzene	<0.36	ug/l	0.36	1.2	1	8260B		2/15/2007	CJR	1

Project Name COWA-LIME PIT SI
 Project #

Invoice # E14897

Lab Code 5014897A
 Sample ID MW-15
 Sample Matrix Water
 Sample Date 2/12/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
n-Butylbenzene	<0.52	ug/l	0.52	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
Carbon Tetrachloride	<0.46	ug/l	0.46	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
Chlorobenzene	<0.31	ug/l	0.31	1	1	8260B	2/15/2007	2/15/2007	CJR	1
Chloroethane	<0.47	ug/l	0.47	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
Chloroform	<0.48	ug/l	0.48	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
Chloromethane	<1	ug/l	1	3.3	1	8260B	2/15/2007	2/15/2007	CJR	1
2-Chlorotoluene	<0.49	ug/l	0.49	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
4-Chlorotoluene	<0.38	ug/l	0.38	1.2	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2-Dibromo-3-chloropropane	<1.4	ug/l	1.4	4.5	1	8260B	2/15/2007	2/15/2007	CJR	3 4
Dibromochloromethane	<0.32	ug/l	0.32	1	1	8260B	2/15/2007	2/15/2007	CJR	1
1,4-Dichlorobenzene	<0.33	ug/l	0.33	1.1	1	8260B	2/15/2007	2/15/2007	CJR	1
1,3-Dichlorobenzene	<0.3	ug/l	0.3	0.95	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2-Dichlorobenzene	<0.35	ug/l	0.35	1.1	1	8260B	2/15/2007	2/15/2007	CJR	1
Dichlorodifluoromethane	<0.46	ug/l	0.46	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2-Dichloroethane	<0.45	ug/l	0.45	1.4	1	8260B	2/15/2007	2/15/2007	CJR	1
1,1-Dichloroethane	<0.56	ug/l	0.56	1.8	1	8260B	2/15/2007	2/15/2007	CJR	1
1,1-Dichloroethene	<0.64	ug/l	0.64	2	1	8260B	2/15/2007	2/15/2007	CJR	1
cis-1,2-Dichloroethene	<0.68	ug/l	0.68	2.2	1	8260B	2/15/2007	2/15/2007	CJR	1
trans-1,2-Dichloroethene	<0.95	ug/l	0.95	3	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2-Dichloropropane	<0.47	ug/l	0.47	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
2,2-Dichloropropane	<0.98	ug/l	0.98	3.1	1	8260B	2/15/2007	2/15/2007	CJR	1
1,3-Dichloropropane	<0.39	ug/l	0.39	1.3	1	8260B	2/15/2007	2/15/2007	CJR	1
Di-isopropyl ether	<1.3	ug/l	1.3	4.1	1	8260B	2/15/2007	2/15/2007	CJR	1
EDB (1,2-Dibromoethane)	<0.49	ug/l	0.49	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
Ethylbenzene	<0.38	ug/l	0.38	1.2	1	8260B	2/15/2007	2/15/2007	CJR	1
Hexachlorobutadiene	<1.5	ug/l	1.5	4.9	1	8260B	2/15/2007	2/15/2007	CJR	1
Isopropylbenzene	<0.48	ug/l	0.48	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
p-Isopropyltoluene	<0.35	ug/l	0.35	1.1	1	8260B	2/15/2007	2/15/2007	CJR	1
Methylene chloride	<0.69	ug/l	0.69	2.2	1	8260B	2/15/2007	2/15/2007	CJR	1
Methyl tert-butyl ether (MTBE)	<0.52	ug/l	0.52	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
Naphthalene	<1.8	ug/l	1.8	5.6	1	8260B	2/15/2007	2/15/2007	CJR	23
n-Propylbenzene	<0.38	ug/l	0.38	1.2	1	8260B	2/15/2007	2/15/2007	CJR	1
1,1,2,2-Tetrachloroethane	<0.75	ug/l	0.75	2.4	1	8260B	2/15/2007	2/15/2007	CJR	1
1,1,1,2-Tetrachloroethane	<0.65	ug/l	0.65	2.1	1	8260B	2/15/2007	2/15/2007	CJR	1
Tetrachloroethene	<0.52	ug/l	0.52	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
Toluene	<0.46	ug/l	0.46	1.5	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2,4-Trichlorobenzene	<1.5	ug/l	1.5	4.6	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2,3-Trichlorobenzene	<1.6	ug/l	1.6	5	1	8260B	2/15/2007	2/15/2007	CJR	23
1,1,1-Trichloroethane	<0.5	ug/l	0.5	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
1,1,2-Trichloroethane	<0.5	ug/l	0.5	1.6	1	8260B	2/15/2007	2/15/2007	CJR	1
Trichloroethene (TCE)	<0.44	ug/l	0.44	1.4	1	8260B	2/15/2007	2/15/2007	CJR	1
Trichlorofluoromethane	<0.61	ug/l	0.61	1.9	1	8260B	2/15/2007	2/15/2007	CJR	1
1,2,4-Trimethylbenzene	<1.2	ug/l	1.2	3.8	1	8260B	2/15/2007	2/15/2007	CJR	1
1,3,5-Trimethylbenzene	<0.37	ug/l	0.36	1.2	1	8260B	2/15/2007	2/15/2007	CJR	1
Vinyl Chloride	<0.2	ug/l	0.2	0.63	1	8260B	2/15/2007	2/15/2007	CJR	1
m&p-Xylene	<0.67	ug/l	0.67	2.1	1	8260B	2/15/2007	2/15/2007	CJR	1
o-Xylene	<0.32	ug/l	0.32	1	1	8260B	2/15/2007	2/15/2007	CJR	1

