Updated
Phase II Environmental Site Assessment
66**-6709 West National Avenue and
6737 West National Avenue
West Allis, Wisconsin

September 2009

Prepared For
City of West Allis
Community Development Authority

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

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SECTION 1 GENERAL INFORMATION

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

66** - 6709 West National Avenue
6737 West National Avenue
West Allis, Wisconsin 53214

Legal Description

The above referenced properties, collectively the site, are legally described as follows:

- 67** West National Avenue

  Part of the northeast ¼ of section 3, town 6 north, range 21 east, in the City of West Allis, County of Milwaukee and state of Wisconsin bounded and described as follows: beginning at a point 304.92 feet east of the west line and 1073.06 feet south of the north line of said ¼ section; running thence east on a line parallel to the north line of said ¼ section 60 feet to a point; thence north on a line parallel to the west line of said ¼ section, 173.17 feet to the center of West National Avenue; thence south 65[1' west along the center line of West National Avenue, 66.16 feet to a point 304.92 feet east of the west line of said ¼ section; thence south on a line parallel to the west line of said ¼ section, 146.41 feet to the place of beginning.

- 6709 West National Avenue

  Lot 2, in block 2 in Central Improvement Company's Subdivision number 3, being a subdivision of part of the northeast ¼ of section 3, township 6 north, range 21 east, in the City of West Allis, Milwaukee County, Wisconsin.

- 6737 West National Avenue

  Lot 3 in block 2 in Assessor's Plat No. 269, being a part of the northwest ¼, northeast ¼ and southeast ¼ of section 3, in township 6 north, range 21 east, in the City of West Allis, County of Milwaukee, State of Wisconsin.

General Description

The site is located along the south side of West National Avenue in the City of West Allis. The site is split in two parts by a railroad spur which lies north-south along the South 67th Street right-of-way.

The site is bordered on the north by West National Avenue, the former Pressed Steel Tank plant property (east side) and a grocery mega-store and parking lot (west side). It is bordered on the east by the former multi-tenant industrial site. The site is bordered on the south by the former multi-tenant industrial site (east side) and Milwaukee Ductile Iron Co. (west side). It is bordered on the west by Perfect Screw Products Co. A railroad spur runs north-south between the east and west sides of the site. All of the property northeast, east, and southeast of the site, as well as the east one-half of the site itself, is part of the Six Points / Farmers Market Redevelopment Project. All former structures on these properties have been razed in the past several years and site remediation, where required, has been completed. These properties will be redeveloped into a high-density mixture of retail, commercial, and residential uses. The western one-half of the site is not included in the Six Points / Farmers Market redevelopment Project, however, the former National Salvage building has been demolished and the site prepared for future redevelopment.

1.3 Consulting Firm and Contractor Information

Consulting Firm

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

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

Contractors

North Shore Drilling Inc.

P.O. Box 255
Grafton, WI 53024-0255

Phone: 262-375-8121
Service: Soil probing

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

Phone: 262-377-9060
Service: Soil probing

U.S. Analytical Lab
1090 Kennedy Avenue
Kimberly, WI 54136

Phone: 800-490-4902
Service: Laboratory analysis of soil samples

Synergy Environmental Lab, Inc.
1990 Prospect Court
Appleton, WI 54914

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

Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Phone: 920-459-2500
Service: Asbestos assessment

SECTION 2 BACKGROUND INFORMATION

2.1 Regional Geologic and Groundwater Conditions

The regional geology in which the Six Points / Farmers Market Redevelopment Project is located consists of approximately 200 feet of glacial sediments overlying sedimentary bedrock. The glacial sediments are primarily ground moraine and till. These deposits are generally composed of a clay and/or silt matrix with varying amounts of entrained sand and gravel. They are often interbedded with sediment deposited by glacial meltwaters, which locally results in seams and lenses of sand and fine gravel.

Shallow native soils in the vicinity of the project are primarily silty clay. Due to historic local land filling practices and the industrial heritage of the project area, it is anticipated that shallow fill is present at many locations in the project area. The fill typically consists of mixtures of clay, silt, and sand, and may include debris such as brick, concrete and wood. Slag and cinder-like materials, foundry sand, and flyash may be present in some locations. Fill consistency may vary from loose to very hard and dense.

2.2 Site History and Land Use

The east side of the site was occupied by a tavern until 1935 when the property was sold and converted to metal scrap and salvage operations which continuously occupied the site until 2005. The west side of the site was continuously operated as a metal scrap and salvage operation from 1945, the earliest records available, until 2005.

2.3 Potential Contaminant Sources

The Phase I ESA of the site conducted by TEMCO in December 2001 identified various potential soil and groundwater contaminant sources associated with past and current facilities and uses of the site and surrounding properties:

- The presence of a former closed in-place 8,000-gallon gasoline UST near the west side of the former building located at 6633 - 6639 West National Avenue. This UST was located near the east side of the site and was topographically upgradient of the site.

- The former presence of a fuel storage and supply company, and use of heating oil at 6635 and 6639 West National Avenue. This property was east of the site and is topographically upgradient of the site.

- The former presence of an oil supply and service station at 6701 West National Avenue.

This property was located adjacent to the east side (upgradient) of the site.

- The former long-term presence of salvage and scrapyard storage and operations on the site.
- The former presence of the Pressed Steel Tank (PST) plant north of the site across West National Avenue.

SECTION 3 OBJECTIVES AND SCOPE OF WORK

3.1 Objectives

The objectives of the Phase II ESA included:

- Characterization of on-site soil and shallow groundwater conditions.
- Verification of the presence or absence of various contaminants potentially on-site as a result of discharge from the sources described in Section 2.3.
- Development of recommendations for additional site investigation, if required.
- Evaluation of the need for site remediation considering soil and groundwater cleanup criteria and site redevelopment plans. Determination of the most appropriate site remediation alternatives, conceptual plan, and cost estimate.
- Assessment of on-site asbestos containing building materials to provide the basis for competitive bidding of asbestos removal by asbestos abatement contractors.

3.2 Scope of Work

The principal elements of the Phase II ESA scope of work completed by TEMCO to address the Phase II ESA objectives included:

- Development of a soil boring and sampling plan designed to assess shallow subsurface conditions and collect soil samples in the following on-site areas:
  - The northeastern area of the site comprising the area downgradient from the closed in-place 8,000-gallon gasoline UST, and the area formerly occupied by Cities Fuel & Supply Co. and supply and service sation, all of which were located on the east side and upgradient of the site.
  - At locations adjacent to the rail spur right-of-way and throughout the operational areas of the salvage / scrapyard businesses formerly present on the site.
- Installation and logging of fourteen(14) geoprobe soil borings in the above listed areas ranging in depth from four to twelve feet below ground surface (bgs).
- Laboratory analysis of twelve(12) soil samples for the range of contaminants associated with the potential contaminant sources described in Section 2.2.
- Completion of an assessment of asbestos containing building materials in each of the former

on-site buildings.

- Preparation of this Phase II ESA report, describing field activities, the laboratory analytical program and results, and interpretation of the field and laboratory data. Laboratory analytical results for the soil samples are summarized in the Tables section and laboratory analytical reports are provided as Appendix A. Site figures, including site location, soil boring plan, and contaminant distribution, are included in the Figures section. Soil boring logs are provided as Appendix B. Soil boring abandonment forms are provided as Appendix C. The asbestos assessment report is provided as Appendix D.

SECTION 4 FIELD AND LABORATORY PROGRAM

4.1 Soil Borings

Prior to soil boring and sampling, on-site and near off-site utilities were located and marked. On July 16, 2002, 12 soil borings were drilled at the locations shown in Figure 1. Soil boring W-8 and W-9 were drilled and sampled on October 19, 2004. The borings were drilled by direct push using a truck mounted Geoprobe drill rig. 2.0 inch diameter, 4 feet long hollow steel sampling tubes with plastic liners were driven in 4 feet increments by hydraulic pressure and percussion to total depths ranging from 4 feet to 12 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 located by measuring from the various on-site buildings and property boundaries. Soil borings were abandoned in accordance with WAC NR141 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.

4.2 Soil 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 to address the Phase II ESA objectives outlined in Section 3.1:

- All soil samples with the exception of the sample collected from boring W-5 were analyzed for Volatile Organic Compounds (VOC) and Diesel Range Organics (DRO). These analyses were selected to characterize the petroleum hydrocarbon contamination observed in soil samples collected from the northeastern part of the site and as the most likely indicators of potential discharges associated with long term use of the site for salvage/ scrapyard operations.

- The soil sample from boring E-1 was analyzed for Polyaromatic Hydrocarbon (PAH) to determine the levels of these contaminants associated with the petroleum contamination present in the northeastern part of the site. Similarly, the soil sample from boring W-5 was analyzed for PAH to determine the level of these contaminants associated with the foundry sand layer observed at this location. The soil sample collected from boring W-9 was analyzed for PAH to determine the level of these contaminants associated with potential

release(s) from salvage operations. The sample was collected from the shallow clay fill above the foundry sand layer.

SECTION 5 FINDINGS AND CONCLUSIONS

- The site is relatively flat and slopes gently to the west and south. The direction of shallow groundwater migration in the northeastern part of the site is likely controlled by the surface topography, i.e. to the west and southwest.

- The site is filled with a mixture of silty clay, gravel, and crushed stone with minor amounts of foundry sand from beneath the asphalt or concrete pavement (or ground surface) to a depth of approximately 2 feet bgs. In the eastern part of the site, the fill below this depth generally consists of silty clay with varying amounts of sand and gravel to a depth of approximately 6.0 bgs. The fill from 6.0 feet bgs to 7.5 bgs varies from dark stained silty clay with sand and gravel to foundry sand and typically has a petroleum odor. Soils below 7.5' bgs in the eastern part of the site generally appear to be native silty clay glacial till and are free of staining and petroleum odor. The shallow groundwater level in the eastern part of the site was encountered between 6.0 and 7.0 feet bgs, generally consistent with the top of the discolored soil zone in which petroleum odor was observed.

  The upper portion of the fill in the western part of the site is the same as in the eastern part of the site. The foundry sand, which was encountered primarily in the southern part of the property, was present in the depth interval from 2.0 to 4.0 feet bgs, dependent on boring locations. Soils below 4.0 feet bgs throughout the property appeared to be native silty clay till with minor amounts of sand and gravel and were typically very dense. The foundry sand generally exhibited slight petroleum odor. Groundwater was not encountered in any of the borings, which extended to 8.0 feet bgs.

- The zone of gasoline sourced soil contamination is shown in Figure 2. Potential contaminant sources include 1) the closed-in-place 8,000-gallon gasoline UST formerly located east of the site on a former industrial property, and 2) a former service station reported to have been located in the northern part of the contaminated zone adjacent to National Avenue. The lateral and vertical distribution of petroleum contamination in shallow soils suggests gasoline leakage from former UST systems and gradual development of a groundwater contaminant plume which migrated with shallow groundwater to the southwest. The bulk of the groundwater contaminant plume is located on the adjacent property to the east of the site, although the plume extends into the northeastern part of the site.

- The soil contaminant mass derived from the gasoline discharge is contained in the depth interval from 6 feet to 9 feet bgs in the northeastern part of the site. This is the “smear zone” which is saturated (below the groundwater table) most of the time. Soil contaminant levels in this area resulting from former petroleum releases are very low (Tables 1, 2 and 3).

