02-41-525029

DAKOTA INTERTEK CORP.
d/b/a Dakota Environmental

Environmental Technology

Environmental Contracting

RECEIVED
NOV 13 2001
By

October 24, 2001

Mike Beck
GeoMatrix
14525 Highway 7 #104
Minneapolis, MN 55343

RE: Tank Closure Assessment, 1600-1604 S. 43rd Street, West Milwaukee WI

Dear Mr. Beck:

Please find enclosed an Underground Storage Tank Closure Assessment Report for the above referenced address. The purpose of this report is to document findings of a recent closure assessment performed on-site during the tank removal process.

One (1) Underground Storage Tank (UST) was removed from the subject property in September, 2001. The tank stored fuel oil. Laboratory analysis of soil samples collected from the tank excavation confirms Diesel Range Organic (DRO) levels above State of Wisconsin reportable concentration limits.

Should you have any questions or comments regarding this report, please contact this office at 262-784-8844. Thank you for this opportunity.

Sincerely,

Paul D. Herbert
Business Development Manager

cc: Eric Amadi, WDNR

16600 W. National Ave.
New Berlin, WI 53151
262-784-8844
FAX: 262-784-8833
Internet
www.DakotaIntertekCorp.com
E-mail
Contact@DakotaIntertekCorp.com

COPY

Underground Storage Tank Closure Assessment

for

Former Mobile Blasting Property
1600-1604 S. 43rd Street
West Milwaukee, Wisconsin

PREPARED FOR:

Mr. Eric Amadi
Wisconsin Department of Natural Resources

PREPARED BY:

Dakota Intertek Corp.
16600 W. National Avenue
New Berlin, Wisconsin 53151

October, 2001

TABLE OF CONTENTS

UNDERGROUND STORAGE TANK REPORT

AT

Former Mobile Blasting Property
1600-1604 S. 43rd Street
West Milwaukee, WI

UNDERGROUND STORAGE TANK REPORT

Client Mailing Address:	Wisconsin Department of Natural Resources 101 S. Webster Street P.O. Box 7921 Madison, WI 53707
Site Contact:	Eric Amadi (608) 267-9534
Job Location:	1600-1604 S. 43rd Street West Milwaukee, WI
Site Description:	Milwaukee Quadrangle Sec. 1 T6N R21E
Job Date(s):	September 28, 2001
Job Description:	Underground Storage Tank Removal
Excavator:	Dakota Intertek Corp. 16600 W. National Avenue New Berlin, WI 53151 (262) 784-8855
Remover/Cleaner: Certification:	Ron Oppor 42705
Laboratory:	Legend Technical Services (soil samples, tank contents) 775 Vandalia Street St. Paul, MN 55114 (651) 642-1150 Great Lakes Analytical (tank contents) 140 E. Ryan Road Oak Creek, WI 53154 (414) 570-9460

TANK DESIGNATION:

TANK NO.	CAPACITY (gallons)	DIAMETER (ft/in)	LENGTH (ft/in)	TYPE	AGE (yr)	CONTENTS	CONDITION
MB-1	185	2.5'	5'	Steel	Unknown	Diesel	Poor

Mike Beck - Geomatrix 952 - 935 - 1010

Environmental Consultant:	Dakota Intertek Corp.
Site Assessor:	Wenbin Yuan
Certification:	41431

Treatment, storage, disposal, or recycling facility (tank contents):	Onyx/Superior Emerald Park Landfill LLC W124 S10629 S. 124th Street Muskego, WI 53150
Type disposal and amount removed (tank contents):	One (1) ton
Hauler (tank contents):	Dakota Intertek Corp.
Treatment, storage, disposal, or recycling facility: (decontamination residue)	Not Applicable
Treatment, storage, disposal, or recycling facility: (tank/container)	Waukesha Iron & Metal 1351 E. Main Street Waukesha, WI 53186
Hauler (tank/container):	Dakota Intertek Corp.

1.0 INTRODUCTION

Mr. Eric Amadi, of the Wisconsin Department of Natural Resources (WDNR), retained the services of Dakota Intertek Corp. to monitor the removal, cleaning, and disposal of one (1) Underground Storage Tank (UST) from a property located at 1600-1604 S. 43rd Street, in the City of West Milwaukee, Milwaukee County, WI, and to provide services in the form of environmental tank closure assessments. Dakota Intertek Corp. was retained to clean the UST and to remove it from the site. The 185 gallon tank was used to store fuel oil.

This closure assessment was performed in accordance with the Department of Commerce (DCOMM) and Wisconsin Department of Natural Resources (WDNR) Leaking Underground Storage Tank (LUST) regulations and guidelines. The tank removed during this project has been registered with DCOMM as being closed - tank removed.