Project #

Lab Code 5014897B
 Sample ID MW-16
 Sample Matrix Water
 Sample Date 2/12/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PAH SIM										
Acenaphthene	<0.015	ug/l	0.015	0.049	1	M8270		2/15/2007	MJR	1
Acenaphthylene	<0.016	ug/l	0.016	0.052	1	M8270		2/15/2007	MJR	1
Anthracene	<0.013	ug/l	0.013	0.043	1	M8270		2/15/2007	MJR	1
Benzo(a)anthracene	<0.015	ug/l	0.015	0.047	1	M8270		2/15/2007	MJR	1
Benzo(a)pyrene	<0.015	ug/l	0.015	0.047	1	M8270		2/15/2007	MJR	1
Benzo(b)fluoranthene	<0.014	ug/l	0.014	0.044	1	M8270		2/15/2007	MJR	1
Benzo(g,h,i)perylene	<0.015	ug/l	0.015	0.046	1	M8270		2/15/2007	MJR	1
Benzo(k)fluoranthene	<0.023	ug/l	0.023	0.072	1	M8270		2/15/2007	MJR	1
Chrysene	<0.016	ug/l	0.016	0.052	1	M8270		2/15/2007	MJR	1
Dibenzo(a,h)anthracene	<0.015	ug/l	0.015	0.048	1	M8270		2/15/2007	MJR	1
Fluoranthene	<0.015	ug/l	0.015	0.049	1	M8270		2/15/2007	MJR	1
Fluorene	<0.019	ug/l	0.019	0.06	1	M8270		2/15/2007	MJR	1
Indeno(1,2,3-cd)pyrene	<0.014	ug/l	0.014	0.046	1	M8270		2/15/2007	MJR	1
1-Methyl naphthalene	0.020 "J"	ug/l	0.013	0.04	1	M8270		2/15/2007	MJR	1
2-Methyl naphthalene	0.030 "J"	ug/l	0.022	0.069	1	M8270		2/15/2007	MJR	1
Naphthalene	0.027 "J"	ug/l	0.018	0.056	1	M8270		2/15/2007	MJR	1
Phenanthrene	<0.017	ug/l	0.017	0.055	1	M8270		2/15/2007	MJR	1
Pyrene	<0.015	ug/l	0.015	0.046	1	M8270		2/15/2007	MJR	1
VOC's										
Benzene	<0.47	ug/l	0.47	1.5	1	8260B		2/15/2007	CJR	1
Bromobenzene	<0.36	ug/l	0.36	1.1	1	8260B		2/15/2007	CJR	1
Bromodichloromethane	<0.5	ug/l	0.5	1.6	1	8260B		2/15/2007	CJR	1
Bromoform	<0.38	ug/l	0.38	1.2	1	8260B		2/15/2007	CJR	1
tert-Butylbenzene	<0.34	ug/l	0.34	1.1	1	8260B		2/15/2007	CJR	1
sec-Butylbenzene	<0.36	ug/l	0.36	1.2	1	8260B		2/15/2007	CJR	1
n-Butylbenzene	<0.52	ug/l	0.52	1.6	1	8260B		2/15/2007	CJR	1
Carbon Tetrachloride	<0.46	ug/l	0.46	1.5	1	8260B		2/15/2007	CJR	1
Chlorobenzene	<0.31	ug/l	0.31	1	1	8260B		2/15/2007	CJR	1
Chloroethane	<0.47	ug/l	0.47	1.5	1	8260B		2/15/2007	CJR	1
Chloroform	<0.48	ug/l	0.48	1.5	1	8260B		2/15/2007	CJR	1
Chloromethane	<1	ug/l	1	3.3	1	8260B		2/15/2007	CJR	1
2-Chlorotoluene	<0.49	ug/l	0.49	1.6	1	8260B		2/15/2007	CJR	1
4-Chlorotoluene	<0.38	ug/l	0.38	1.2	1	8260B		2/15/2007	CJR	1
1,2-Dibromo-3-chloropropane	<1.4	ug/l	1.4	4.5	1	8260B		2/15/2007	CJR	3 4
Dibromochloromethane	<0.32	ug/l	0.32	1	1	8260B		2/15/2007	CJR	1
1,4-Dichlorobenzene	<0.33	ug/l	0.33	1.1	1	8260B		2/15/2007	CJR	1
1,3-Dichlorobenzene	<0.3	ug/l	0.3	0.95	1	8260B		2/15/2007	CJR	1
1,2-Dichlorobenzene	<0.35	ug/l	0.35	1.1	1	8260B		2/15/2007	CJR	1
Dichlorodifluoromethane	<0.46	ug/l	0.46	1.5	1	8260B		2/15/2007	CJR	1
1,2-Dichloroethane	<0.45	ug/l	0.45	1.4	1	8260B		2/15/2007	CJR	1
1,1-Dichloroethane	<0.56	ug/l	0.56	1.8	1	8260B		2/15/2007	CJR	1
1,1-Dichloroethene	<0.64	ug/l	0.64	2	1	8260B		2/15/2007	CJR	1
cis-1,2-Dichloroethene	<0.68	ug/l	0.68	2.2	1	8260B		2/15/2007	CJR	1
trans-1,2-Dichloroethene	<0.95	ug/l	0.95	3	1	8260B		2/15/2007	CJR	1
1,2-Dichloropropane	<0.47	ug/l	0.47	1.5	1	8260B		2/15/2007	CJR	1
2,2-Dichloropropane	<0.98	ug/l	0.98	3.1	1	8260B		2/15/2007	CJR	1
1,3-Dichloropropane	<0.39	ug/l	0.39	1.3	1	8260B		2/15/2007	CJR	1

Project Name COWA-LIME PIT SI
Project #

Invoice # E14897

Lab Code 5014897B
Sample ID MW-16
Sample Matrix Water
Sample Date 2/12/2007

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 1.3	ug/l	1.3	4.1	1	8260B		2/15/2007	CJR	1
EDB (1,2-Dibromoethane)	< 0.49	ug/l	0.49	1.5	1	8260B		2/15/2007	CJR	1
Ethylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B		2/15/2007	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.9	1	8260B		2/15/2007	CJR	1
Isopropylbenzene	< 0.48	ug/l	0.48	1.5	1	8260B		2/15/2007	CJR	1
p-Isopropyltoluene	< 0.35	ug/l	0.35	1.1	1	8260B		2/15/2007	CJR	1
Methylene chloride	< 0.69	ug/l	0.69	2.2	1	8260B		2/15/2007	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.52	ug/l	0.52	1.6	1	8260B		2/15/2007	CJR	1
Naphthalene	< 1.8	ug/l	1.8	5.6	1	8260B		2/15/2007	CJR	23
n-Propylbenzene	< 0.38	ug/l	0.38	1.2	1	8260B		2/15/2007	CJR	1
1,1,2,2-Tetrachloroethane	< 0.75	ug/l	0.75	2.4	1	8260B		2/15/2007	CJR	1
1,1,1,2-Tetrachloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		2/15/2007	CJR	1
Tetrachloroethene	< 0.52	ug/l	0.52	1.6	1	8260B		2/15/2007	CJR	1
Toluene	< 0.46	ug/l	0.46	1.5	1	8260B		2/15/2007	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		2/15/2007	CJR	1
1,2,3-Trichlorobenzene	< 1.6	ug/l	1.6	5	1	8260B		2/15/2007	CJR	23
1,1,1-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2007	CJR	1
1,1,2-Trichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2007	CJR	1
Trichloroethene (TCE)	< 0.44	ug/l	0.44	1.4	1	8260B		2/15/2007	CJR	1
Trichlorofluoromethane	< 0.61	ug/l	0.61	1.9	1	8260B		2/15/2007	CJR	1
1,2,4-Trimethylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		2/15/2007	CJR	1
1,3,5-Trimethylbenzene	< 0.37	ug/l	0.36	1.2	1	8260B		2/15/2007	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.63	1	8260B		2/15/2007	CJR	1
m&p-Xylene	< 0.67	ug/l	0.67	2.1	1	8260B		2/15/2007	CJR	1
o-Xylene	< 0.32	ug/l	0.32	1	1	8260B		2/15/2007	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.
3	The matrix spike not within established limits.
4	The continuing calibration standard not within established limits.
23	Area percent recovery below 50%.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight.