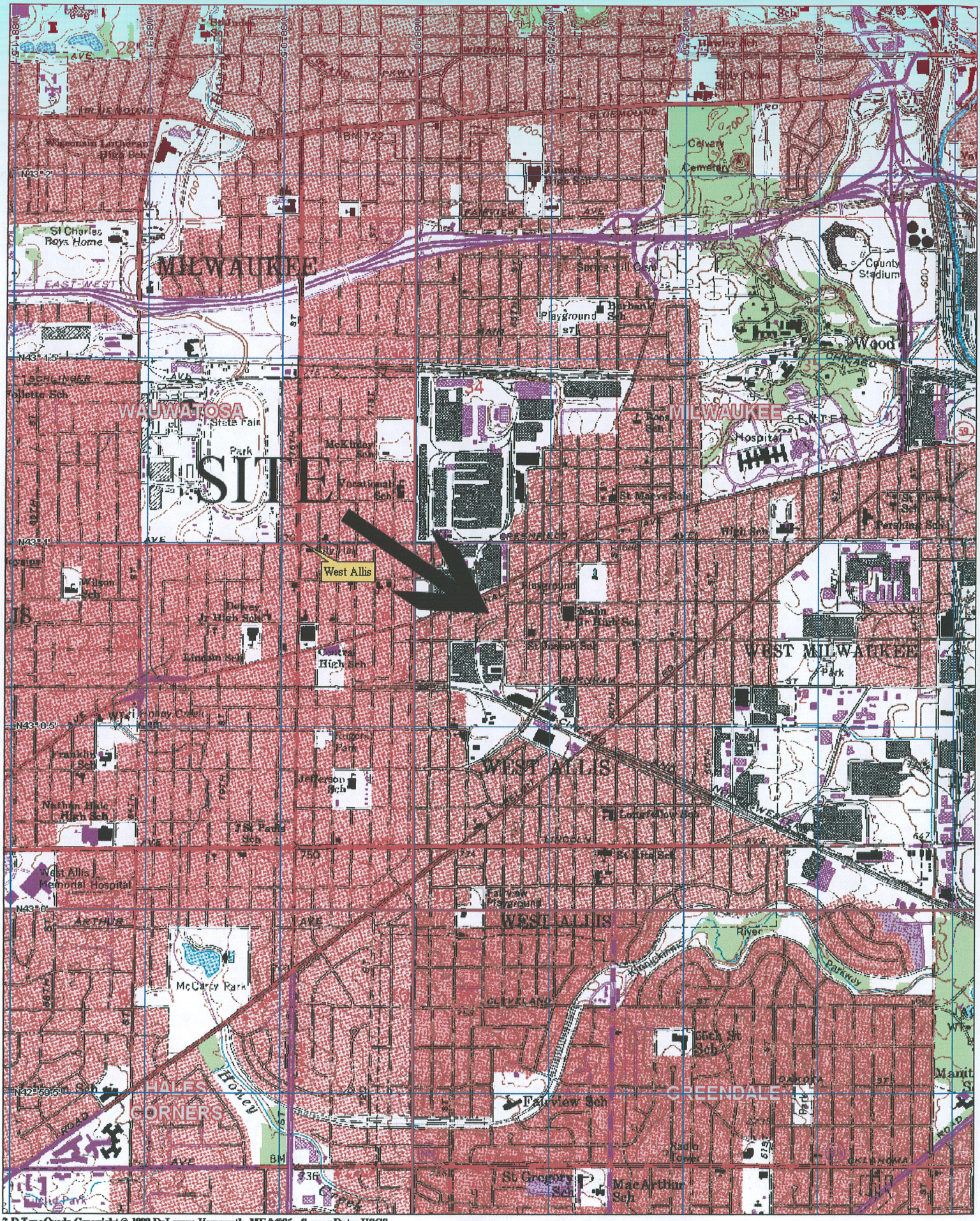
- Petroleum derived contamination encountered in the western part of the site is associated with the oil binder present in foundry sand and occurred at relatively low levels.

- Site remediation (petroleum contaminated soil excavation and off-site bio-treatment / disposal) was completed in the eastern one-half of the site, following razing of former on-site structures, in May 2006. Site remediation is reported in detail in the Site Remediation Report for the 700 series properties of the Six Point / Farmers Market Redevelopment Project issued by TEMCO in September 2009. Remaining low level residual petroleum contamination in the shallow subsurface in the eastern one-half of the site will be managed on-site or removed to off-site treatment / disposal during site redevelopment.

Subsurface contamination in the shallow subsurface in the western one-half of the site is primarily limited to low levels of PAH compounds and DRO associated with the foundry sand present at the locations of these soil samples (W-4 and W-5). The higher level of DRO and the low level detection of benzene in the shallow soil sample collected from boring W-8 are likely sourced from diesel fuel release(s) on the adjacent railroad spur right-of-way.

The subsurface contamination database developed for the western one-half of the site is sufficient to support future redevelopment planning. The contaminant types and levels identified can be managed on-site during redevelopment or removed to off-site treatment/disposal if required by the redevelopment plan.

FIGURES



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS

750 ft Scale: 1 : 25,000 Detail: 13-0 Datum: WGS84

CONTAMINANT		RCL
BEN	BENZENE	0.0055
DRO	DIESEL RANGE ORGANICS	100

PAH CONTAMINANT- NI-DC		RCL
B(a)A	BENZO (a) ANTHRACENE	0.088
B(a)P	BENZ (a) PYRENE	0.0088
B(b)F	BENZO (b) FLUORANTHENE	0.088
B(k)F	BENZO (k) FLUORANTHENE	0.88
D(a,h)A	DIBENZ (a,h) ANTHRACENE	0.0088
I(1)P	INDENO (1,2,3-cd) PYRENE	0.088
PHEN	PHENANTHRENE	18

ALL CONTAMINANTS REPORTED IN MILLIGRAMS PER KILOGRAM

ONLY CONTAMINANT LEVELS ABOVE RESIDUAL CONTAMINANT LEVELS SHOWN

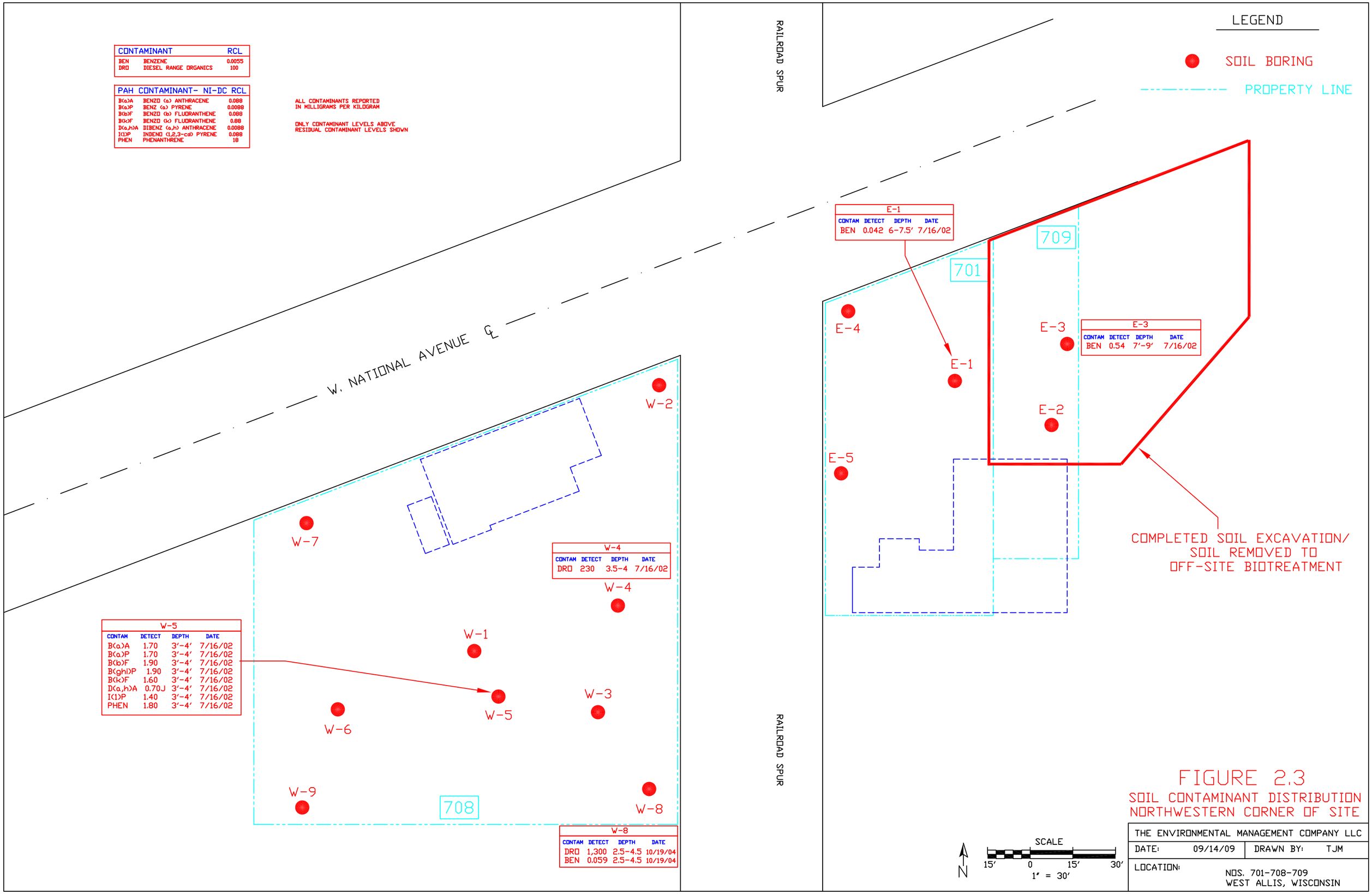


FIGURE 2.3

SOIL CONTAMINANT DISTRIBUTION
NORTHWESTERN CORNER OF SITE

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC			
DATE:	09/14/09	DRAWN BY:	TJM
LOCATION:	NOS. 701-708-709 WEST ALLIS, WISCONSIN		

TABLES

Table 1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Property #701-708-709 ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram) • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	n-Butyl benzene	1,2-DCA	cis-1,2-DCE	trans-1,2-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropy ltoluene	Methy lene chloride	Naph thalene	n–Propyl benzene	Toluene	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xylenes
E-1	7/16/02	6-7.5	***0.042***	<0.025	<0.025	<0.025	<0.025	0.034	<0.025	<0.025	<0.025	<0.025	<0.025	0.059	<0.025	0.025[J]	<0.025	<0.025	<0.050
E-2	7/16/02	6 - 7	<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	<0.050
E-3	7/16/02	7 - 9	***0.54***	<0.025	<0.025	<0.025	<0.025	0.10	0.038	<0.025	<0.025	0.053	0.110	0.031	<0.025	0.025[J]	0.033	<0.025	0.096
E-4	7/16/02	6 - 7	<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	<0.050
E-5	7/16/02	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	<0.050
W-2	7/16/02	6 - 7	<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	<0.050
W-3	7/16/02	2.5-3.5	<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	<0.050
W-4	7/16/02	3.5-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.110	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
W-6	7/16/02	1.5-2.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
W-8	10/19/04	2.5-4.5	**0.059**	0.027	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.057	<0.025	0.033	<0.025	<0.025	<0.025	<0.025	<0.050
W-9	10/19/04	3.5-4.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.047	<0.025	<0.025	0.043	<0.025	<0.025	<0.025	<0.025	<0.050
Residual Contaminant Levels			0.0055	-	0.0049	-	-	2.9	-	-	-	0.4†	-	1.5	-	-	-	-	4.1

† = recommended RCL bold & outlined = exceeds RCL [J] = Analyte detected between LOD and LOQ

November 18, 2004

Table 2
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Diesel Range Organics (DRO)
Property #701-708-709 ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)
E-1	07/16/02	6 - 7.5	<10
E-2	07/16/02	6 - 7	<10
E-3	07/16/02	7 - 9	<10
E-4	07/16/02	6 - 7	<10
E-5	07/16/02	5 - 6	<10
W-2	07/16/02	6 - 7	<10
W-3	07/16/02	2.5 - 3.5	<10
W-4	07/16/02	3.5 - 4	***230***
W-6	07/16/02	1.5 - 2.5	<10
W-8	10/19/04	2.5 - 4.5	**1,300**
W-9	10/19/04	3.5 - 4.5	71
Residual Contaminant Level (RCL)			***100***

bgs = below ground surface bold & outlined = exceeds RCL November 18, 2004

Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Polyaromatic Hydrocarbons (PAH)
Property #701-708-709 ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	E-1 6' - 7.5' 07/16/02	W-5 3' - 4' 07/16/02	W-9 3.5' - 4.5' 10/19/04	Recommended Residual Contaminant Levels		
				Ground water Pathway[1]	Non-Industrial	Industrial
Acenaphthene	<0.041	<0.21	<0.041	38	900	60000
Acenaphthylene	<0.042	0.24[J]	<0.042	0.7	18	360
Anthracene	0.037[J]	0.69	<0.034	3000	5000	300000
Benzo (a) anthracene	<0.054	***1.70***	<0.054	17	0.088	3.9
Benz (a) pyrene	<0.059	***1.70***	<0.059	48	0.0088	0.39
Benzo (b) fluoranthene	<0.042	***1.90***	<0.042	360	0.088	3.9
Benzo (ghi) perylene	<0.082	***1.90***	<0.082	6800	1.8	39
Benzo (k) fluoranthene	<0.079	***1.60***	<0.079	870	0.88	39
Chrysene	0.043[J]	2.70	<0.038	37	8.8	390
Dibenz (a,h) anthracene	<0.076	***0.70[J]***	<0.076	38	0.0088	0.39
Fluoranthene	0.089[J]	1.90	0.064[J]	500	600	40000
Fluorene	<0.041	0.37[J]	<0.041	100	600	40000
Indeno (1,2,3-cd) pyrene	<0.069	***1.40***	<0.069	680	0.088	3.9
1-Methyl naphthalene	0.073[J]	0.24[J]	<0.037	23	1100	70000
2-Methyl naphthalene	0.085[J]	<0.36	<0.072	20	600	40000
Naphthalene	0.068[J]	0.27[J]	<0.040	0.4	20	110
Phenanthrene	0.160	***1.80***	0.048[J]	1.8	18	390
Pyrene	0.084[J]	3.50	0.071[J]	8700	500	30000

[1] = for protection of groundwater [J] = detected between LOD & LOQ
bold & outlined = exceeds one or more of the recommended residual contaminant levels