2.0 SITE BACKGROUND

This private, commercial use property is located in the northeast portion of the City of West Milwaukee on South 43rd Street. The site is bound by South 43rd Street to the west, with vacant land located across the street. The site is also bound by Mitchell Street to the south, with ADM Milling located across the thoroughfare. A commercial bus company (Laidlaw) is adjacent to the east, while Hometown Ice is adjacent to the north. The area is predominantly commercial/light industrial in nature.

The tank was buried under asphalt/concrete on the west portion of the subject property. The tank system has been out of service for an unknown period of time and its prior use is also unknown.

3.0 SITE STRATIGRAPHY AND GEOLOGY

The regional topography of Milwaukee County consists of gently undulating plains composed of glacial till. The site is approximately 650 feet above mean sea level (USGS, 1971). The topography of the site is generally flat, with a slight slope toward the southeast.

The United States Geological Survey describes the native soils in the vicinity of the site as "lake deposits, dunes, and alluvium." (USGS, 1971) In general, the native soils included within this formation consist of very permeable sand and gravel developed during the present and earlier stages of Lake Michigan development. Very impermeable lake silt also occurs in this area. (Hutchinson, 1971)

In general, the native soils included within this formation include fine-grained till, lacustrine clay, silt, sand, and some glaciofluvial sand and gravel. This till is strongly calcareous and fine-grained, normally containing between 80 and 95 percent silt and clay in the matrix. The texture of the clay ranges from silty clay to clayey silt with trace amounts of sand and gravel. The

average composition is approximately 12% sand, 44% silt, and 44% clay. The strata encountered at the site consisted of brown clay from zero (0) to four (4) feet Below Ground Surface (BGS).

Surface infiltration was low, as site cover was asphalt/concrete. Natural surface runoff is expected to be to the east, moving toward a nearby railroad spur.

Groundwater was not encountered within the tank cavity. Potable water is provided to the site by the local municipal water service.

4.0 REMOVAL PROCEDURES

On September 28, 2001, tank removal was performed by Dakota Intertek Corp., which followed this general procedure: Overburden was removed from above the tank and stockpiled adjacent to the excavation pit. The UST was exposed by excavating to the point where the vessel was accessible.

The atmosphere of the UST was then monitored for oxygen, explosive vapors, and carbon monoxide, and purged with carbon dioxide (dry ice), as necessary. Once a safe level had been attained, the tank was removed, inspected, and cleaned, as necessary. Dakota Intertek Corp. personnel transported the tanks to Waukesha Iron & Metal for disposal.

The removed UST was inspected, and it was noted that the tank appeared to be in poor condition. PID readings were not taken from within the tank cavity, but were metered around the immediate vicinity of the cavity as part of a larger on-site environmental project being conducted at the property. Petroleum odors and discolored soils on the excavation floor were not noted by the field technician.

Three (3) soil samples were then collected from the excavation to confirm/deny petroleum contamination. The samples were transported to a WDNR certified laboratory for Diesel Range Organic (DRO), Gasoline Range Organic (GRO), and Total Lead analysis. Note that the contents of the removed tank (soil) were also submitted for laboratory analysis.

5.0 RESULTS OF ANALYSES

Laboratory analysis of the soil samples collected during the UST assessment indicate that the underground storage of fuel oil has negatively impacted subsurface soils on-site. Copies of the laboratory reports for the soil samples obtained are presented in the appendix of this report.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The Hazardous Substance Discharge Notification Requirements, as referenced in Wisconsin Administrative Code NR 706, state that any petroleum constituent detectable at a "trigger" level

of ten (10) mg/kg or higher is reportable to the Wisconsin Department of Natural Resources (WDNR). The samples collected from the tank excavation do indicate the presence of DRO compounds above this limit (31 mg/kg), however there are no regulatory exceedences of GRO or Total Lead.

7.0 LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope, and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation. Our assessment was performed using the degree of care and skill ordinarily exercised under similar circumstances by professional consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analyses intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. Dakota Intertek Corp. has no control over such testing and analyses and, therefore, disclaims any responsibility for any errors and omissions arising therefrom.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendation contained herein are brought to the attention of the appropriate regulatory agency(ies). This report has been prepared specifically for this client. Reproduction or distribution of this report should not be performed without written consent of the client and Dakota Intertek Corp.