Authorized Signature 

APPENDIX B

SOIL BORING LOGS

Facility/Project Name: **LINE PIT SITE** License/Permit/Monitoring Number: _____ Boring Number: **SB-26**

Boring Drilled By (Firm name and name of crew chief): **MORANE ENVIRONMENTAL, INC.** Date Drilling Started: **01/09/07** Date Drilling Completed: **01/09/07** Drilling Method: **DIRECT PUSH**

Common Well Name: _____ Final Static Water Level: _____ Surface Elevation: _____ Borehole Diameter: **2.85** inches

Boring Location: _____ State Plane: **N. E. 3/4** Section **3**, T **6** N., R **21** W. Local Grid Location (if applicable): _____

County: **MILWAUKEE** DNR County Code: **4** Civil Town/City/ or Village: **WEST ALLIS**

Sample Number and Type	Length, Act. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PDM/D	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	0'-2' BROWN, MOIST, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL									NO ODR
			2	2'-5' BROWN & GRAY, MOIST, SILTY CLAY WITH TRACE SAND & GRAVEL	CL									NO ODR
			5	5'-10' BROWN, MOIST TO WET, SILTY CLAY WITH TRACE SAND & GRAVEL	CL									NO ODR
			10	BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: *[Handwritten Signature]* Firm: **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$100 or more than \$5,000 for each violation. Fines not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-27**

Boring Drilled By (Firm name and name of crew chief) **MORANE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**
MM DD YY MM DD YY

Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **2.25** inches

Boring Location State Plane _____ N. _____ E. S. / N. Lat. _____ Long. _____ Local Grid Location (if applicable) _____ Feet _____ Feet _____ Feet _____ Feet

County **MILWAUKEE** DNR County Code **47** Civil Town/City/Village **WEST ALLIS**

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/STD	Soil Properties				P 200	RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
			1	0'-2' BROWN, MOIST, SILTY CLAY WITH SOME SAND & GRAVEL (FLL)	CL									NO ODOUR
			2	2'-5' BROWN & GRAY, MOIST, SILTY CLAY WITH TRACE SAND & GRAVEL	CL									NO ODOUR
			5	5'-10' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL									NO ODOUR
			10	BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature [Signature] Firm **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$100 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- Roads To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-28**

Boring Drilled By (Firm name and name of crew chief) **MORANE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**

Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **2.25** inches

Boring Location State Plane _____ N. _____ B S/C/N _____ Lat _____ Local Grid Location (if applicable) _____ Feet _____ E _____ S _____ Feet _____ W

County **MILWAUKEE** DNR County Code **41** Civil Town/City/ or Village **WEST ALLIS**

Sample Number and Type	Length Adv. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description and Geologic Origin For Each Major Unit	UCS	Graphic Log	West Diagram	FID/FID	Soil Properties					P 200	ROD Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			1	0'-2' BROWN, MOIST, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL										NO ODOOR
			2	2'-5' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL AND LIME SLURRY (FILL)	CL										NO ODOOR
			3												
			4												
			5												
			6	5'-10' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL, DE-CRASSING TO TALL WITH DEPTH	CL										NO ODOOR
			7												
			8												
			9												
			10	BOTTOM OF BORING											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **[Signature]** Firm **TEMCO**

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeiture not less than \$1000 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Superfund
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name: **LINE PIT SITE** License/Permit/Monitoring Number: _____ Boring Number: **SB-29**

Boring Drilled By (Firm name and name of crew chief): **MORANE ENVIRONMENTAL, INC.**
 Date Drilling Started: **01/09/07** Date Drilling Completed: **01/09/07** Drilling Method: **DIRECT PUSH**

Common Well Name: _____ Total Static Water Level: _____ Feet MSL
 Surface Elevation: _____ Feet MSL Borehole Diameter: **2.25** inches

Boring Location: State Plane _____ N. _____ E. _____ S. _____ W. _____
 Local Grid Location (if applicable): _____ N. _____ E. _____ S. _____ W.

County: **MILWAUKEE** DNR County Code: **47** Civil Town/City/Village: **WEST ALLIS**

Sample Number and Type	Length An. & Recovered (in)	Bore Course	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	FID/FID	Soil Properties				P 200	BODY Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
			1	0'-1' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL									NO ODR
			2	1'-2' GRAY, WET, LIME SLURRY (FILL)	FM									NO ODR
			3	2'-4' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL, BRICK FRAGMENTS & FOUNDRY SAND (ALL)	FM									NO ODR
			4											
			5	4'-8' BROWN & GRAY, WET, SILTY CLAY WITH TRAIL SAND & GRAVEL	CL									NO ODR
			6											
			7											
			8											
			9											
			10											
				BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: **[Signature]** Firm: **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss. 144.99 and 162.06, Wis. Stats.

Facility/Project Name: **LIME PIT SITE** License/Permit/Manifesting Number: _____ Boring Number: **SB-30**

Boring Drilled By (Firm name and name of crew chief): **MORANE ENVIRONMENTAL, INC.** Date Drilling Started: **01/09/07** Date Drilling Completed: **01/09/07** Drilling Method: **DIRECT PUSH**

Common Well Name: _____ Final Static Water Level: _____ Feet MSL Surface Elevation: _____ Feet MSL Borehole Diameter: **2.25** inches

Boring Location: State Plane: _____ N, _____ E, _____ S, _____ W B. Sec/N. Lat: _____ Local Grid Location (if applicable): _____
 NW 1/4 of SE 1/4 of Section **3**, T **6** N, R **21** W Long: _____ Feet N E
 S W

County: **MILWAUKEE** DNR County Code: **47** Civil Town/City/ or Village: **WEST ALLIS**

Sample Number and Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PUM/PTD	Soil Properties					F 200	RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			1	0'-2' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL										NO
			2	2'-4' GRAY, WET, LIME SLURRY (FILL)	FILL										NO
			4	4'-5' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL & TRACE LIME SLURRY (FILL)	CL										NO
			6	5'-8' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL										NO
			8	BOTTOM OF BORING											

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: *[Signature]* Firm: **TEMCO**

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeits not less than \$100 nor more than \$3,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Facility/Project Name LINE PIT SITE	License/Permit/Monitoring Number	Boring Number SB-31	
Boring Drilled By (Firm name and name of crew chief) MORRINE ENVIRONMENTAL, INC.	Date Drilling Started 01/09/07 MM DD YY	Date Drilling Completed 01/09/07 MM DD YY	Drilling Method DIRECT PUSH
Common Well Name	Final Static Water Level Feet MSL.	Surface Elevation Feet MSL.	Borehole Diameter 3.25 inches
Boring Location State Plane NW 1/4 of SE 1/4 of Section 3, T. 6 N. R. 21 W.	Local Grid Location (if applicable) <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	County MILWAUKEE	DNR County Code 4
Civil Town/City/ or Village WEST ALLIS			

Sample Number and Type	Length, Alt. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/PID	Soil Properties					RODdy Contents	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	0'-2' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL										NO RODdy
			2	2'-5' BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL										NO RODdy
			3												
			4												
			5	5'-8' BROWN, MOIST, SILTY CLAY WITH TRAIL TO SOME SAND & GRAVEL	CL										NO RODdy
			6												
			7												
			8												
			9	BOTTOM OF BORING											
			10												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature: *[Handwritten Signature]* Firm: **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeits not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.04, Wis. Stats.

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-32**

Boring Drilled By (Firm name and name of crew chief) **MORANNE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**

Common Well Name _____ Final Static Water Level _____ Surface Elevation _____ Borehole Diameter **2.25** inches

Boring Location State Plane _____ N _____ E S/CN _____ Lat. _____ Local Grid Location (if applicable) _____
NW 1/4 of SE 1/4 of Section 3, T 6 N, R 21 W Long _____ Feet S _____ Feet W

County **MILWAUKEE** County Code _____ Civil Town/City/ or Village **WEST ALLIS**

Sample Number and Type	Length Acc. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/PID	Soil Properties					EQDY Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	0'-2' BROWN, MOIST TO WET, SILTY CLAY WITH SOME SAND & GRAVEL (FLL)	CL									NO
			2	2'-5' BROWN, MOIST TO WET, SILTY CLAY WITH TRACE SAND & GRAVEL (FLL)	CL									NO
			3											NO
			4											NO
			5	5'-8' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL									NO
			6											NO
			7											NO
			8											NO
			9											NO
			10											NO
				BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature **[Signature]** Firm **TEMCO**

This form is authorized by Chapters 144.147 and 142, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 167.06, Wis. Stats.

Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Superfund
- Haz. Waste
- Underground Tanks
- Water Resources
- Other

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-33**

Boring Drilled By (Print name and name of crew chief) **MORRINE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**

Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **2.25** inches

Boring Location State N. E. S. W. Local Grid Location (if applicable) N E S W

County **MILWAUKEE** DNR County Code **41** Civil Town/City/ or Village **WEST ALLIS**

Sample	Number and Type	Length At & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Wall Diagram	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				1	0'-2' BROWN, MOIST TO WET, SILTY CLAY WITH SOME SAND & GRAVEL (FNL)	CL										NO ODOOR
				2												
				3	2'-3' AS ABOVE WITH THIN LAYER OF BLACK WOOD/VEGETATION (FNL)	CL										NO ODOOR
				4		OL										
				5	3'-5' BROWN & GRAY, WET, SILTY CLAY WITH TRACE SAND	CL										NO ODOOR
				6												
				7	5'-8' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL										NO ODOOR
				8												
				9												
				10												
					BOTTOM OF BORING											

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *J. J. Basler* Firm **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$1,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Facility/Project Name: **LINE PIT SITE** License/Permit/Monitoring Number: _____ Boring Number: **SB-34**

Boring Drilled By (Firm name and name of crew chief): **MORRIS ENVIRONMENTAL, INC.** Date Drilling Started: **01/09/07** Date Drilling Completed: **01/09/07** Drilling Method: **DIRECT PUSH**

Common Well Name: _____ Final Static Water Level: _____ Surface Elevation: _____ Borehole Diameter: **2.25** inches

Boring Location: _____ State Plane: _____ N. _____ E S/C/N _____ Lat. _____ Long. _____ Local Grid Location (if applicable): _____

County: **MILWAUKEE** DNR County Code: **47** Civil Town/City/Village: **WEST ALLIS**

Sample Number and Type	Length All. & Recovered (ft)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/PTD	Soil Properties					ROD Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	0'-2' BROWN, MOIST, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL									NO
			2	2'-4' GRAY, DRY, LIMESTONE/DOLOMITE CHIPS (FILL)	GP									NO
			4	4'-8' BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH SOME SAND AND GRAVEL AND LIME SLURRY (FILL)	CL									NO
			8	BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Handwritten Signature]* Firm: **TEMCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to s 144.99 and 162.06, Wis. Stats.

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Spillfield
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name: **LINE PIT SITE** License/Permit/Monitoring Number: _____ Boring Number: **SB-35**

Boring Drilled By (Firm name and name of crew chief): **MORANE ENVIRONMENTAL, INC.** Date Drilling Started: **01/09/07** Date Drilling Completed: **01/09/07** Drilling Method: **DIRECT PUSH**

Common Well Name: _____ Final Static Water Level: _____ Feet MSL. Surface Elevation: _____ Feet MSL. Borehole Diameter: **2.25** inches

Boring Location: State Plane _____ N. _____ E 3CN Lat _____ Long _____ Local Grid Location (if applicable): N R S W

County: **MILWAUKEE** DNR County Code: **41** Civil Town/City/Village: **WEST ALLIS**

Sample Number and Type	Length Acc. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				P-200	BODY Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
			1	0'-5' BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL								NO ODR	
			2											
			3											
			4											
			5	5'-8' BROWN & GRAY, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL							NO ODR		
			6											
			7											
			8	BOTTOM OF BORING										
			9											
			10											

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: *[Signature]* Firm: **TENCO**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$75 nor more than \$5,000 for each violation. Fined not less than \$10 nor more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Superfund
- Haz. Waste
- Underground Tanks
- Water Resources
- Other

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-36**

Boring Drilled By (Firm name and name of crew chief) **MORANNE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**

Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **2.25** inches

Boring Location State Plane _____ N, _____ E S/C/N _____ Lat _____ Local Grid Location (If applicable) _____ N _____ E _____ S _____ W _____ Long _____ Feet _____ Feet _____ W

County **MILWAUKEE** DNR County Code **47** Civil Town/City/ or Village **WEST ALLIS**

Sample Number and Type	Length, Alt. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				P 200	RQTY Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
			1	0'-2' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL & THIN LAYER BLACK ORGANIC MATTER (MIL)	CL									NO 000R
			2	2'-5' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL									NO 000R
			5	5'-8' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL	CL									NO 000R
			8	BOTTOM OF BORING										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature **[Signature]** Firm **TEMCO**

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.39 and 162.06, Wis. Stats.

Facility/Project Name **LINE PIT SITE** License/Permit/Monitoring Number _____ Boring Number **SB-37**

Boring Drilled By (Firm name and name of crew chief) **MORANE ENVIRONMENTAL, INC.** Date Drilling Started **01/09/07** Date Drilling Completed **01/09/07** Drilling Method **DIRECT PUSH**

Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **2.25** inches

Boring Location State Plane _____ N _____ B SCN _____ Lat _____ Local Grid Location (If applicable) _____ E _____ S _____ W

County **MILWAUKEE** DNR County Code **41** Civil Town/City/Village **WEST ALLIS**

Sample Number and Type	Length, Alt. & Recovered (ft)	Borer Capacity	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PICTID	Soil Properties					P 200	SOPT Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
			1	0'-2' BROWN, WET, SILTY CLAY WITH SOME SAND & GRAVEL (FILL)	CL										NO OODR
			2												
			3	2'-5' BROWN & GRAY, WET SILTY CLAY WITH TRACE SAND & GRAVEL	CL										NO OODR
			4												
			5												
			6	5'-8' BROWN & GRAY, WET SILTY CLAY WITH TRACE SAND & GRAVEL	CL										NO OODR
			7												
			8												
			9												
			10												
				BOTTOM OF BORING											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **[Signature]** Firm **TEMCO**

This form is authorized by Chapter 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$100 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

APPENDIX C

SOIL BORING ABANDONMENT FORMS

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-26	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 14 of SE 14 of Sec. 3 ; T. 6 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ E. <input type="checkbox"/> E. <input type="checkbox"/> W. _____		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-26	WI Unique Well No. _____
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOARD	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth in Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Permeation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) 10 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet			

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	1 BAG	

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 256** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **GEORGBURG WI 53012**

FOR LOCAL OR COUNTY USE ONLY

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-27	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 ; T. 6 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-27	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOARD	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
Total Well Depth (ft.) 10 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA		(6) Sealing Materials	
Lower Drillhole Diameter (in.) 2.25		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet		<input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	1 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	Inspector/County

Completing Well
 Noncompleting Work

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-28	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3, T. 6 N., R. 21 W. (If applicable)		Present Well Owner SAME	
Grid Location Gov't Lot _____ Grid Number _____	Street or Route 7525 WEST CARMFIELD AVE.		
City, State, Zip Code n. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ n. <input type="checkbox"/> E. <input type="checkbox"/> W. _____	City, State, Zip Code WEST ALLIS WI 53214		
Facility Well No. and/or Name (If Applicable) SB-28	WI Unique Well No. _____		
Street Address of Well 1960 67TH PLACE	Reason for Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOREHOLE		
City, Village WEST ALLIS	Date of Abandonment 09 JAN 07		