November 18, 2004

APPENDIX A

LABORATORY ANALYTICAL RESULTS

U.S. Analytical Lab

J L HOSLER
TEMCO
PO BOX 856
CEDARBURG WI 53012

Project # NONE
Project Name WEST ALLIS PROPERTY
Invoice # E41891

Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891A						**Sample Type** Soil			
Sample ID E-1 6-7.5						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	78.5	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/26/2002	DRO95	DJM	1
PAH's									
Acenaphthene	< 41	ug/kg	41	130	1	7/29/2002	M8270	DJM	1
Acenaphthylene	< 42	ug/kg	42	130	1	7/29/2002	M8270	DJM	1
Anthracene	37 "J"	ug/kg	34	110	1	7/29/2002	M8270	DJM	1
Benzo(a)anthracene	< 54	ug/kg	54	170	1	7/29/2002	M8270	DJM	1
Benzo(a)pyrene	< 59	ug/kg	59	190	1	7/29/2002	M8270	DJM	1
Benzo(b)fluoranthene	< 42	ug/kg	42	130	1	7/29/2002	M8270	DJM	1
Benzo(g,h,i)perylene	< 82	ug/kg	82	260	1	7/29/2002	M8270	DJM	1
Benzo(k)fluoranthene	< 79	ug/kg	79	250	1	7/29/2002	M8270	DJM	1
Chrysene	43 "J"	ug/kg	38	120	1	7/29/2002	M8270	DJM	1
Dibenzo(a,h)anthracene	< 76	ug/kg	76	240	1	7/29/2002	M8270	DJM	1
Fluoranthene	89 "J"	ug/kg	42	130	1	7/29/2002	M8270	DJM	1
Fluorene	< 41	ug/kg	41	130	1	7/29/2002	M8270	DJM	1
Indeno(1,2,3-cd)pyrene	< 69	ug/kg	69	220	1	7/29/2002	M8270	DJM	1
1-Methyl naphthalene	73 "J"	ug/kg	37	120	1	7/29/2002	M8270	DJM	1
2-Methyl naphthalene	85 "J"	ug/kg	72	230	1	7/29/2002	M8270	DJM	1
Naphthalene	68 "J"	ug/kg	40	130	1	7/29/2002	M8270	DJM	1
Phenanthrene	160	ug/kg	20	62	1	7/29/2002	M8270	DJM	1
Pyrene	84 "J"	ug/kg	58	190	1	7/29/2002	M8270	DJM	1
VOC's									
Benzene	42	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/23/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/23/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1

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Report Date *02-Aug-02*

Lab Code 5041891A
Sample ID E-1 6-7.5
Sample Type Soil
Sample Date 7/16/2002

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/23/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/23/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/23/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/23/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/23/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/23/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/23/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/23/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/23/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/23/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/23/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/23/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/23/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/23/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/23/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/23/2002	8260B	CJR	1
Ethylbenzene	34	ug/kg	7.4	23	1	7/23/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/23/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/23/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/23/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/23/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/23/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/23/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/23/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/23/2002	8260B	CJR	1
Toluene	59	ug/kg	8.8	28	1	7/23/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/23/2002	8260B	CJR	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891A						**Sample Type** Soil			
Sample ID E-1 6-7.5						**Sample Date** 7/16/2002			
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/23/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/23/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	25 "J"	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/23/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/23/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/23/2002	8260B	CJR	1
Lab Code 5041891B						**Sample Type** Soil			
Sample ID E-2 6-7						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	74.5	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/26/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/23/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/23/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/23/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/23/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/23/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/23/2002	8260B	CJR	1

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Lab Code 5041891B
Sample ID E-2 6-7
Sample Type Soil
Sample Date 7/16/2002

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/23/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/23/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/23/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/23/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/23/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/23/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/23/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/23/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/23/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/23/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/23/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/23/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/23/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/23/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/23/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/23/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/23/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/23/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/23/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/23/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/23/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/23/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/23/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/23/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/23/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891B						**Sample Type** Soil			
Sample ID E-2 6-7						**Sample Date** 7/16/2002			
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/23/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/23/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/23/2002	8260B	CJR	1
Lab Code 5041891C						**Sample Type** Soil			
Sample ID E-3 7-9						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	78.6	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/26/2002	DRO95	DJM	1
VOC's									
Benzene	540	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/23/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/23/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/23/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/23/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/23/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/23/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/23/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/23/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/23/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/23/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/23/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/23/2002	8260B	CJR	1

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Lab Code 5041891C
Sample ID E-3 7-9
Sample Type Soil
Sample Date 7/16/2002

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/23/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/23/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/23/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/23/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/23/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/23/2002	8260B	CJR	1
Ethylbenzene	100	ug/kg	7.4	23	1	7/23/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/23/2002	8260B	CJR	1
Isopropylbenzene	38	ug/kg	8	26	1	7/23/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/23/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/23/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/23/2002	8260B	CJR	1
Naphthalene	53	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
n-Propylbenzene	110	ug/kg	8.6	27	1	7/23/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/23/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/23/2002	8260B	CJR	1
Toluene	31	ug/kg	8.8	28	1	7/23/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/23/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/23/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/23/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	25 "J"	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	33	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/23/2002	8260B	CJR	1
m&p-Xylene	57	ug/kg	13	41	1	7/23/2002	8260B	CJR	1
o-Xylene	39	ug/kg	4.2	13	1	7/23/2002	8260B	CJR	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891D						**Sample Type** Soil			
Sample ID E-4 6-7						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	84.1	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/26/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/23/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/23/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/23/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/23/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/23/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/23/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/23/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/23/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/23/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/23/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/23/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/23/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/23/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/23/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/23/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/23/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/23/2002	8260B	CJR	1

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Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891D						**Sample Type** Soil			
Sample ID E-4 6-7						**Sample Date** 7/16/2002			
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/23/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/23/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/23/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/23/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/23/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/23/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/23/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/23/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/23/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/23/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/23/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/23/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/23/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/23/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/23/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/23/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/23/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/23/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/23/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/23/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/23/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/23/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/23/2002	8260B	CJR	1
Lab Code 5041891E						**Sample Type** Soil			
Sample ID E-5 5-6						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	83.5	%			1	7/22/2002	5021	AJV	1
Organic									
General									

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Lab Code 5041891E						**Sample Type** Soil			
Sample ID E-5 5-6						**Sample Date** 7/16/2002			
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/26/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/24/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/24/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/24/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/24/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/24/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/24/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/24/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/24/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/24/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/24/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/24/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/24/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/24/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/24/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/24/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/24/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/24/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/24/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/24/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/24/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/24/2002	8260B	CJR	1

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Lab Code 5041891E						**Sample Type** Soil			
Sample ID E-5 5-6						**Sample Date** 7/16/2002			
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/24/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/24/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/24/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/24/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/24/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/24/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/24/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/24/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/24/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/24/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/24/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/24/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/24/2002	8260B	CJR	1
Lab Code 5041891F						**Sample Type** Soil			
Sample ID W-2 6-7						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	86.4	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/27/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/24/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1

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Lab Code 5041891F						**Sample Type** Soil			
Sample ID W-2 6-7						**Sample Date** 7/16/2002			
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/24/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/24/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/24/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/24/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/24/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/24/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/24/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/24/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/24/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/24/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/24/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/24/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/24/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/24/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/24/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/24/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/24/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/24/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/24/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/24/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/24/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/24/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/24/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/24/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/24/2002	8260B	CJR	1

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Lab Code 5041891F						**Sample Type** Soil			
Sample ID W-2 6-7						**Sample Date** 7/16/2002			
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/24/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/24/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/24/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/24/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/24/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/24/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/24/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/24/2002	8260B	CJR	1
Lab Code 5041891G						**Sample Type** Soil			
Sample ID W-3 2.5-3.5						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	81.3	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/27/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/24/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/24/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/24/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/24/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/24/2002	8260B	CJR	1

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Lab Code 5041891G						**Sample Type** Soil			
Sample ID W-3 2.5-3.5						**Sample Date** 7/16/2002			
Chloromethane	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/24/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/24/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/24/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/24/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/24/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/24/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/24/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/24/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/24/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/24/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/24/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/24/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/24/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/24/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/24/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/24/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/24/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/24/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/24/2002	8260B	CJR	1
Naphthalene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/24/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/24/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/24/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/24/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/24/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/24/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1

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Project # NONE
Project Name WEST ALLIS PROPERTY
Invoice # E41891

Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891G						**Sample Type** Soil			
Sample ID W-3 2.5-3.5						**Sample Date** 7/16/2002			
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/24/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/24/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/24/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/24/2002	8260B	CJR	1
Lab Code 5041891H						**Sample Type** Soil			
Sample ID W-4 3.5-4.0						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	90.7	%			1	7/22/2002	5021	AJV	1
Organic									
General									
Diesel Range Organics	230	mg/kg	22	72	10	7/27/2002	DRO95	DJM	1 44
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/24/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/24/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/24/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/24/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/24/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/24/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/24/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/24/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/24/2002	8260B	CJR	1

U.S. Analytical Lab

J L HOSLER
TEMCO
PO BOX 856
CEDARBURG WI 53012

Project # NONE
Project Name WEST ALLIS PROPERTY
Invoice # E41891

Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891H						**Sample Type** Soil			
Sample ID W-4 3.5-4.0						**Sample Date** 7/16/2002			
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/24/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/24/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/24/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/24/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/24/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/24/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/24/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/24/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/24/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/24/2002	8260B	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/24/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/24/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/24/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/24/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/24/2002	8260B	CJR	1
Naphthalene	110	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/24/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/24/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/24/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/24/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/24/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/24/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/24/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/24/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/24/2002	8260B	CJR	1

U.S. Analytical Lab

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Project # NONE
Project Name WEST ALLIS PROPERTY
Invoice # E41891

Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891H						**Sample Type** Soil			
Sample ID W-4 3.5-4.0						**Sample Date** 7/16/2002			
o-Xylene	< 25	ug/kg	4.2	13	1	7/24/2002	8260B	CJR	1
Lab Code 5041891I						**Sample Type** Soil			
Sample ID W-5 3-4						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	82.9	%			1	7/22/2002	5021	AJV	1
Organic									
PAH's									
Acenaphthene	< 210	ug/kg	210	650	5	7/26/2002	M8270	DJM	1
Acenaphthylene	240 "J"	ug/kg	210	650	5	7/26/2002	M8270	DJM	1
Anthracene	690	ug/kg	170	550	5	7/26/2002	M8270	DJM	1
Benzo(a)anthracene	1700	ug/kg	270	850	5	7/26/2002	M8270	DJM	1
Benzo(a)pyrene	1700	ug/kg	300	1000	5	7/26/2002	M8270	DJM	1
Benzo(b)fluoranthene	1900	ug/kg	210	650	5	7/26/2002	M8270	DJM	1
Benzo(g,h,i)perylene	1900	ug/kg	410	1300	5	7/26/2002	M8270	DJM	1
Benzo(k)fluoranthene	1600	ug/kg	400	1300	5	7/26/2002	M8270	DJM	1
Chrysene	2700	ug/kg	190	600	5	7/26/2002	M8270	DJM	1
Dibenzo(a,h)anthracene	700 "J"	ug/kg	380	1200	5	7/26/2002	M8270	DJM	1
Fluoranthene	1900	ug/kg	210	650	5	7/26/2002	M8270	DJM	1
Fluorene	370 "J"	ug/kg	210	650	5	7/26/2002	M8270	DJM	1
Indeno(1,2,3-cd)pyrene	1400	ug/kg	350	1100	5	7/26/2002	M8270	DJM	1
1-Methyl naphthalene	240 "J"	ug/kg	190	600	5	7/26/2002	M8270	DJM	1
2-Methyl naphthalene	< 360	ug/kg	360	1200	5	7/26/2002	M8270	DJM	1
Naphthalene	270 "J"	ug/kg	200	650	5	7/26/2002	M8270	DJM	1
Phenanthrene	1800	ug/kg	100	310	5	7/26/2002	M8270	DJM	1
Pyrene	3500	ug/kg	290	1000	5	7/26/2002	M8270	DJM	1
Lab Code 5041891J						**Sample Type** Soil			
Sample ID W-6 1.5-2.5						**Sample Date** 7/16/2002			
Inorganic									
General									
Solids Percent	85.4	%			1	7/22/2002	5021	AJV	1