8.0 REFERENCES

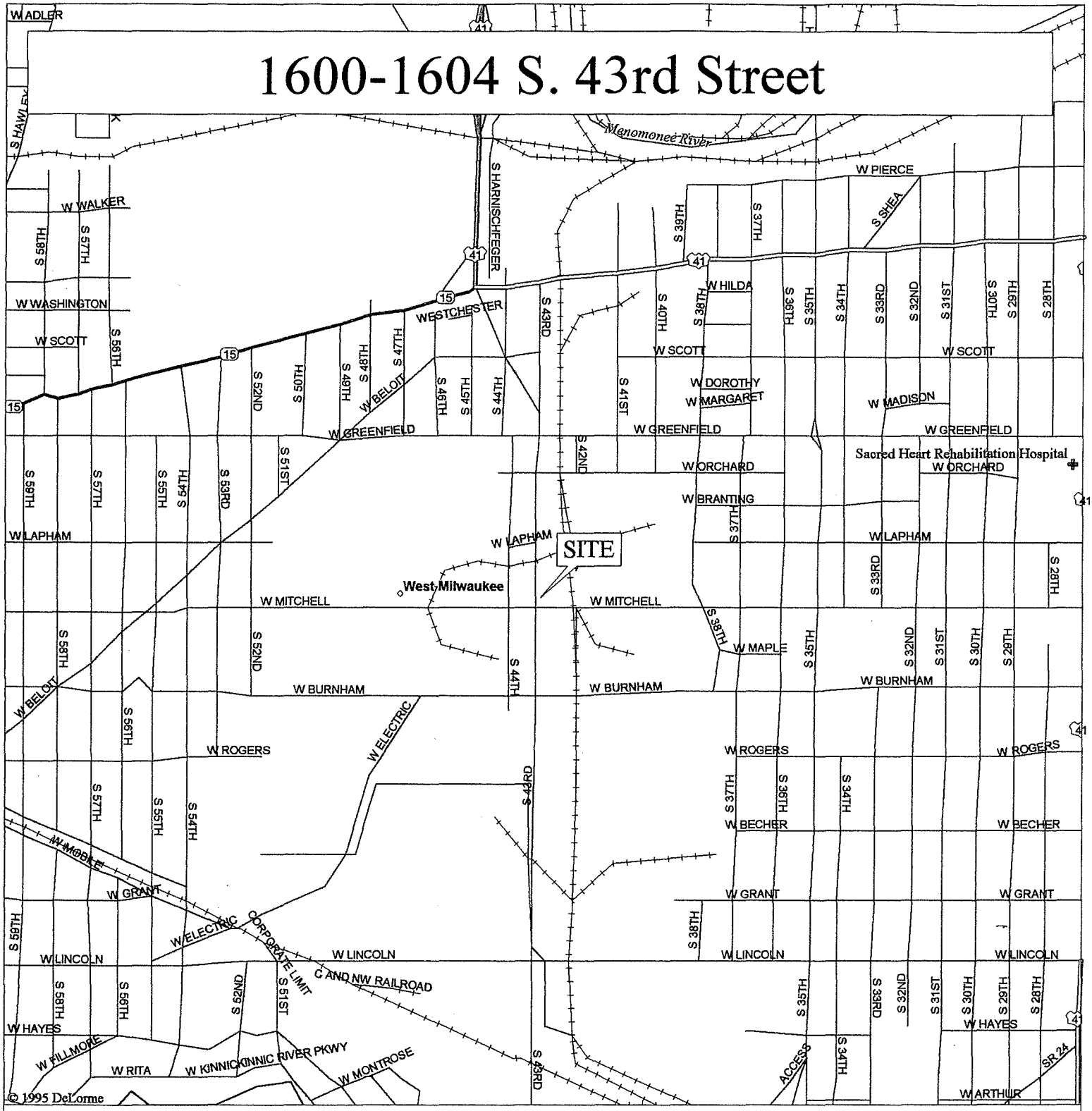
Hutchinson, R., 1971, Water Resources of Racine and Kenosha Counties, Southeastern Wisconsin: Geological Survey Water-Supply Paper 1878, U.S. Dept. of the Interior, Geological Survey in cooperation with the University of Wisconsin Geological and Natural History Survey, 63 p., incl. plates and diagrams.