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	(4) Depth to Water (Feet)
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) SHELT PUSH	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing On Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Resrapped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 10 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Opened? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Shurry <input type="checkbox"/> Bentonite-Sand Shurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	61 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street & Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEORGETOWN WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-28	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 : T. 6 N.R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST ORCHFIELD AVE.	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) W/ Unique Well No. SB-28	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOARD	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Rock	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY
Total Well Depth (ft.) 10 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Created? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	1 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TRMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street & Route: **P O BOX 254** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

State of Wisconsin	County

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-29	County MILWAUKEE	Original Well Owner (if known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 , T. 6 N.R. 21 E. 4		Present Well Owner SAME	
(If applicable) Govt. Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (if applicable) SB-29	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORING	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth (ft.) 8	Casing Diameter (in.) NIA
(From ground surface)	Casing Depth (ft.) NIA
Lower Drillhole Diameter (in.) 2.25	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If Yes, To What Depth? NIA Feet	
(4) Depth to Water (Feet)	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If No, Explain NO CASING INSTALLED	
Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, Was Hole Recapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(5) Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
<input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
(6) Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	For monitoring wells and monitoring well boreholes only
<input type="checkbox"/> Sand-Cement (Concrete) Grout	
<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Pellets
<input type="checkbox"/> Clay-Sand Slurry	<input checked="" type="checkbox"/> Granular Bentonite
<input type="checkbox"/> Bentonite-Sand Slurry	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Chipped Bentonite	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Seals or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMED**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work
[Signature] Date Signed **21 FEB 07**

Street Address
P O BOX 856 Telephone Number **(262) 377-9060**

City, State, Zip Code
CEARBURG WI 53012

FOR DISTRICT OR COUNTY USE ONLY

	District/County
	Complying Well
	Noncomplying Well

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-30	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 : T. 6 N.R. 21 1/2 W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST ORCHFIELD AVE.	
Grid Location N <input type="checkbox"/> N <input type="checkbox"/> S. <input type="checkbox"/> R. <input type="checkbox"/> E <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-30	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite-Sand Slurry

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks, Seals, or Volume (Circle One)	Min Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	21 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **PO BOX 256** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **CEDARBURG WI 53012**

FOR DNR OR COUNTY USE ONLY

Noncomplying Work
 Changing Well
 Noncomplying Work

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-31	County MILWAUKEE	Original Well Owner (if known) CITY OF WEST ALLIS COA	
NU 14 of SE 14 of Sec. 3 : T. 6 N.; R. 21 E. W.		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (if applicable) SB-31	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dog <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Cement) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout		
Lower Drillhole Diameter (in.) 2.25	Was Well Annular Space Checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet		

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **LEOARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

<input type="checkbox"/> DNR District/Division <input type="checkbox"/> County/County Clerk	<input type="checkbox"/> County/County Clerk <input type="checkbox"/> Not Applicable
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All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-32	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
(If applicable) NW 1/4 of SE 1/4 of Sec. 3 : T. 6 N.; R. 21 W.		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-32	WI Unique Well No.
Street Address of Well 1960 67th PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORING	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		(4) Depth to Water (Feet)	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
Lower Drillhole Diameter (in.) 2.25		(6) Sealing Materials	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet		<input type="checkbox"/> Neat Cement Grout For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite	

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **PO BOX 256** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **GEARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date Rec'd. by DNR/County	District/County
Inspector's Name	Complying Work
	Non-complying Work

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-33	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
Present Well Owner SAME		Street or Route 7525 WEST GARDENFIELD AVE.	
(If applicable) Gov't Lot _____ Grid Number _____		City, State, Zip Code WEST ALLIS WI 53214	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ E. <input type="checkbox"/> E. <input type="checkbox"/> W. _____		Facility Well No. and/or Name (If Applicable) SB-33	
Civil Town Name _____		WI Unique Well No. _____	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Deep Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite-Sand Slurry		
Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25	Was Well Annular Space Created? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet		

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG	

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **CEARBURG WI 53012**

FOR DNR OR COUNTY USE ONLY

Approved
 Not Approved
 Pending

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-34	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 W.		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-34	
Street Address of Well 1960 67TH PLACE		WI Unique Well No. _____	
City, Village WEST ALLIS		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOND	
		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Reapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Boiler <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Non Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet		

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG	

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **CEDARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

SEA Project Management: _____ DNR/County: _____

_____ Compliance With National Pollutant Discharge _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-35	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 W. (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-35	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL EMULSIFICATION SOIL BOND	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(3) Original Well/Drillhole/Borehole Construction Completed On		(4) Depth to Water (Feet)	
		(Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DISCUT PUSH				Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Total Well Depth (ft.) 8 Casing Diameter (in.) N/A				If No, Explain NO CASING INSTALLED	
Casing Depth (ft.) N/A				Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lower Drillhole Diameter (in.) 2.25				Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Crouded? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, To What Depth? N/A Feet				If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
				(5) Required Method of Placing Sealing Material	
				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Dump Boiler <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
				(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
				<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite	
				<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite-Cement Grout	
				<input type="checkbox"/> Clay-Sand Slurry	
				<input type="checkbox"/> Bentonite-Sand Slurry	
				<input type="checkbox"/> Chipped Bentonite	

(7)	Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Seals, or Volume (Circle One)	Mix Ratio or Mud Weight
	GRANULAR BENTONITE	Surface	8	1 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **2/15/07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEORGBURG WI 53012**

FOR THE USE OF THE DNR OR COUNTY USE ONLY

Date Received/Approved	District/County
Compliance Checked	Compliance With Notations/Comments

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-36	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
(If applicable) NW 1/4 of SE 1/4 of Sec. 3 : T. 6 N. R. 21 42 W		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. A. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-36	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Knopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Trailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	21 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date of Inspection	District/County
Inspector	<input type="checkbox"/> Complying Well <input type="checkbox"/> Noncomplying Well
Inspector's Signature	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-37	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec 3 : T. 6 N.; R. 21 E. (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-37	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN.	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(3) Original Well/Drillhole/Borehole Construction Completed On		(4) Depth to Water (Feet)	
(Date) 09 JAN 07					
<input type="checkbox"/> Monitoring Well	Construction Report Available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well				Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Drillhole				Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Borehole				Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Construction Type:				If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH				Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type:				Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock			If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) 8	Casing Diameter (in.) NIA			(5) Required Method of Placing Sealing Material	
(From ground surface)	Casing Depth (ft.) NIA			<input type="checkbox"/> Conductor Pipe-Gravity	
Lower Drillhole Diameter (in.) 2.25				<input type="checkbox"/> Conductor Pipe-Pumped	
Was Well Annular Space Created? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If Yes, To What Depth? NIA Feet			<input type="checkbox"/> Dump Bailer	
				<input checked="" type="checkbox"/> Other (Explain) GRAVITY	
				(6) Sealing Materials	
				For monitoring wells and monitoring well boreholes only	
				<input type="checkbox"/> Neat Cement Grout	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout	
				<input type="checkbox"/> Concrete	
				<input type="checkbox"/> Clay-Sand Slurry	
				<input type="checkbox"/> Bentonite-Sand Slurry	
				<input type="checkbox"/> Chipped Bentonite	
				<input type="checkbox"/> Bentonite Pellets	
				<input checked="" type="checkbox"/> Granular Bentonite	
				<input type="checkbox"/> Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealer or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	1 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street & Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEORGETOWN WI 53012**