U.S. Analytical Lab

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Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891J						**Sample Type** Soil			
Sample ID W-6 1.5-2.5						**Sample Date** 7/16/2002			
Organic									
General									
Diesel Range Organics	< 10	mg/kg	2.2	7.2	1	7/27/2002	DRO95	DJM	1
VOC's									
Benzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
Bromobenzene	< 25	ug/kg	8.5	27	1	7/24/2002	8260B	CJR	1
Bromodichloromethane	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
tert-Butylbenzene	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
sec-Butylbenzene	< 25	ug/kg	7.4	24	1	7/24/2002	8260B	CJR	1
n-Butylbenzene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
Carbon Tetrachloride	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Chlorobenzene	< 25	ug/kg	7.7	24	1	7/24/2002	8260B	CJR	1
Chloroethane	< 25	ug/kg	9	29	1	7/24/2002	8260B	CJR	1
Chloroform	< 25	ug/kg	5.9	19	1	7/24/2002	8260B	CJR	1
Chloromethane	< 25	ug/kg	6.5	21	1	7/24/2002	8260B	CJR	1
2-Chlorotoluene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
4-Chlorotoluene	< 25	ug/kg	5.8	18	1	7/24/2002	8260B	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	20	62	1	7/24/2002	8260B	CJR	1
Dibromochloromethane	< 25	ug/kg	4.3	14	1	7/24/2002	8260B	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	6.2	20	1	7/24/2002	8260B	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	6.4	20	1	7/24/2002	8260B	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	4.9	15	1	7/24/2002	8260B	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	22	69	1	7/24/2002	8260B	CJR	1
1,2-Dichloroethane	< 25	ug/kg	7.8	25	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethane	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,1-Dichloroethene	< 25	ug/kg	10	30	1	7/24/2002	8260B	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	7.2	23	1	7/24/2002	8260B	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
1,2-Dichloropropane	< 25	ug/kg	4.7	15	1	7/24/2002	8260B	CJR	1
2,2-Dichloropropane	< 25	ug/kg	11	36	1	7/24/2002	8260B	CJR	1
1,3-Dichloropropane	< 25	ug/kg	5.5	17	1	7/24/2002	8260B	CJR	1
Di-isopropyl ether	< 25	ug/kg	6.7	21	1	7/24/2002	8260B	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	5.3	17	1	7/24/2002	8260B	CJR	1
Ethylbenzene	< 25	ug/kg	7.4	23	1	7/24/2002	8260B	CJR	1

U.S. Analytical Lab

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CEDARBURG WI 53012

Project # NONE
Project Name WEST ALLIS PROPERTY
Invoice # E41891

Report Date *02-Aug-02*

Analyte	Result	Units	LOD	LOQ	Dil	Run Date	Method	Analyst	QC Code
Lab Code 5041891J						**Sample Type** Soil			
Sample ID W-6 1.5-2.5						**Sample Date** 7/16/2002			
Hexachlorobutadiene	< 25	ug/kg	17	54	1	7/24/2002	8260B	CJR	1
Isopropylbenzene	< 25	ug/kg	8	26	1	7/24/2002	8260B	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.8	22	1	7/24/2002	8260B	CJR	1
Methylene chloride	< 25	ug/kg	7.9	25	1	7/24/2002	8260B	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.4	27	1	7/24/2002	8260B	CJR	1
Naphthalene	27	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
n-Propylbenzene	< 25	ug/kg	8.6	27	1	7/24/2002	8260B	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	5.2	17	1	7/24/2002	8260B	CJR	1
Tetrachloroethene	< 25	ug/kg	9.2	29	1	7/24/2002	8260B	CJR	1
Toluene	< 25	ug/kg	8.8	28	1	7/24/2002	8260B	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	8	25	1	7/24/2002	8260B	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.3	26	1	7/24/2002	8260B	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	6.3	20	1	7/24/2002	8260B	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	10	31	1	7/24/2002	8260B	CJR	1
Trichlorofluoromethane	< 25	ug/kg	18	57	1	7/24/2002	8260B	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.2	26	1	7/24/2002	8260B	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	5.6	18	1	7/24/2002	8260B	CJR	1
Vinyl Chloride	< 25	ug/kg	10	33	1	7/24/2002	8260B	CJR	1
m&p-Xylene	< 50	ug/kg	13	41	1	7/24/2002	8260B	CJR	1
o-Xylene	< 25	ug/kg	4.2	13	1	7/24/2002	8260B	CJR	1

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

Code	*Comment*
1	All laboratory QC requirements were met for this sample.
44	Chromatogram indicates possible lube oil contamination.

Authorized Signature Christine Miller

CHAIN OF CUSTODY RECORD

A[illegible]ytical Lab
1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Re[illegible]le: 9-[illegible]

Chain # No 13745

Page 1 of 2

Lab I.D. # 5041891

Account No. : Quote No.: 7273

Project #:

Sampler: (signature) J L Hosler

Sample Integrity - To be completed by receiving lab.
Method of Shipment : Canis Temp. of Temp. Blank. ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No Labcoded By: GW

Project (Name / Location): WEST ALLIS PROPERTY NOS. 701-708-709

Reports To: J. L. HOSLER Invoice To: SAME
Company TEMCO Company
Address P.O. BOX 856 Address
City State Zip CEDAR BURG WI 53012 City State Zip
Phone 262-675-6206 Phone

Sample Handling Request
___ Rush Analysis
Date Required ____
✓ Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	VOC (EPA 8260)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis					PID/ FID
A	E-1 6-7.5	7-16			S	NONE	✓					✓		✓								
B	E-2 6-7						✓					✓										
C	E-3 7-9						✓					✓										
D	E-4 6-7						✓					✓										
E	E-5 5-6						✓					✓										
F	W-2 6-7						✓					✓										
G	W-3 2.5-3.5						✓					✓										
H	W-4 3.5-4.0						✓					✓										
I	W-5 3-4													✓								

Department Use Only
Split Samples: Offered ? ____ Yes ____ No
Accepted? ____ Yes ____ No
Accepted By: ____

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

Department Use Optional for Soil Samples
Disposition of unused portion of sample
Lab Should:
____ Dispose ____ Retain for ____ days
____ Return ____ Other

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
J L Hosler	17JUL02	11:15	Geo Huss	11:15	7-17-02
Geo Huss	5:20	7-17-02			

Received in Laboratory By: Amy K Schmidt Time: 17:20 Date: 7/17/02

CHAIN OF CUSTODY RECORD

A lytical Lab

1090 Kennedy Ave. • Kimberly, WI 54136
(920) 735-8295 • FAX 920-739-1738 • 800-490-4902
LAB@USOIL.COM

Rev. Date: 9-09-98

Chain # No 13744

Page 2 of 2

Lab I.D. # 5041891

Account No. :

Quote No.: 7273

Project #:

Sampler: (signature)

Sample Integrity - To be completed by receiving lab.
Method of Shipment : Courier Temp. of Temp. Blank. ____ °C On Ice: X
Cooler seal intact upon receipt: Y Yes ____ No Labcoded By: GW

Project (Name / Location): WEST ALLIS PROPERTY MOS. 701-708-709

Reports To:	Invoice To:
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone

Sample Handling Request

___ Rush Analysis
Date Required ____

___ Normal Turn Around

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	No. of Containers Size and Type	Description*	Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	VOC (EPA 8260)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis					PID/ FID
J	W-6 1.5-2.5	7-16			S	NONE	✓					✓										

Department Use Only

Split Samples: Offered ? ____ Yes ____ No
Accepted? ____ Yes ____ No
Accepted By: ____

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

Department Use Optional for Soil Samples

Disposition of unused portion of sample
Lab Should:
____ Dispose ____ Retain for ___ days
____ Return ____ Other

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
[illegible]	17JUL02	11:15	Leo Hass	11:15	7/17/02
Leo Hass	5:20	7-17-02			

Received in Laboratory By: Amy K Schmidt Time: 17:20 Date: 7/17/02

6633-6634 W National Ave - West Allis, WI

CHAIN OF CUSTODY RECORD

4-18-05 JB

Chain # № 3274

Page 1 of 1

Synergy Environmental Lab, LLC.

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

Sample Handling Request
___ Rush Analysis Date Required ___
(Rushes accepted only with prior authorization)
✓ Normal Turn Around

Lab I.D. #
Account No. : | Quote No.:
Project #:
Sampler: (signature) J L Hosler
Project (Name / Location): COWA - 100 & 700 SITES

Reports To: JEFF HOSLER	Invoice To:
Company TEMCO	Company CITY OF WEST ALLIS
Address P.O. BOX 856	Address 7525 W. GREENFIELD AVE.
City State Zip CEDARBURG WI 53012	City State Zip WEST ALLIS, WI 53214
Phone 262-675-6206	Phone
FAX 262-675-6170	FAX

Analysis Requested

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	PVOC (EPA 8021)	VOC (EPA 8260)	VOC DW (EPA 524.2)	PAH (EPA 8270)	Total Suspended Solids	Lead	RCRA METALS	PID/FID
50/1158A	SB-8 5.5-6.5	10/19		100		N	2	S	—	✓									
" B	SB-9 4-6			100			3		METH	✓			✓						
" C	SB-13 0.5-1.0			100			3			✓			✓						
" D	SB-20 3.5-4.0			705			3			✓			✓						
" E	SB-20 5-6			705			2		—						✓			✓	
" F	SB-21 2.5-4.0			705			3		METH	✓			✓						
" G	W-8 2.5-4.5			70189			3		"	✓			✓						
" H	W-9 3.5-4.5			70189			3		"	✓			✓		✓				

Other Analysis

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

SEND INVOICE TO TEMCO

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Durham
Temp. of Temp. Blank ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
J L Hosler		20 OCT 04	PS	4:00	10/20

Received in Laboratory By: [signature] Time: 8:00 AM Date: 10/21/04

Project Name COWA-100 & 700 SITES **Invoice #** E11158
Project #

Lab Code 5011158F
Sample ID SB-21, 2.5-4.0
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
1,1,1,2-Tetrachloroethane	< 25	ug/kg	17	55	1	8260B	10/26/2004	CJR	1
Tetrachloroethene	< 25	ug/kg	19	59	1	8260B	10/26/2004	CJR	1
Toluene	< 25	ug/kg	5.5	18	1	8260B	10/26/2004	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	13	41	1	8260B	10/26/2004	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.8	28	1	8260B	10/26/2004	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	6.8	22	1	8260B	10/26/2004	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	8.7	28	1	8260B	10/26/2004	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	13	40	1	8260B	10/26/2004	CJR	1
Trichlorofluoromethane	< 25	ug/kg	6	19	1	8260B	10/26/2004	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.6	27	1	8260B	10/26/2004	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	3.8	12	1	8260B	10/26/2004	CJR	1
Vinyl Chloride	< 25	ug/kg	9.6	31	1	8260B	10/26/2004	CJR	1
m&p-Xylene	< 50	ug/kg	16	52	1	8260B	10/26/2004	CJR	1
o-Xylene	< 25	ug/kg	7.9	25	1	8260B	10/26/2004	CJR	1

Lab Code 5011158G
Sample ID W-8, 2.5-4.5
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	83.3	%			1	5021	10/21/2004	CJR	1
Organic									
General									
Diesel Range Organics	1300	mg/kg	7.2	23	20	DRO95	10/23/2004	MJR	1 43
VOC's									
Benzene	59	ug/kg	6.6	21	1	8260B	10/22/2004	CJR	1
Bromobenzene	< 25	ug/kg	11	35	1	8260B	10/22/2004	CJR	1
Bromodichloromethane	< 25	ug/kg	8.5	27	1	8260B	10/22/2004	CJR	1
Bromoform	< 25	ug/kg	19	60	1	8260B	10/22/2004	CJR	1
tert-Butylbenzene	< 25	ug/kg	11	35	1	8260B	10/22/2004	CJR	1
sec-Butylbenzene	< 25	ug/kg	12	37	1	8260B	10/22/2004	CJR	1
n-Butylbenzene	27	ug/kg	6.7	21	1	8260B	10/22/2004	CJR	1
Carbon Tetrachloride	< 25	ug/kg	8.3	26	1	8260B	10/22/2004	CJR	1
Chlorobenzene	< 25	ug/kg	7.5	24	1	8260B	10/22/2004	CJR	1
Chloroethane	< 25	ug/kg	10	32	1	8260B	10/22/2004	CJR	1
Chloroform	< 25	ug/kg	13	41	1	8260B	10/22/2004	CJR	1
Chloromethane	< 25	ug/kg	15	49	1	8260B	10/22/2004	CJR	1
2-Chlorotoluene	< 25	ug/kg	9.5	30	1	8260B	10/22/2004	CJR	1
4-Chlorotoluene	< 25	ug/kg	7.3	23	1	8260B	10/22/2004	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	24	75	1	8260B	10/22/2004	CJR	1
Dibromochloromethane	< 25	ug/kg	7.1	23	1	8260B	10/22/2004	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	8.9	28	1	8260B	10/22/2004	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	10	33	1	8260B	10/22/2004	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	11	34	1	8260B	10/22/2004	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	7	22	1	8260B	10/22/2004	CJR	1
1,2-Dichloroethane	< 25	ug/kg	13	40	1	8260B	10/22/2004	CJR	1
1,1-Dichloroethane	< 25	ug/kg	11	34	1	8260B	10/22/2004	CJR	1
1,1-Dichloroethene	< 25	ug/kg	9.9	32	1	8260B	10/22/2004	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	20	65	1	8260B	10/22/2004	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	12	38	1	8260B	10/22/2004	CJR	1
1,2-Dichloropropane	< 25	ug/kg	5.4	17	1	8260B	10/22/2004	CJR	1