FOR DNR OR COUNTY USE ONLY

County: _____

City/Town/Village: _____

Comptroller: _____

Notary Public: _____

APPENDIX D

MONITORING WELL CONSTRUCTION DIAGRAMS

Facility/Project Name LINE PIT SITE		Local Grid Location of Well _____ N. _____ E. _____ W. _____		Well Name MW-15	
Facility License, Permit or Monitoring No. 241222520		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location _____ Long. _____ _____ Lat. _____		Well Unique Well No. DNR Well ID No.	
Type of Well Well Code 11 / MW		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 3, T. 6 N. R. 21 W.		Date Well Installed 01/10/2007	
Distance from Waste/Source 25 ft.		Location of Well Relative to Waste/Source a. <input type="checkbox"/> Upgradient b. <input type="checkbox"/> Sidgradient d. <input checked="" type="checkbox"/> Downgradient e. <input type="checkbox"/> Not Known		Well Installed By: Name (first, last) and Firm ADAM SWEET	

- A. Protective pipe, top elevation ----- ft. MSL
- B. Well casing, top elevation ----- ft. MSL
- C. Land surface elevation ----- ft. MSL
- D. Surface seal, bottom ----- ft. MSL or **1.0** ft.

12. USCS classification of soil near screen:
 GP GM GC OW SW SP
 SM SC ML MH CL CH
 Backfill

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary S B
 Hollow Stem Auger 1
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 02 None 03

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required):
NIA



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: **2.0** in.
 - b. Length: **1.0** ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal:
 - Bentonite 30
 - Concrete 01
 - Other
- 4. Material between well casing and protective pipe:
 - Bentonite 30
 - Other
- 5. Annular space (mat):
 - a. Granular/Chipped Bentonite 33
 - b. _____ (total wet weight) ... Bentonite-sand slurry 35
 - c. _____ (total wet weight) ... Bentonite slurry 31
 - d. _____ % Bentonite ... Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed:
 - Tremie 01
 - Tremie pumped 02
 - Gravity 03
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 a. _____
 b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
 a. _____
 b. Volume added _____ ft³
- 9. Well casing:
 - Flush threaded PVC schedule 40 21
 - Flush threaded PVC schedule 80 24
 - Other
- 10. Screen material: **PVC**
 - a. Screen type:
 - Factory cut 11
 - Continuous slot 01
 - Other
 - b. Manufacturer _____
 - c. Slot size: **0.010** in.
 - d. Slotted length: **10.0** ft.
- 11. Backfill material (below filter pack):
 - None T4
 - Other

- E. Bentonite seal, top ----- ft. MSL or **1.00**
- F. Fine sand, top ----- ft. MSL or **6.5** ft.
- G. Filter pack, top ----- ft. MSL or **7.5** ft.
- H. Annular joint, top ----- ft. MSL or **9.5** ft.
- I. Well bottom ----- ft. MSL or **19.5** ft.
- J. Filter pack, bottom ----- ft. MSL or **19.5** ft.
- K. Borehole, bottom ----- ft. MSL or **19.5** ft.
- L. Borehole, diameter **8.3** in.
- M. O.D. well casing **2.37** in.
- N. I.D. well casing **2.06** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: **J. A. Hosler** Firm: **TEMCO**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 150, 281, 283, 289, 294, 295, 297, 298, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 294, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and statute involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name LIME PIT SITE	Local Grid Location of Well R <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	Well Name MW-16
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____	Well Unique Well No. DNR Well ID No.
Facility ID 241222520	St. Plane D.N. _____ R.E. S/C/N _____	Date Well Installed 01/10/2007
Type of Well Well Code 11 / MW	Section Location of Well/Source NW 1/4 of SE 1/4 of Sec. 3, T. 6 N. R. 21 W.	Well Installed By: Name (first, last) and Firm MORRINE ENVIRONMENTAL
Distance from Waste/Source 20 ft	Location of Well Relative to Waste Source a <input type="checkbox"/> Upgradient b <input type="checkbox"/> Subgradient d <input type="checkbox"/> Downgradient e <input type="checkbox"/> Not Known	Gov. Lot Number AQAM SWEET

<p>A. Protective pipe, top elevation ----- ft. MSL</p> <p>B. Well casing, top elevation ----- ft. MSL</p> <p>C. Land surface elevation ----- ft. MSL</p> <p>D. Surface seal, bottom ----- ft. MSL or L.O.P.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> OW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Slurp analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required): N/A</p> </div> <p>E. Bentonite seal, top ----- ft. MSL or L.O.P.</p> <p>F. Fine sand, top ----- ft. MSL or 6.5 ft.</p> <p>G. Filter pack, top ----- ft. MSL or 7.5 ft.</p> <p>H. Screen joint, top ----- ft. MSL or 9.5 ft.</p> <p>I. Well bottom ----- ft. MSL or 19.5 ft.</p> <p>J. Filter pack, bottom ----- ft. MSL or 19.5 ft.</p> <p>K. Borehole, bottom ----- ft. MSL or 19.5 ft.</p> <p>L. Borehole, diameter 8.3 in.</p> <p>M. O.D. well casing 2.37 in.</p> <p>N. I.D. well casing 2.06 in.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 8.0 in. b. Length: 1.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ lbs/gal sand weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ lbs/gal sand weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ ft³ volume added for any of the above</p> <p>f. How installed: Tremie <input type="checkbox"/> 01 Trends pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 03</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size _____</p> <p>b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size _____</p> <p>b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 31 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> T1 Composite slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: 0.010 in. d. Slotted length: 1.0 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *John Hosler* Firm: **TEMCO**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 290, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 283, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

APPENDIX E

MONITORING WELL DEVELOPMENT FORMS

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-26	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 14 of SE 14 of Sec. 3 ; T. 6 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7535 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name	Facility Well No. and/or Name (If Applicable) SB-26	WI Unique Well No.	
Street Address of Well 1960 67TH PLACE	Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOARD		
City, Village WEST ALLIS	Date of Abandonment 09 JAN 07		

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dog <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) 10 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet		

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Cubic One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	1 BAG		

(8) Contractor: MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 256** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **GEORGBURG WI 53012**

FOR DRILLER OR COUNTY USE ONLY

Drilled/Grout:

Completed Well:

Not Completed:

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-27	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 ; T. 6 N. R. 21 E. 2 W (If applicable)		Former Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-27	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRT PUSH	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth (ft.) 10 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A	
Lower Drillhole Diameter (in.) 2.25	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	
(4) Depth to Water (Feet)	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retrapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(5) Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
(6) Sealing Materials	
For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Semi-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealed, or Volume	(Circle One)	Min Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	1 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMLO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Inspected by: _____

Complying Well? Non-complying Well?

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-28	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 : T. 6 N.; R. 21 E. (If applicable)		Present Well Owner SAME	
City/Lot WEST ALLIS	Grid Number	Street or Route 7525 WEST CARRIFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S., E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-28	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason for Abandonment ENVIRONMENTAL INVESTIGATION SOIL CORN.	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	<input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth (ft.) 10 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA	
Lower Drillhole Diameter (in.) 2.25	
Was Well Annular Space Grouted? If Yes, To What Depth? NIA	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Feet
(4) Depth to Water (Feet)	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Recapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(5) Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
(6) Sealing Materials	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Shurry <input type="checkbox"/> Bentonite-Sand Shurry <input type="checkbox"/> Chipped Bentonite	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	21 BAG		

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-28	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 : T. 6 N.R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST ORCHFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. A. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) W/ Unique Well No. SB-28	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOARD	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 10 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY
(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealer or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	10	21 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TRMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **J. D. Bosh** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **GEORGETOWN WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

State Representative	District/County

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-29	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 , T. 6 N. 2. 21 E. 1		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ R. <input type="checkbox"/> E. <input type="checkbox"/> W. _____		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-29	WI Unique Well No. _____
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORING	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Recapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA	Lower Drillhole Diameter (in.) 2.25	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet			

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealers or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG		

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBMITTED TO TREC

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **J. A. Bosler** Date Signed: **21 FEB 07**

Street or P.O. Box: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

FOR TOWN OR COUNTY USE ONLY	
Personnel Inspector	District/County
Complying Work	<input type="checkbox"/>
Noncomplying Work	<input type="checkbox"/>

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-30	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 14 of SE 14 of Sec. 3 : T. 6 N. R. 21		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST URBENFIELD AVE.	
Grid Location N <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> R <input type="checkbox"/> E <input type="checkbox"/> W <input type="checkbox"/>		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-30	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealed or Volume	(Circle One)	M/A Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	1 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street & Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

FOR DNR OR COUNTY USE ONLY

_____ District/County _____

_____ Complying Well Noncomplying Well

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-31	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
(If applicable) NW 1/4 of SE 1/4 of Sec. 3 T. 6 N.; R. 21 W.		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-31	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORING	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY
(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Cement) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Seabags or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street & Address: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-32	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 W.		Present Well Owner SAME	
(If applicable) Grid Location Corr't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-32	
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INSTABILITY SOIL BORER	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A	
Lower Drillhole Diameter (in.) 2.25	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	
(4) Depth to Water (Feet)	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(5) Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
(6) Sealing Materials	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG		

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 256** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date of Inspection: _____ District/County: _____

Inspector: _____

Completed Well: Non-Applicable:

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-33	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
(If applicable) NW 1/4 of SE 1/4 of Sec. 3 : T. 6 N. R. 21 E. W		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST WAGENFELD AVE.	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-33	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOUND	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Seal After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Hailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet			

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume	(Cask One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	41 BAG		

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **LEOARBURG WI 53012**

FOR DNR OR COUNTY USE ONLY

	District/County

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-34	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 E. N		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST ORCHFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-34	WI Unique Well No. _____
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BOND.	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Reaugered? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRTLET PUSH	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Non Cement Grout <input type="checkbox"/> Sand Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout		
Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA	Lower Drillhole Diameter (in.) 2.25		
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet			

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	21 BAG		

(8) Comments: MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **(262) 377-9060**

City, State, Zip Code: **CEDARBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: _____ District/County: _____

Inspected by: _____

Remarks: _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-35	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 W. (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/>	E. <input type="checkbox"/> E. <input type="checkbox"/> W. <input type="checkbox"/>	City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name	Facility Well No. and/or Name (If Applicable) SB-35	WI Unique Well No.	
Street Address of Well 1960 67TH PLACE	Reason For Abandonment ENVIRONMENTAL EMUSITATION SOIL BORN		
City, Village WEST ALLIS	Date of Abandonment 09 JAN 07		

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIAGET PUSH	(4) Depth to Water (Feet) Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Line(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 8 Casing Diameter (in.) N/A (From ground surface) Casing Depth (ft.) N/A Lower Drillhole Diameter (in.) 2.25 Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY
(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite-Sand Slurry	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	1 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street & Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEORGETOWN WI 53012**

FOR THE DRINK OR COUNTY USE ONLY

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-36	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NW 1/4 of SE 1/4 of Sec. 3 ; T. 6 N.; R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner SAME	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ A. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) SB-36	WI Unique Well No. _____
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL CORN.	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lines(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	Screens Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) DIRECT PUSH		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If No, Explain NO CASING INSTALLED
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Total Well Depth (ft.) 8 Casing Diameter (in.) N/A Casing Depth (ft.) N/A	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Lower Drillhole Diameter (in.) 2.25	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? N/A Feet	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No
		(5) Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Hailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite	

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	21 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBCONTRACTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: **[Signature]** Date Signed: **21 FEB 07**

Street or Route: **P O BOX 856** Telephone Number: **262 377-9060**

City, State, Zip Code: **GEORGBURG WI 53012**

(10) FOR DNR OR COUNTY USE ONLY

Date of Inspection: _____ District/County: _____

Inspector: _____ Completing Work Noncompleting Work

Inspector's Signature: _____

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location SB-37	County MILWAUKEE	Original Well Owner (If Known) CITY OF WEST ALLIS COA	
NU 1/4 of SE 1/4 of Sec. 3 : T. 6 N. R. 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner SAME	
Gov't Lot	Grid Number	Street or Route 7525 WEST GREENFIELD AVE.	
Grid Location N. <input type="checkbox"/> N. <input type="checkbox"/> S. E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code WEST ALLIS WI 53214	
Civil Town Name		Facility Well No. and/or Name (If Applicable) SB-37	WI Unique Well No.
Street Address of Well 1960 67TH PLACE		Reason For Abandonment ENVIRONMENTAL INVESTIGATION SOIL BORN	
City, Village WEST ALLIS		Date of Abandonment 09 JAN 07	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth of Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 09 JAN 07		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain NO CASING INSTALLED	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dig <input checked="" type="checkbox"/> Other (Specify) DIAGNOSTIC PUSH		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) GRAVITY	
Total Well Depth (ft.) 8 Casing Diameter (in.) NIA (From ground surface) Casing Depth (ft.) NIA		(6) Sealing Materials	
Lower Drillhole Diameter (in.) 2.25		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? NIA Feet		<input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Cementer Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Material Used To Fill Well/Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealed or Volume (Circle One)	Mix Ratio or Mud Weight
GRANULAR BENTONITE	Surface	8	1 BAG	

(8) Comments: **MORaine ENVIRONMENTAL, INC. SUBMITTED TO TEMCO**

(9) Name of Person or Firm Doing Sealing Work
MORaine ENVIRONMENTAL, INC.

Signature of Person Doing Work: *[Signature]* Date Signed: **21 FEB 07**

Street or Route: **P O BOX 256** Telephone Number: **262 377-9060**

City, State, Zip Code: **COARBURG WI 53012**

FOR DNR OR COUNTY USE ONLY

Date of Abandonment	County

APPENDIX F

USEPA SOIL SCREENING GUIDANCE DATA



Waste and Cleanup Risk Assessment

You are here: [EPA Home](#) | [OSWER](#) | [Waste and Cleanup Risk Assessment](#) | [Databases and Tools](#) | [Soil Screening Guidance for Chemicals \(SSG\)](#)

http://rais.ornl.gov/cgi-bin/epa/ssl2.cgi

[SSG Home](#)

[SSG Search](#)