Project Name COWA-100 & 700 SITES **Invoice #** E11158
Project #

Lab Code 5011158G
Sample ID W-8, 2.5-4.5
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
2,2-Dichloropropane	< 25	ug/kg	14	45	1	8260B	10/22/2004	CJR	1
1,3-Dichloropropane	< 25	ug/kg	10	32	1	8260B	10/22/2004	CJR	1
Di-isopropyl ether	< 25	ug/kg	5.9	19	1	8260B	10/22/2004	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	12	40	1	8260B	10/22/2004	CJR	1
Ethylbenzene	< 25	ug/kg	6.2	20	1	8260B	10/22/2004	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	55	1	8260B	10/22/2004	CJR	1
Isopropylbenzene	< 25	ug/kg	5.9	19	1	8260B	10/22/2004	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.1	19	1	8260B	10/22/2004	CJR	1
Methylene chloride	< 25	ug/kg	11	36	1	8260B	10/22/2004	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.7	28	1	8260B	10/22/2004	CJR	1
Naphthalene	57	ug/kg	7.8	25	1	8260B	10/22/2004	CJR	1
n-Propylbenzene	< 25	ug/kg	5.6	18	1	8260B	10/22/2004	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	7.4	23	1	8260B	10/22/2004	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	17	55	1	8260B	10/22/2004	CJR	1
Tetrachloroethene	< 25	ug/kg	19	59	1	8260B	10/22/2004	CJR	1
Toluene	33	ug/kg	5.5	18	1	8260B	10/22/2004	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	13	41	1	8260B	10/22/2004	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.8	28	1	8260B	10/22/2004	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	6.8	22	1	8260B	10/22/2004	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	8.7	28	1	8260B	10/22/2004	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	13	40	1	8260B	10/22/2004	CJR	1
Trichlorofluoromethane	< 25	ug/kg	6	19	1	8260B	10/22/2004	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.6	27	1	8260B	10/22/2004	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	3.8	12	1	8260B	10/22/2004	CJR	1
Vinyl Chloride	< 25	ug/kg	9.6	31	1	8260B	10/22/2004	CJR	1
m&p-Xylene	< 50	ug/kg	16	52	1	8260B	10/22/2004	CJR	1
o-Xylene	< 25	ug/kg	7.9	25	1	8260B	10/22/2004	CJR	1

Lab Code 5011158H
Sample ID W-9, 3.5-4.5
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
General									
General									
Solids Percent	78.6	%			1	5021	10/26/2004	MJR	1
Organic									
General									
Diesel Range Organics	71	mg/kg	0.72	2.3	1	DRO95	10/24/2004	MJR	1 43
PAH's									
Acenaphthene	< 41	ug/kg	41	130	1	M8270	11/1/2004	MJR	1
Acenaphthylene	< 42	ug/kg	42	130	1	M8270	11/1/2004	MJR	1
Anthracene	< 34	ug/kg	34	110	1	M8270	11/1/2004	MJR	1
Benzo(a)anthracene	< 54	ug/kg	54	170	1	M8270	11/1/2004	MJR	1
Benzo(a)pyrene	< 59	ug/kg	59	190	1	M8270	11/1/2004	MJR	1
Benzo(b)fluoranthene	< 42	ug/kg	42	130	1	M8270	11/1/2004	MJR	1
Benzo(g,h,i)perylene	< 82	ug/kg	82	260	1	M8270	11/1/2004	MJR	1
Benzo(k)fluoranthene	< 79	ug/kg	79	250	1	M8270	11/1/2004	MJR	1
Chrysene	< 38	ug/kg	38	120	1	M8270	11/1/2004	MJR	1
Dibenzo(a,h)anthracene	< 76	ug/kg	76	240	1	M8270	11/1/2004	MJR	1
Fluoranthene	64 "J"	ug/kg	42	130	1	M8270	11/1/2004	MJR	1
Fluorene	< 41	ug/kg	41	130	1	M8270	11/1/2004	MJR	1
Indeno(1,2,3-cd)pyrene	< 69	ug/kg	69	220	1	M8270	11/1/2004	MJR	1

Project Name COWA-100 & 700 SITES **Invoice #** E11158
Project #

Lab Code 5011158H
Sample ID W-9, 3.5-4.5
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
1-Methyl naphthalene	< 37	ug/kg	37	120	1	M8270	11/1/2004	MJR	1
2-Methyl naphthalene	< 72	ug/kg	72	230	1	M8270	11/1/2004	MJR	1
Naphthalene	< 40	ug/kg	40	130	1	M8270	11/1/2004	MJR	1
Phenanthrene	48 "J"	ug/kg	20	62	1	M8270	11/1/2004	MJR	1
Pyrene	71 "J"	ug/kg	58	190	1	M8270	11/1/2004	MJR	1
VOC's									
Benzene	< 25	ug/kg	6.6	21	1	8260B	10/26/2004	CJR	1
Bromobenzene	< 25	ug/kg	11	35	1	8260B	10/26/2004	CJR	1
Bromodichloromethane	< 25	ug/kg	8.5	27	1	8260B	10/26/2004	CJR	1
Bromoform	< 25	ug/kg	19	60	1	8260B	10/26/2004	CJR	1
tert-Butylbenzene	< 25	ug/kg	11	35	1	8260B	10/26/2004	CJR	1
sec-Butylbenzene	< 25	ug/kg	12	37	1	8260B	10/26/2004	CJR	1
n-Butylbenzene	< 25	ug/kg	6.7	21	1	8260B	10/26/2004	CJR	1
Carbon Tetrachloride	< 25	ug/kg	8.3	26	1	8260B	10/26/2004	CJR	1
Chlorobenzene	< 25	ug/kg	7.5	24	1	8260B	10/26/2004	CJR	1
Chloroethane	< 25	ug/kg	10	32	1	8260B	10/26/2004	CJR	1
Chloroform	< 25	ug/kg	13	41	1	8260B	10/26/2004	CJR	1
Chloromethane	< 25	ug/kg	15	49	1	8260B	10/26/2004	CJR	1
2-Chlorotoluene	< 25	ug/kg	9.5	30	1	8260B	10/26/2004	CJR	1
4-Chlorotoluene	< 25	ug/kg	7.3	23	1	8260B	10/26/2004	CJR	1
1,2-Dibromo-3-chloropropane	< 25	ug/kg	24	75	1	8260B	10/26/2004	CJR	1
Dibromochloromethane	< 25	ug/kg	7.1	23	1	8260B	10/26/2004	CJR	1
1,4-Dichlorobenzene	< 25	ug/kg	8.9	28	1	8260B	10/26/2004	CJR	1
1,3-Dichlorobenzene	< 25	ug/kg	10	33	1	8260B	10/26/2004	CJR	1
1,2-Dichlorobenzene	< 25	ug/kg	11	34	1	8260B	10/26/2004	CJR	1
Dichlorodifluoromethane	< 25	ug/kg	7	22	1	8260B	10/26/2004	CJR	4
1,2-Dichloroethane	< 25	ug/kg	13	40	1	8260B	10/26/2004	CJR	1
1,1-Dichloroethane	< 25	ug/kg	11	34	1	8260B	10/26/2004	CJR	1
1,1-Dichloroethene	< 25	ug/kg	9.9	32	1	8260B	10/26/2004	CJR	1
cis-1,2-Dichloroethene	< 25	ug/kg	20	65	1	8260B	10/26/2004	CJR	1
trans-1,2-Dichloroethene	< 25	ug/kg	12	38	1	8260B	10/26/2004	CJR	1
1,2-Dichloropropane	< 25	ug/kg	5.4	17	1	8260B	10/26/2004	CJR	1
2,2-Dichloropropane	< 25	ug/kg	14	45	1	8260B	10/26/2004	CJR	1
1,3-Dichloropropane	< 25	ug/kg	10	32	1	8260B	10/26/2004	CJR	1
Di-isopropyl ether	< 25	ug/kg	5.9	19	1	8260B	10/26/2004	CJR	1
EDB (1,2-Dibromoethane)	< 25	ug/kg	12	40	1	8260B	10/26/2004	CJR	1
Ethylbenzene	< 25	ug/kg	6.2	20	1	8260B	10/26/2004	CJR	1
Hexachlorobutadiene	< 25	ug/kg	17	55	1	8260B	10/26/2004	CJR	1
Isopropylbenzene	< 25	ug/kg	5.9	19	1	8260B	10/26/2004	CJR	1
p-Isopropyltoluene	< 25	ug/kg	6.1	19	1	8260B	10/26/2004	CJR	1
Methylene chloride	47	ug/kg	11	36	1	8260B	10/26/2004	CJR	1 42
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.7	28	1	8260B	10/26/2004	CJR	1
Naphthalene	< 25	ug/kg	7.8	25	1	8260B	10/26/2004	CJR	1
n-Propylbenzene	< 25	ug/kg	5.6	18	1	8260B	10/26/2004	CJR	1
1,1,2,2-Tetrachloroethane	< 25	ug/kg	7.4	23	1	8260B	10/26/2004	CJR	1
1,1,1,2-Tetrachloroethane	< 25	ug/kg	17	55	1	8260B	10/26/2004	CJR	1
Tetrachloroethene	< 25	ug/kg	19	59	1	8260B	10/26/2004	CJR	1
Toluene	43	ug/kg	5.5	18	1	8260B	10/26/2004	CJR	1
1,2,4-Trichlorobenzene	< 25	ug/kg	13	41	1	8260B	10/26/2004	CJR	1
1,2,3-Trichlorobenzene	< 25	ug/kg	8.8	28	1	8260B	10/26/2004	CJR	1
1,1,1-Trichloroethane	< 25	ug/kg	6.8	22	1	8260B	10/26/2004	CJR	1
1,1,2-Trichloroethane	< 25	ug/kg	8.7	28	1	8260B	10/26/2004	CJR	1
Trichloroethene (TCE)	< 25	ug/kg	13	40	1	8260B	10/26/2004	CJR	1
Trichlorofluoromethane	< 25	ug/kg	6	19	1	8260B	10/26/2004	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	8.6	27	1	8260B	10/26/2004	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	3.8	12	1	8260B	10/26/2004	CJR	1

Project Name COWA-100 & 700 SITES

Project #

Invoice # E11158

Lab Code 5011158H
Sample ID W-9, 3.5-4.5
Sample Matrix Soil
Sample Date 10/19/2004

	Result	Units	LOD	LOQ	Dil	Method	Run Date	Analyst	Code
Vinyl Chloride	< 25	ug/kg	9.6	31	1	8260B	10/26/2004	CJR	1
m&p-Xylene	< 50	ug/kg	16	52	1	8260B	10/26/2004	CJR	1
o-Xylene	< 25	ug/kg	7.9	25	1	8260B	10/26/2004	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.
4	The continuing calibration standard not within established limits.
42	Result reported possibly due to laboratory contamination.
43	Oil contamination indicated outside DRO window.

Authorized Signature Michael J. Ricker

APPENDIX B

SOIL BORING LOGS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: IOWA 6 POINTS / FARMERS MARKET NOS. 701-709	License/Permit/Monitoring Number: _ _ _ _ _ _ _	Boring Number: E-1	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m / d d / y y y y)	Date Drilling Completed: 07/16/2002 (m m / d d / y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.: _ _ _ _ _ _	DNR Well ID No.: _ _ _ _	Well Name:	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2.0 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E S/C/N _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W	Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
Facility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
0-4			1, 2, 3	ASPHALT PAVEMENT - 4" MOTTLED BROWN, DAMP TO MOIST, SILTY CLAY FILL WITH SAND & TRACE FOUNDRY SAND	CL									NO ODOR
4-7.8			4, 5, 6, 7	BROWN, MOIST, SILTY CLAY FILL WITH FINE GRAVEL CHANGING @ 6.0' BGS TO BLACK, WET, CLAYEY SAND & GRAVEL CHANGING @ 7.5' BGS TO BROWN, MOIST TO WET, SILTY CLAY WITH TRACE GRAVEL FOUNDRY SAND @ 6.0'-7.5' BGS	CL GC CL	▽								NO ODOR 4.0'-6.0' PETROLEUM ODOR 6.0'-7.5 NO ODOR 7.5'-8.0'
7.8-12			8, 9, 10, 11, 12	BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH TRACE GRAVEL BOTTOM OF BORING	CL									NO ODOR

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

Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

ate of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: IOWA 6 POINTS/ FARMERS MARKET NOS. 701-709-	License/Permit/Monitoring Number:	Boring Number: E-2	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002	Date Drilling Completed: 07/16/2002	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: Feet MSL
Surface Elevation: Feet MSL	Borehole Diameter: 2.0 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E S/C/N	Lat ° ' " Long ° ' "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W			
Facility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	MOTTLED BROWN, MOIST, SILTY CLAY FILL WITH TRACE FOUNDRY SAND AND TRACE GRAVEL	CL									NO ODOR
			2											
			3											
			4											
			5	MOTTLED BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH TRACE COARSE SAND CHANGING TO DARK GRAY TO BLACK FROM 6.0'-7.5' BGS	CL									NO ODOR 4.0'-6.0'
			6			▽								PETROLEUM ODOR 6.5'
			7											7.5' NO ODOR 7.5'-8.0'
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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

Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

ite of Wisconsin
partment of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

cility/Project Name: IOWA 6 POINTS / FARMERS MARKET NOS. 701-709	License/Permit/Monitoring Number	Boring Number: E-3	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m / d d / y y y y)	Date Drilling Completed: 07/16/2002 (m m / d d / y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
cal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
tate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	☐ N ____ Feet ☐ S	☐ E ____ Feet ☐ W
cility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1 2 3	ASPHALT PAVEMENT - 4" CRUSHED STONE CHANGING TO MOTTLED BROWN, DAMP TO MOIST, SILTY CLAY FILL WITH SOME GRAVEL & TRACE FOUNDRY SAND	CL									NO ODOR
			4 5 6 7	AS ABOVE, CHANGING TO DARK GRAY & BLACK, MOIST, SILTY CLAY WITH TRACE SAND CHANGING @ 7.0' TO GRAY & BROWN MOTTLED, MOIST TO WET, SILTY CLAY WITH TRACE GRAVEL	CL	▽								NO ODOR 4.0'-7.0' PETROLEUM ODOR 7.0'-8.0'
			8 9 10 11 12	MOTTLED BROWN & GRAY, MOIST TO WET, SILTY CLAY WITH TRACE GRAVEL BOTTOM OF BORING	CL									PETROLEUM ODOR 8.0' 9.0' NO ODOR 9.0'-12.0'

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

Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

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SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

acility/Project Name: IOWA 6 POINTS/ FARMERS MARKET NOS. 701-709-	License/Permit/Monitoring Number	Boring Number: E-4	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m d d y y y y)	Date Drilling Completed: 07/16/2002 (m m d d y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
tate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	☐ N ☐ E ___ Feet ☐ S ___ Feet ☐ W	
acility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CONCRETE PAVEMENT-4" CRUSHED STONE CHANGING TO WET, BLACK, CLAYEY GRAVEL CHANGING TO BROWN MOTTLED, MOIST, SILTY CLAY WITH TRACE SAND	GC									NO ODOR
			2		CL									
			3											
			4	AS ABOVE, CHANGING @ 6.0' BGS TO BLACK, GREEN, & BROWN, WET CLAYEY SAND & GRAVEL CHANGING @ 7.5' TO BROWN, MOIST, SILTY CLAY WITH SOME SAND	CL									NO ODOR 4.0'-6.0'
			5		GC									PETROLEUM ODOR 6.5'-7.5'
			6		CL	▽								
			7	FOUNDRY SAND @ 6.0'-7.5' BGS										NO ODOR 7.5'-8.0'
			8	BROWN & GRAY, MOIST, SILTY CLAY WITH TRACE GRAVEL										
			9		CL									NO ODOR
			10											
			11											
			12	BOTTOM OF BORING										

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SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

acility/Project Name: IOWA 6 POINTS / FARMERS MARKET NOS. 701-709-	License/Permit/Monitoring Number	Boring Number: E-5	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 First Name: Last Name: Firm: NORTH SHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m / d d / y y y y)	Date Drilling Completed: 07/16/2002 (m m / d d / y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐ tate Plane ____ N, ____ E S/C/N ____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____ E/W	Lat ° ' " Long ° ' "	Local Grid Location ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W	
acility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CONCRETE PAVEMENT - 4"										
			2	CRUSHED STONE CHANGING TO 6" LAYER FOUNDRY SAND CHANGING TO BLACK, MOIST, SILTY CLAY FILL	SP / CL									PETROLEUM ODOR 1.0' 3.0'
			3	WITH TRACE SAND CHANGING @ 3.0' BGS TO GRAY, MOIST, SILTY CLAY										NO ODOR 3.0'-4.0'
			4											
			5	GRAY, MOIST TO WET, SILTY CLAY CHANGING @ 6.0' TO BROWN, MOIST TO WET, SILTY	CL									NO ODOR
			6	CLAY WITH TRACE GRAVEL		▽								
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

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SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

acility/Project Name: OWA 6 POINTS / FARMERS MARKET NOS. 701-709	License/Permit/Monitoring Number	Boring Number: W-1	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m d d y y y y)	Date Drilling Completed: 07/16/2002 (m m d d y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — tate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location ☐ N ____ Feet ☐ S ☐ E ____ Feet ☐ W
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	
acility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	asphalt pavement - 4" foundry sand & slag fill	SP									NO ODOR
			2	changing to brown, moist, silty clay with gravel	CL									
			3											
			4											
			5	brown, moist, silty clay with gravel	CL									NO ODOR
			6											
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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

Signature: J. Hosler

Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

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Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

acility/Project Name: IOWA 6 POINTS / FARMERS MARKET NOS. 701-709-	License/Permit/Monitoring Number	Boring Number: W-2	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002	Date Drilling Completed: 07/16/2002	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
tate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location ☐ N ☐ E	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	____ Feet ☐ S ____ Feet ☐ W	
acility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	GRAVEL & CRUSHED STONE CHANGING TO 6" LAYER FOUNDRY SAND CHANGING	SP									NO ODOR
			2	TO BROWN, MOIST, SILTY CLAY WITH TRACE	CL									
			3	COARSE SAND										
			4											
			5	BROWN, MOIST, SILTY CLAY WITH SOME	CL									NO ODOR
			6	SAND										
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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acility/Project Name: IOWA 6 POINTS/ FARMERS MARKET NOS. 701-709.	License/Permit/Monitoring Number	Boring Number: W-3	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m / d d / y y y y)	Date Drilling Completed: 07/16/2002 (m m / d d / y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
tate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location ☐ N ☐ E	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	____ Feet ☐ S ____ Feet ☐ W	
acility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CRUSHED STONE CHANGING TO BROWN, MOIST, SILTY CLAY WITH TRACE GRAVEL	CL									SLIGHT PETROLEUM ODOR 3.5'-4.0'
			2	CHANGING TO GRAY & BLACK, MOIST, SILTY CLAY WITH	SP									
			3	TRACE GRAVEL AND 6" LAYER OF BLACK, WET,										
			4	foundry sand from 3.5'-4.0' BGS										
			5	MOTTLED BROWN & GRAY, DAMP TO MOIST, SILTY CLAY WITH	CL									NO ODOR
			6	TRACE GRAVEL - DENSE										
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: IOWA 6 POINTS / FARMERS MARKET NOS. 701-709	License/Permit/Monitoring Number	Boring Number: W-4	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002	Date Drilling Completed: 07/16/2002	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane ____ N, ____ E S/C/N ____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____ E/W	Lat ° ' " Long ° ' "	Local Grid Location ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W	
Facility ID	County: MILWAUKEE	County Code: 41	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CONCRETE PAVEMENT-4" CRUSHED STONE CHANGING TO BROWN, DAMP, SILTY SAND & GRAVEL FILL WITH SOME FOUNDRY SAND	GM									SLIGHT PETROLEUM ODOR 3.5'-4.0'
			2		SP									
			3	CHANGING TO DARK BROWN, MOIST TO WET, FOUNDRY SAND @ 3.5' BGS										
			4	FOUNDRY SAND 3.5'-4.0'										
			5	MOTTLED BROWN & GRAY, DAMP TO MOIST, SILTY CLAY WITH SOME GRAVEL-DENSE	CL									NO ODOR
			6											
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

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acility/Project Name: OWA 6 POINTS / FARMERS MARKET NOS. 701-709	License/Permit/Monitoring Number	Boring Number: W-5	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002	Date Drilling Completed: 07/16/2002	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 2.0 inches		
ocal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
ate Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ° ' "	☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
acility ID	County: MILWAUKEE	County Code: 41	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CONCRETE PAVEMENT - 4" CRUSHED STONE CHANGING TO BLACK & BROWN, MOIST, SAND & GRAVEL AND FOUNDRY SAND 3.0'-4.0' BGS	GW / SP									SLIGHT PETROLEUM ODOR
			2											
			3											
			4	BORING REFUSAL										
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

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cility/Project Name: OWA 6 POINTS/ FARMERS MARKET NOS. 701-709.	License/Permit/Monitoring Number	Boring Number: W-6	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 — First Name: Last Name: Firm: NORTHSHORE DRILLING INC.	Date Drilling Started: 07/16/2002	Date Drilling Completed: 07/16/2002	Drilling Method: DIRECT PUSH
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: 2.0 inches		
cal Grid Origin ☐ (estimated: ☐) or Boring Location ☐			
ate Plane _____ N, _____ E S/C/N	Lat ___ ° ___ ' ___ "	Local Grid Location	
___ 1/4 of ___ 1/4 of Section ___, T ___ N, R ___ E/W	Long ___ ° ___ ' ___ "	☐ N ☐ E	
cility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	CRUSHED STONE CHANGING TO 1.5' LAYER FOUNDRY SAND CHANGING TO	SP									SLIGHT PETROLEUM ODOR
			2	MOTTLED GRAY, MOIST, SILTY CLAY WITH SOME	CL									
			3	COARSE SAND FOUNDRY SAND 0.5'-2.0'										
			4											
			5	MOTTLED BROWN & GRAY, MOIST, SILTY CLAY WITH TRACE GRAVEL - DENSE	CL									NO ODOR
			6											
			7											
			8	BOTTOM OF BORING										
			9											
			10											
			11											
			12											

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

Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

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Route To: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Revelopment ☐ Other ☐ _____

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Facility/Project Name: SWA 6 POINTS/FARMERS MARKET 701-709-	License/Permit/Monitoring Number: _ _ _ _ _ _ _	Boring Number: W-7	
Boring Drilled By: Name of crew chief (first, last) and Firm 708 First Name: Last Name: Firm: NORTH SHORE DRILLING INC.	Date Drilling Started: 07/16/2002 (m m / d d / y y y y)	Date Drilling Completed: 07/16/2002 (m m / d d / y y y y)	Drilling Method: DIRECT PUSH
WI Unique Well No.: _ _ _ _ _ _	DNR Well ID No.: _ _ _ _	Well Name:	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E S/C/N _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W	Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
Facility ID	County: MILWAUKEE	County Code: 4 1	Civil Town/City/ or Village: WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	GRAVEL & CRUSHED STONE CHANGING TO REDDISH BROWN, DAMP TO MOIST, SILTY CLAY FILL WITH TRACE COARSE SAND	CL									NO ODOR
U-4			2											
			3	CHANGING TO MOTTLED BROWN, MOIST, SILTY CLAY WITH TRACE COARSE SAND										
			4											
			5	MOTTLED BROWN & GRAY, MOIST, SILTY CLAY WITH TRACE GRAVEL - DENSE	CL									NO ODOR
U-3			6											
			7											
			8	BOTTOM OF BORING										
			9											
U-2			10											
			11											
			12											

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

Signature: [signature] Firm: THE ENVIRONMENTAL MANAGEMENT CO LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

WTM 91 COORDINATES X=683356, Y=284300

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
6 POINTS / FARMERS MARKET - PROP#		SB-W-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: MORAINE ENVIRONMENTAL, INC.	10/19/2004 (mm/dd/yyyy)	10/19/2004 (mm/dd/yyyy)	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____ E/W
Lat ° ' "
Long ° ' "
Local Grid Location
____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	MILWAUKEE	4 1	WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
0-4			1, 2, 3, 4	TAN, BROWN & BLACK, DAMP TO MOIST, SILTY SAND & GRAVEL CHANGING @ 1.5'BGS TO BLACK, WET, SAND CHANGING @ 2.5'BGS TO BROWN, MOIST TO WET, SILTY CLAY WITH SOME SAND & GRAVEL CHANGING @ 3.5'BGS TO BROWNISH GRAY, MOIST TO WET, SILTY CLAY	GM SP CL									PETROLEUM ODOR BELOW 3.5'BGS
4-8			5, 6, 7, 8	AS ABOVE CHANGING @ 4.5' BGS TO MOTTLED BROWN & GRAY, WET, SILTY CLAY, CHANGING TO BROWN @ 5.5' BGS	CL									DECREASING PETROLEUM ODOR BELOW 4.5'BGS
			9, 10, 11, 12	BOTTOM OF BORING										

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

Signature	Firm
J L Hosler	THE ENVIRONMENTAL MANAGEMENT CO LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

WTM 91 COORDINATES X=683356, Y=284300

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
6 POINTS / FARMERS MARKET - PROP#		SB-W-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: MORAINE ENVIRONMENTAL, INC.	10/19/2004 (mm/dd/yyyy)	10/19/2004 (mm/dd/yyyy)	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W
Lat ° ' "
Long ° ' "
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	MILWAUKEE	4 1	— WEST ALLIS

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
0-4			1, 2, 3, 4	TAN, BROWN, & BLACK, DAMP TO MOIST, SILTY SAND & GRAVEL CHANGING @ 3.0' BGS TO MOTTLED BROWN & GRAY, WET, SILTY CLAY	GM — CL									NO ODOR
4-8			5, 6, 7, 8	AS ABOVE, CHANGING @ 4.5' BGS TO BLACK, MOIST TO WET, SAND CHANGING @ 5.5' BGS TO DARK GRAY, WET, SILTY CLAY BECOMING MOTTLED BROWN & GRAY @ 6.5' BGS	CL — SP — CL									NO ODOR
			9, 10, 11, 12	BOTTOM OF BORING										

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

Signature	Firm
J L Hosler	THE ENVIRONMENTAL MANAGEMENT CO LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

APPENDIX C

SOIL BORING ABANDONMENT FORMS

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: E-1

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6709 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12.0 (From groundsurface)

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 6.0'

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No

If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	12.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: E-2

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W (If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6709 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 6.0

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	<1 SACK	

(8) Comments:

Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: E-3

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6709 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface) 12.0

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 7.0

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	12.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: E-4

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W (If applicable)

___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6709 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12.0 (From groundsurface)

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 6.0

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED
Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	12.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: E-5

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6709 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A
Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 6.0

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-1

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface) 8.0

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet)

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED
Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-2

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W (If applicable)

___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A
Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED
Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-3

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED
Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-4

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A

Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-5

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W
(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location
___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 4.0 (From groundsurface)
Casing Diameter (in.) N/A
Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☐ No	☑ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface?	☐ Yes	☑ No
Did Sealing Material Rise to Surface?	☑ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☑ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	4.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC
Date Signed

Street or Route: P.O. BOX 255
Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-6

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W (If applicable)

___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No.

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16JUL02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A
Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☐ No	☑ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain SOIL BOREHOLE - NO CASING USED

Was Casing Cut Off Below Surface?	☐ Yes	☑ No
Did Sealing Material Rise to Surface?	☑ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☑ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: NORTHSHORE DRILLING INC

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON, WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: W-7

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable)

___ Gov't Lot ___ Grid Number

Grid Location

___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well: 6737 WEST NATIONAL AVENUE

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. _ _ _ _ _ _

Reason For Abandonment

Date of Abandonment

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 16 JUL 02

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) N/A
Casing Depth (ft.) N/A

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed? ☐ Yes ☐ No ☑ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☑ Not Applicable
Screen Removed? ☐ Yes ☐ No ☑ Not Applicable
Casing Left in Place? ☐ Yes ☑ No
If No, Explain SOIL BOREHOLE NO CASING USED
Was Casing Cut Off Below Surface? ☐ Yes ☑ No
Did Sealing Material Rise to Surface? ☑ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☑ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials

☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only

☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	< 1 SACK	

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: NORTHSHORE DRILLING INC.

Signature of Person Doing Work

Date Signed

Street or Route: P.O. BOX 255

Telephone Number: (262) 375-8121

City, State, Zip Code: GRAFTON WI 53024-0255

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: SB-W-8

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

~~Street Address of Well~~
WTM91 COORDINATES X=683254 Y=284291

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. ___ ___ ___ ___ ___

Reason For Abandonment: SOIL BORING FOR PHASE II ESA

Date of Abandonment: 19OCT04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 19OCT04

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)

Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☐ No	☑ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain: NO CASING USED

Was Casing Cut Off Below Surface?	☐ Yes	☑ No
Did Sealing Material Rise to Surface?	☑ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☑ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	1 SACK	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work: TEMCO

Signature of Person Doing Work: [signature] Date Signed: 21FEB05

Street or Route: P.O. BOX 856 Telephone Number: (262) 675-6206

City, State, Zip Code: CEDARBURG WI 53012

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 3-95

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

Well/Drillhole/Borehole Location: SB-W-9

County: MILWAUKEE

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft. ☐ N. ☐ S., ___ ft. ☐ E. ☐ W.

Civil Town Name

~~Street Address of Well~~
WTM91 COORDINATES X=683254 Y=284291

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner

Street or Route

City, State, Zip Code

Facility Well No. and/or Name (If Applicable)

WI Unique Well No. _ _ _ _ _

Reason For Abandonment: SOIL BORING FOR PHASE II ESA

Date of Abandonment: 19OCT04

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 19OCT04

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☑ Borehole

Construction Report Available? ☑ Yes ☐ No

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (Specify) DIRECT PUSH

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 8.0 (From groundsurface)
Casing Diameter (in.) ___
Casing Depth (ft.) ___

Lower Drillhole Diameter (in.) 2.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) ___

Pump & Piping Removed?	☐ Yes	☐ No	☑ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☑ Not Applicable
Screen Removed?	☐ Yes	☐ No	☑ Not Applicable
Casing Left in Place?	☐ Yes	☑ No	

If No, Explain: NO CASING USED

Was Casing Cut Off Below Surface?	☐ Yes	☑ No
Did Sealing Material Rise to Surface?	☑ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	☑ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☑ Other (Explain) GRAVITY

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☑ Granular Bentonite
☐ 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	8.0	1 SACK	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work: TEMCO

Signature of Person Doing Work: [signature] Date Signed: 21FEB05

Street or Route: P.O. BOX 856 Telephone Number: (262) 675-6206

City, State, Zip Code: CEDARBURG WI 53012

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

APPENDIX D

CARDINAL ENVIRONMENTAL ASBESTOS INSPECTION REPORT

CARDINAL

ENVIRONMENTAL

Asbestos Inspection at 6709 West National, West Allis, WI

PROJECT SCOPE

Cardinal Environmental was retained by The Environmental Management Company, LLC, Cedarburg, Wisconsin to conduct an inspection of the asbestos-containing materials (ACM) throughout "National Salvage", a commercial building located at 6709 West National Avenue, West Allis, Wisconsin. The building consists of one level. Included with this inspection are the attached building and separate loading dock building currently being leased by National Salvage. It is assumed that the building will be demolished, and that the demolition debris will be disposed of at a licensed subtitle D landfill.

The buildings have wood and block frames, with some "transite" siding material. They have flat asphalt roofing along with some "transite" roofing. The main building contains a forced air heating system. The flooring surface is primarily concrete, with some wood flooring.

PROCEDURES FOR THE INSPECTION OF ACM

The initial asbestos inspection of the visible and accessible suspected ACM was completed by conducting a visual and bulk sampling survey on July 15, 2002. The ACM surveys were completed by the following State of Wisconsin - Department of Health and Family Services (DHFS) Certified Asbestos Inspectors: Michael J. Kester (AII-03182), & Bruce Ten Haken (AII-15079).

A visual inspection was conducted to inventory the assumed (known) asbestos-containing materials, and identify and sample the suspect materials. A listing of the samples that were collected is attached (Bulk Sampling Inventory). Copies of the laboratory reports are also attached. The following is the inventory of the ACM identified during the inspection.

Location	Description of ACM	Asbestos (Est. Quantity)
Flat Roof of Main Building	Asphalt Flashing & Sealer	1,010 $ft.^2$
Flat Roof of Loading Dock Bldg.	Asphalt Flashing & Sealer	3,200 $ft.^2$
Roof over North Overhang Bldg.	"Transite" Panels	504 $ft.^2$
Siding on North Overhang Bldg.	"Transite" Panels	221 $ft.^2$

The following items must be removed prior to demolition:

- **"Transite" Panel Roofing and Siding listed in the ACM Inventory.**

3303 Paine Avenue Sheboygan, WI 53081
920/459-2500 800/413-7225 FAX 920/459-2503

It is recommended that if any suspected materials are encountered during demolition that do not appear in the bulk sampling inventory, demolition should be halted while these materials are properly inspected. If previously inaccessible ACM are made accessible during demolition, they will need to be properly removed. The electrical system was not inspected since power was still supplied to the building at the time of the inspection.

According to Chapter NR447, Wisconsin Administrative Code, the ACM asphalt roofing materials (including sealers) identified above do not have to be removed prior to a normal demolition as long as they are not made friable during handling, transportation, and disposal. Water must be used to control fugitive emissions on all demolitions. All landfill-handling procedures must be followed. The demolition contractor must contact the landfill prior to demolition to determine their disposal procedure for demolition debris containing nonfriable ACM, since procedures vary from landfill to landfill.

Prepared by: _____ Date: 7/31/2002
Michael J. Kester, WI DHFS Asbestos Inspector #AII-03182

Prepared by: _____ Date: 7/31/2002
Bruce Ten Haken, WI DHFS Asbestos Inspector #AII-15079

Bulk Sampling Inventory

National Salvage
6709 W. National Avenue, West Allis, WI

Material	Lab Number	Sample Location	% Asbestos
Ceiling Tile, 12"x 12"	22391	Office Area	*None Detected*
Floor Tile, 12"x 12"	22392	Bath Room	*None Detected*
Drywall	22393	Unloading Area, West Wall	*None Detected*
Block Mortar	22394	South Wall	*None Detected*
Asphaltic Roof Flashing	22395	Roof of Building	**3 % Chrysotile**
Roofing - Top Layer	22396	Roof of Building	*None Detected*
Roofing – Bottom Layer	22397	Roof of Building	*None Detected*
Sealer around Cracks, Joints, & Chimney	22398	Roof of Building	**3 % Chrysotile**

6709 W. National Avenue, West Allis, WI. LOADING DOCK

Material	Lab Number	Sample Location	% Asbestos
Ceiling Tile, 2'x 4' White, Dots w/ Swirl Pat.	22473	Office NW Corner	*None Detected*
Drywall w/ Joint Compound	22474	Office NW Corner	*None Detected*
Floor Tile	22475	Office NW Corner	*None Detected*
Floor Tile Mastic	22476	Office NW Corner	*None Detected*
Block Mortar	22477	Exterior of Building	*None Detected*
Roof – Sealer Gray	22478	Roof of Building	**5 % Chrysotile**
Roof Flashing	22479	Roof of Building	**2 % Chrysotile**
Roof – Top Layer	22480	Roof of Building	*None Detected*
Roof – Bottom Layer	22481	Roof of Building	*None Detected*

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 Fax: (317) 803-3047

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Monday, July 22, 2002

Ref Number: IN024791

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 6709 W. NATIONAL

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS % Fibrous	NON-ASBESTOS % Non-Fibrous
22391		Orange Fibrous Homogeneous	Teased	None Detected		90% Cellulose	10% Other
22392		Tan Non-Fibrous Homogeneous	Crushed	None Detected			100% Other
22393		White Fibrous Homogeneous	Crushed	None Detected		15% Cellulose	85% Gypsum
22394		Tan Non-Fibrous Homogeneous	Crushed	None Detected		< 1% Hair	100% Other
22395		Black Fibrous Homogeneous	Teased/Dissolved	3% Chrysotile		30% Cellulose	67% Other
22396		Black Fibrous Homogeneous	Teased/Dissolved	None Detected		60% Glass	40% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also. "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Nikki Brown
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0, TDH 30-0262)

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 *Fax: (317) 803-3047*

EMSL

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Monday, July 22, 2002

Ref Number: IN024791

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 6709 W. NATIONAL

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
22397		Black Fibrous Homogeneous	Teased/Dissolved	None Detected	50% Cellulose	50% Other
22398		Black Non-Fibrous Homogeneous	Dissolved/Crushed	3% Chrysotile		97% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Nikki Brown
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0, TDH 30-0262)

EMSL Analytical, Inc. **CHAIN OF CUSTODY** 1N02479 91 **Asbestos**

EMSL Rep: Paul Nyfield

Your Company Name: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

Phone Results to:

Name:

Telephone #:

Project Name/Number: 6709 W. National

EMSL-Bill to: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

Fax Results to:

Name: Bruce Ten Haken

Fax #: 920-459-2503

Purchase Order #:

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust
- ☐ Micro-Vac

TURNAROUND

- ☐ 6-10 Days
- ☐ 5 Days
- ☒ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 12 Hours
- ☐ Same Day*
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other: _____

PLM
- ☒ EPA 600
- ☐ EPA Point Count
- ☐ NY Stratified Point Count
- ☐ PLM NOB (Gravimetric)
- ☐ Other: _____

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield with SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ TEM NOB (Gravimetric)
- ☐ TEM NOB (Gravimetric) with SEM QC

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM MICROVAC / WIPE
- ☐ ASTM D 5755-95

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐ _____

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22391	Ceiling Tile	NA-1
22392	Floor Tile	NA-2

Client Sample # (s) 22391 22398 Total Samples: 8

Relinquished: [signature] Date: 7/17/02 Time:

Received: [signature] Date: 7-18-02 Time: 840

EMSL Analytical, Inc. CHAIN OF CUSTODY **Asbestos**

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22393	Drywall	NA-3
22394	Block Mortar	NA-4
22395	Roof Flashing	NA-5
22396	Roof - Top Layer	NA-6
22397	Roof - Middle Layer	NA-7
22398	Roof - Bottom Layer	NA-8

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 Fax: (317) 803-3047

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Tuesday, July 23, 2002

Ref Number: IN024795

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: LOADING DOCK-N.S.

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
22473		Brown/White Fibrous Homogeneous	Teased	None Detected	95% Cellulose	5% Other
22474		Brown/White Fibrous Layers # 2	Teased/Crushed	None Detected	20% Cellulose	80% Gypsum
22475		White Non-Fibrous Homogeneous	Crushed	None Detected		100% Other
22476		Yellow Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		100% Other
22477		Gray Non-Fibrous Homogeneous	Crushed	None Detected		50% Quartz 50% Other
22478		Black/Silver Non-Fibrous Homogeneous	Crushed/Dissolved	5% Chrysotile		95% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Richard K Harding
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0, TDH 30-0282)

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 Fax: (317) 803-3047

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Tuesday, July 23, 2002

Ref Number: IN024795

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: LOADING DOCK-N.S.