Soil Screening Guidance for Chemicals

Equation Values for Ingestion

Noncarcinogenic Parameter	Value	Carcinogenic Age-adjusted Parameter	Value	Carcinogenic Nonadjusted Parameter	Value
Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6	Target Risk (unitless)	1.0E-6
Body Weight (kg)	15	Adult Body Weight (kg)	70	Body Weight (kg)	70
		Child Body Weight (kg)	15		
Exposure Duration (yr)	6	Adult Exposure Duration (yr)	24	Exposure Duration (yr)	25
		Child Exposure Duration (yr)	6		
Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	250
Intake Rate (mg/day)	200	Adult Intake Rate (mg/day)	100	Intake Rate (mg/day)	50
		Child Intake Rate (mg/day)	200		
		Average Lifetime (yr)	70	Average Lifetime (yr)	70
		Age-adjusted Ingestion Factor (mg-yr/kg-day)	114.29		

Soil Screening Levels for Ingestion (mg/kg)

Analyte	Cas Number	Oral RfD	Oral Slope Factor	Noncarcinogenic	Carcinogenic (Age-adjusted)	Carcinogenic (Nonadjusted)
Tetrachloroethylene	127184	1.00E-02 ^a	5.20E-02 ^b	7.82E+02	1.23E+01	1.10E+02

Equation Values for Inhalation of Fugitive Dust

Particulate Emission Factor Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5	Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Chicago(VII)	Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m ² -s per kg/m ³)	98.43071	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction of vegetative cover (unitless)	0.5			Average Lifetime (yr)	70
Mean annual windspeed (m/s)	4.65				
Equivalent threshold value of windspeed at 7m (m/s)	11.32				
Function dependent on U _w /U _t (unitless)	0.182				

Soil Screening Levels for Inhalation of Fugitive Dust (mg/kg)

Analyte	Cas Number	Inhalation RfC	Inhalation Unit Risk	Particulate Emission Factor	Noncarcinogenic	Carcinogenic
Tetrachloroethylene	127184	6.00E-01 ^b	5.8E-07 ^b	1.56E+09	9.76E+08	6.55E+06

Equation Values for Inhalation of Volatiles

Volatilization Factor Parameter	Value	Soil Saturation Concentration Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5			Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Chicago(VII)			Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m ² -s per kg/m ³)	98.43071			Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction organic carbon (unitless)	0.006	Fraction organic carbon (unitless)	0.006			Average Lifetime (yr)	70
Dry soil bulk density (g/cm ³)	1.5	Dry soil bulk density (g/cm ³)	1.5				
Soil particle density (g/cm ³)	2.65	Soil particle density (g/cm ³)	2.65				
Water-filled soil porosity (L _{water} /L _{soil})	0.15	Water-filled soil porosity (L _{water} /L _{soil})	0.15				
Exposure Interval (s)	9.5e08						

Soil Screening Levels for Inhalation of Volatiles (mg/kg)

Analyte	Cas Number	Inhalation RFC	Inhalation Unit Risk	Volatilization Factor	Soil Saturation Concentration	Noncarcinogenic	Carcinogenic
Tetrachloroethylene	127184	6.0E-01	5.8E-07	3.6E+03	2.3E+02	2.3E+03	1.5E+01

Equation Values for Soil to Ground Water

Partitioning Equation Parameter	Value
Dilution factor (unitless)	20
Fraction organic carbon in soil (unitless)	0.002
Water-filled soil porosity (L_{water}/L_{soil})	0.3
Dry soil bulk density (kg/L)	1.5
Soil particle density (kg/L)	2.65

Soil Screening Levels for Soil to Ground Water (mg/kg)

Analyte	Cas Number	Ground Water Concentration* (mg/L)	Ground Water Concentration Source	Soil Screening Level
Tetrachloroethylene	127184	1.0E-01	MCL	5.8E-02

*Ground Water Concentration=Ground Water Concentration Source × Dilution Factor

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Waste and Cleanup Risk Assessment

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Soil Screening Guidance for Chemicals

Equation Values for Ingestion

Noncarcinogenic Parameter	Value	Carcinogenic Age-adjusted Parameter	Value	Carcinogenic Nonadjusted Parameter	Value
Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6	Target Risk (unitless)	1.0E-6
Body Weight (kg)	15	Adult Body Weight (kg)	70	Body Weight (kg)	70
		Child Body Weight (kg)	15		
Exposure Duration (yr)	6	Adult Exposure Duration (yr)	24	Exposure Duration (yr)	25
		Child Exposure Duration (yr)	6		
Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	250
Intake Rate (mg/day)	200	Adult Intake Rate (mg/day)	100	Intake Rate (mg/day)	50
		Child Intake Rate (mg/day)	200		
		Average Lifetime (yr)	70	Average Lifetime (yr)	70
		Age-adjusted Ingestion Factor (mg-yr/kg-day)	114.29		

Soil Screening Levels for Ingestion (mg/kg)

Analyte	Cas Number	Oral RFD	Oral Slope Factor	Noncarcinogenic	Carcinogenic (Age-adjusted)	Carcinogenic (Nonadjusted)
Tetrachloroethylene	127184	1.00E-02 ^a	5.20E-02 ^b	7.82E+02	1.23E+01	1.10E+02

Equation Values for Inhalation of Fugitive Dust

Particulate Emission Factor Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5	Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Chicago(VII)	Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m ² -s per kg/m ³)	98.43071	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction of vegetative cover (unitless)	0.5			Average Lifetime (yr)	70
Mean annual windspeed (m/s)	4.65				
Equivalent threshold value of windspeed at 7m (m/s)	11.32				
Function dependent on U _m /U _t (unitless)	0.182				

Soil Screening Levels for Inhalation of Fugitive Dust (mg/kg)

Analyte	Cas Number	Inhalation RFC	Inhalation Unit Risk	Particulate Emission Factor	Noncarcinogenic	Carcinogenic
Tetrachloroethylene	127184	6.00E-01 ^b	5.8E-07 ^b	1.56E+09	9.76E+08	6.55E+06

Equation Values for Inhalation of Volatiles

Volatilization Factor Parameter	Value	Soil Saturation Concentration Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5			Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Chicago(VII)			Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m ² -s per kg/m ³)	98.43071			Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction organic carbon (unitless)	0.006	Fraction organic carbon (unitless)	0.006			Average Lifetime (yr)	70
Dry soil bulk density (g/cm ³)	1.5	Dry soil bulk density (g/cm ³)	1.5				
Soil particle density (g/cm ³)	2.65	Soil particle density (g/cm ³)	2.65				
Water-filled soil porosity (L _{water} /L _{soil})	0.15	Water-filled soil porosity (L _{water} /L _{soil})	0.15				
Exposure interval (s)	9.5e08						

Soil Screening Levels for Inhalation of Volatiles (mg/kg)

Analyte	Cas Number	Inhalation RFC	Inhalation Unit Risk	Volatilization Factor	Soil Saturation Concentration	Noncarcinogenic	Carcinogenic
Tetrachloroethylene	127184	6.0E-01	5.8E-07	3.6E+03	2.3E+02	2.3E+03	1.5E+01

Equation Values for Soil to Ground Water

Partitioning Equation Parameter	Value
Dilution factor (unitless)	20
Fraction organic carbon in soil (unitless)	0.002
Water-filled soil porosity (L_{water}/L_{soil})	0.3
Dry soil bulk density (kg/L)	1.5
Soil particle density (kg/L)	2.65

Soil Screening Levels for Soil to Ground Water (mg/kg)

Analyte	Cas Number	Ground Water Concentration* (mg/L)	Ground Water Concentration Source	Soil Screening Level
Tetrachloroethylene	127184	1.0E-01	MCL	5.8E-02

*Ground Water Concentration=Ground Water Concentration Source X Dilution Factor

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