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
22479		Black Non-Fibrous Homogeneous	Crushed/Dissolved	2%	Chrysotile			98%	Other
22480		Black Non-Fibrous Homogeneous	Crushed	None Detected		15%	Cellulose	85%	Other
22481		Black Non-Fibrous Homogeneous	Teased/Crushed	None Detected		15%	Cellulose	85%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
* NY samples analyzed by ELAP 198.1 Method.

Richard K. Harding
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200136-0 TDH 30-0242)

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

1N 024795

EMSL Rep: Paul Nyfield

Your Company Name: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

Phone Results to:

Name:

Telephone #:

Project Name/Number: Loading Dock - N.S.

EMSL-Bill to: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

Fax Results to:

Name: Bruce Ten Haken

Fax #: 920-459-2503

Purchase Order #:

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust
- ☐ Micro-Vac

TURNAROUND

- ☐ 6-10 Days
- ☐ 5 Days
- ☒ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 12 Hours
- ☐ Same Day*
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other:

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

PLM
- ☒ EPA 600
- ☐ EPA Point Count
- ☐ NY Stratified Point Count
- ☐ PLM NOB (Gravimetric)
- ☐ Other:

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield with SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ TEM NOB (Gravimetric)
- ☐ TEM NOB (Gravimetric) with SEM QC

TEM MICROVAC / WIPE
- ☐ ASTM D 5755-95

XRD
- ☐ Asbestos
- ☐ Silica

SEM
- ☐ Qualitative
- ☐ Quantitative

OTHER
- ☐

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22473	Ceiling Tile	LD-1
22474	Drywall	LD-2

Client Sample # (s): 22473 - 22481

Total Samples: 9

Relinquished: [signature] Date: 07/17/02 Time:

Received: [signature] Date: 7-18-02 Time: 840

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22475	Floor Tile	LD-3
22476	Mastic	LD-4
22477	Block Mortar	LD-5
22478	Roof - Gray Sealer	LD-6
22479	Roof Flashing	LD-7
22480	Roof - Top Layer	LD-8
22481	Roof - Bottom Layer	LD-9

CARDINAL

ENVIRONMENTAL

Asbestos Inspection at 6737 W. National Avenue, West Allis, WI

PROJECT SCOPE

Cardinal Environmental was retained by The Environmental Management Company, LLC, Cedarburg, Wisconsin to conduct an inspection of the asbestos-containing materials (ACM) throughout "National Salvage", a commercial building located at 6737 W. National Avenue, West Allis, Wisconsin. The building consists of one level. It is assumed that the building will be demolished, and that the demolition debris will be disposed of at a licensed subtitle D landfill.

The building is constructed of concrete blocks and masonry bricks. It has a flat asphalt roof. The building contains a forced air heating system (installed in 1994) with non-ACM insulated ducts. The flooring surface is primarily concrete.

PROCEDURES FOR THE INSPECTION OF ACM

The initial asbestos inspection of the visible and accessible suspected ACM was completed by conducting a visual and bulk sampling survey on July 15, 2002. A follow-up inspection was conducted on July 24, 2002. The ACM surveys were completed by the following State of Wisconsin - Department of Health and Family Services (DHFS) Certified Asbestos Inspectors: Michael J. Kester (AII-03182) and Bruce Ten Haken (AII-15079).

A visual inspection was conducted to inventory the assumed (known) asbestos-containing materials, and identify and sample the suspect materials. A listing of the samples that were collected is attached (Bulk Sampling Inventory). Copies of the laboratory reports are also attached. The following is the inventory of the ACM identified during the inspection.

Location	Description of ACM	Asbestos (Est. Quantity)
Roof of Building	Asphalt Roofing Sealer	1,740 ft.^{2}
Floor Tile Mastic (Black)	Floor Tile Mastic (Black)	284 ft.^{2}
North Side of Bldg.	Fire Door	20 ft.^{2}

The following items must be removed prior to demolition:

- **"Fire Door" listed in the ACM Inventory.**

3303 Paine Avenue Sheboygan, WI 53081
920/459-2500 800/413-7225 FAX 920/459-2503

It is recommended that if any suspected materials are encountered during demolition that do not appear in the bulk sampling inventory, demolition should be halted while these materials are properly inspected. If previously inaccessible ACM are made accessible during demolition, they will need to be properly removed. The electrical system was not inspected since power is still supplied to the building.

According to Chapter NR447, Wisconsin Administrative Code, the ACM asphalt roofing materials (including the sealer) and flooring mastic identified above do not have to be removed prior to a normal demolition as long as they are not made friable during handling, transportation, and disposal. Water must be used to control fugitive emissions on all demolitions. All landfill-handling procedures must be followed. The demolition contractor must contact the landfill prior to demolition to determine their disposal procedure for demolition debris containing nonfriable ACM, since procedures vary from landfill to landfill.

Prepared by: _____ Date: 7/31/2002
Michael J. Kester, WI DHFS Asbestos Inspector #AII-03182

Prepared by: _____ Date: 7/31/2002
Bruce Ten Haken, WI DHFS Asbestos Inspector #AII-15079

Bulk Sampling Inventory

National Salvage
6737 W. National Avenue, West Allis, WI

Material	Lab Number	Sample Location	% Asbestos
Brick Mortar	22379	North Face of Building	*None Detected*
Block Mortar	22380	South Concrete Block Walls	*None Detected*
HVAC Mortar	22381	Walls of HVAC Room	*None Detected*
Textured Drywall Coating	22382	Wall of Office/Storeroom	*None Detected*
Drywall & Joint Compound	22383	Wall of Office/Storeroom	*None Detected*
Floor Tile, 9"x 9" Dark Brown	22384	Office Hallway	*None Detected*
Floor Tile Mastic, Black	22385	Office Hallway	**5 % Chrysotile**
Roof Sealer around Cracks, Joints, & Chimney	22386	Roof of Building	**10 % Chrysotile**
Roof Flashing	22387	Roof of Building	*None Detected*
Roof – Top Layer	22388	Roof of Building	*None Detected*
Roof – Middle Layer	22389	Roof of Building	*None Detected*
Roof – Bottom Layer	22390	Roof of Building	*None Detected*

RESULTS OF JULY 24, 2002 FOLLOW UP SAMPLING

Material	Lab Number	Sample Location	% Asbestos
Floor Tile, 9"x 9" Dk. Brown (Same as22384)	22553A	Office	*None Detected*
Floor Tile Mastic, Black (Same as 22385)	22553B	Office	**2 % Chrysotile**

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 *Fax: (317) 803-3047*

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Monday, July 22, 2002

Ref Number: IN024790

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 6737 W. NATIONAL

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
22379		Grey Non-Fibrous Homogeneous	Crushed	None Detected				30%	Quartz 70% Other
22380		Tan Non-Fibrous Homogeneous	Crushed	None Detected				20%	Quartz
22381		Tan Non-Fibrous Homogeneous	Crushed	None Detected				100%	Other
22382		White Non-Fibrous Homogeneous	Dissolved	None Detected		10%	Wollastonite	90%	Other
22383		White Non-Fibrous Homogeneous	Crushed	None Detected				100%	Other
22384		Brown Non-Fibrous Homogeneous	Crushed	None Detected				100%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Nikki Brown
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0, TDH 30-0262)

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 *Fax: (317) 803-3047*

EMSL

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Monday, July 22, 2002

Ref Number: IN024790

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 6737 W. NATIONAL

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
22385		Black Non-Fibrous Homogeneous	Dissolved	5%	Chrysotile			95%	Other
22386		Black Fibrous Homogeneous	Crushed/Dissolved	10%	Chrysotile			90%	Other
22387		Black Fibrous Homogeneous	Crushed/Dissolved	None Detected		35%	Cellulose	65%	Other
22388		Black Fibrous Homogeneous	Crushed/Dissolved	None Detected		40%	Cellulose	60%	Other
22389		Black Fibrous Homogeneous	Crushed/Dissolved	None Detected		30%	Cellulose	70%	Other
22390		Tan Fibrous Homogeneous	Teased/Dissolved	None Detected		20%	Cellulose	80%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

Nikki Brown
Analyst

Approved Signatory

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Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200188-0, TDH 30-0262)

EMSL Analytical, Inc.

CHAIN OF CUSTODY

1N024790

Asbestos

EMSL Rep: Paul Nyfield

Your Company Name: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

EMSL-Bill to: Cardinal Environmental

Street: 3303 Paine Avenue

Box #:

City/State: Sheboygan / WI Zip: 53081

Phone Results to:

Name:

Telephone #:

Project Name/Number: 6737 W. National

Fax Results to:

Name: Bruce Ten Haken

Fax #: 920-459-2503

Purchase Order #:

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust
- ☐ Micro-Vac

TURNAROUND

- ☐ 6-10 Days
- ☒ 72 Hours
- ☐ 24 Hours
- ☐ Same Day*
- ☐ 5 Days
- ☐ 48 Hours
- ☐ 12 Hours
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other: _____

PLM
- ☒ EPA 600
- ☐ EPA Point Count
- ☐ NY Stratified Point Count
- ☐ PLM NOB (Gravimetric)
- ☐ Other: _____

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield with SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ TEM NOB (Gravimetric)
- ☐ TEM NOB (Gravimetric) with SEM QC

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM MICROVAC / WIPE
- ☐ ASTM D 5755-95

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐ _____

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22379	Brick Mortar -	NS-1
22380	Block Mortar	NS-2

Client Sample # (s): 22379 - 22390 Total Samples: 12

Relinquished: [signature] Date: 7/17/02 Time:

Received: [signature] Date: 7-18-02 Time: 840

EMSL Analytical, Inc. CHAIN OF CUSTODY **Asbestos**

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22381	HVAC Mortar	NS-3
22382	Textured Drywall Coating	NS-4
22383	Drywall	NS-5
22384	DK Brown Floor Tile	NS-6
22385	Black Mastic	NS-7
22386	Joint Sealer - Roof	NS-8
22387	Flashing - Roof	NS-9
22388	Roof - Top Layer	NS-10
22389	Roof - Middle Layer	NS-11
22390	Roof - Bottom Layer	NS-12

EMSL Analytical, Inc.

2001 East 52nd Street
Indianapolis, IN 46205
Phone: (317) 803-2997 *Fax: (317) 803-3047*

Attn.: Michael J. Kester
Cardinal Environmental
3303 Paine Avenue
Sheboygan, WI 53081

Friday, July 26, 2002

Ref Number: IN024974

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: National Sales

Sample	Location	Appearance	Sample Treatment	ASBESTOS % Type	NON-ASBESTOS % Fibrous	% Non-Fibrous
2255-3/A FLOOR TILE		Brown Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		100% Other
2255-3/B MASTIC		Black Non-Fibrous Homogeneous	Crushed/Dissolved	2% Chrysotile		98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.
* NY samples analyzed by ELAP 198.1 Method.

Richard K. Harding
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL Indianapolis (NVLAP Air and Bulk #200198-0, TDH 30-0282)

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

IN024974

EMSL Rep: Paul Nyfield

Your Company Name: Cardinal Environmental

Street: 3303 Paine Ave.

Box #:

City/State: Sheboygan/WI Zip: 53081

Phone Results to:

Name:

Telephone #:

Project Name/Number: National Sec.

EMSL-Bill to: Cardinal Environmental

Street: Same

Box #:

City/State: Zip:

Fax Results to:

Name:

Fax #:

Purchase Order #:

MATRIX

- ☐ Air
- ☒ Bulk
- ☐ Wipe
- ☐ Floor Tile
- ☐ Drinking Water
- ☐ Wastewater
- ☐ Soil
- ☐ Dust
- ☐ Micro-Vac

TURNAROUND

- ☐ 6-10 Days
- ☐ 5 Days
- ☐ 72 Hours
- ☐ 48 Hours
- ☒ 24 Hours
- ☐ 12 Hours
- ☐ Same Day*
- ☐ 6 Hours

*S.D. - A.M. Delivery by Fed. Ex.-Results by Mid-Night or Earlier.

PCM
- ☒ NIOSH 7400
- ☐ OSHA
- ☐ Other:

PLM
- ☒ EPA 600
- ☐ EPA Point Count
- ☐ NY Stratified Point Count
- ☐ PLM NOB (Gravimetric)
- ☐ Other:

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM AIR
- ☐ AHERA
- ☐ NIOSH 7402
- ☐ EPA Level II

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield with SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ TEM NOB (Gravimetric)
- ☐ TEM NOB (Gravimetric) with SEM QC

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM MICROVAC / WIPE
- ☐ ASTM D 5755-95

XRD
- ☐ Asbestos
- ☐ Silica

OTHER
- ☐

SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
22553	NS-13	Floor Tile

Client Sample # (s): 22553

Total Samples: 1

Relinquished: [signature] Date: 7/24/2002 Time: 5:25 pm

Received: [signature] Date: 7-25-02 Time: 830