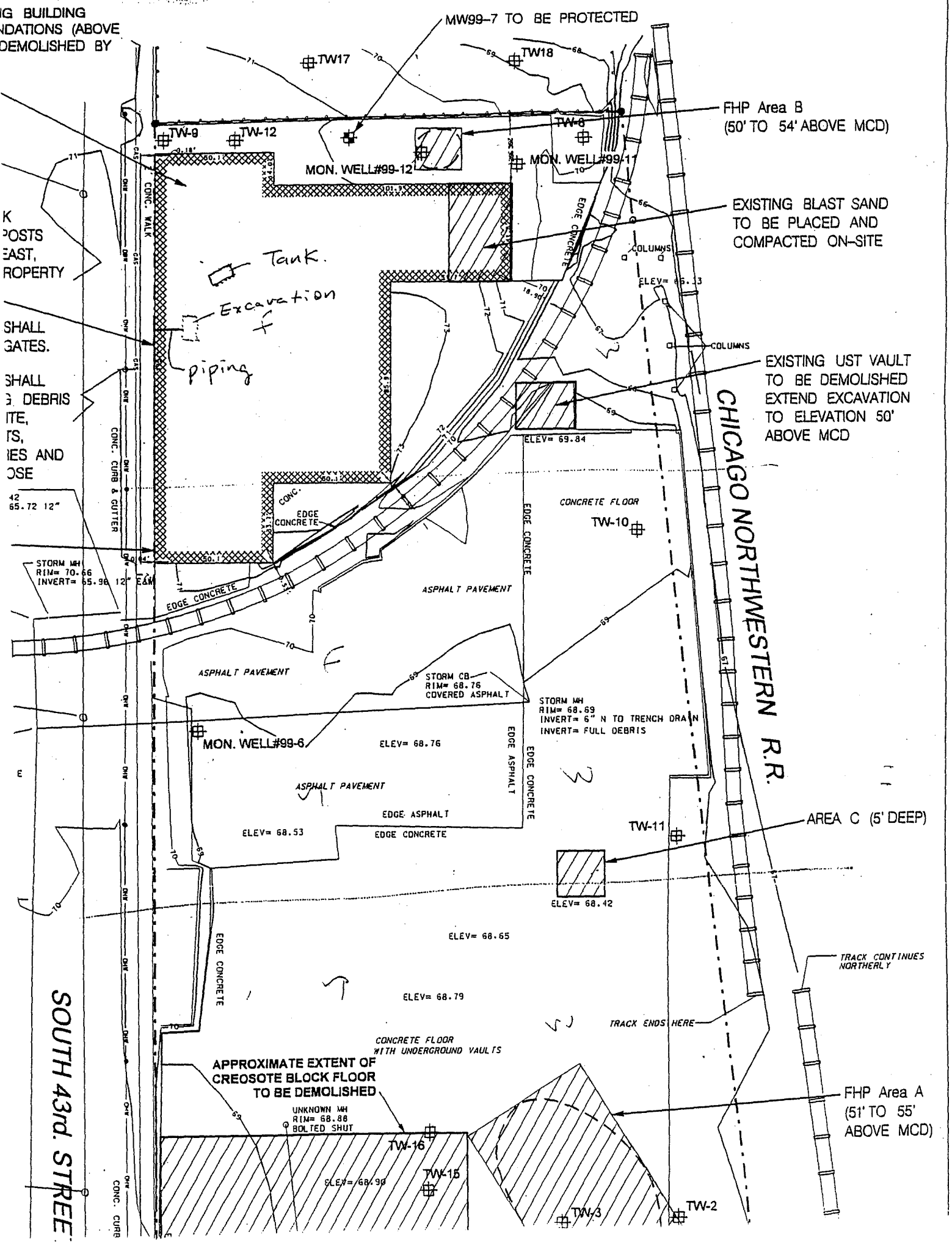
Mickelson, D.M., and Clayton, L., 1983, Geoscience Wisconsin-Late Pleistocene History of Southeastern Wisconsin: University of Wisconsin-Extension, Geological and Natural History Survey, Madison, Wisconsin, 111 p. incl. figures and diagrams

United States Department of the Interior, Geological Survey, (USGS), 1958, photo-revised 1971, Milwaukee, WI: 7.5 Minute Series Quadrangle, scale 1:24,000.

Wisconsin Dept. of Natural Resources, July, 1993, "Leaking Underground Storage Tank (LUST) Analytical Guidance", PUBL-SW-130 93.

1600-1604 S. 43rd Street




MW99-7 TO BE PROTECTED
TW17
TW18
TW-9
TW-12
TW-8
MON. WELL#99-12
MON. WELL#99-11
FHP Area B
(50' TO 54' ABOVE MCD)
EXISTING BLAST SAND
TO BE PLACED AND
COMPACTED ON-SITE
Tank.
Excavation
piping
COLUMNS
ELEV= 69.33
EXISTING UST VAULT
TO BE DEMOLISHED
EXTEND EXCAVATION
TO ELEVATION 50'
ABOVE MCD
CHICAGO NORTHWESTERN R.R.
ELEV= 69.84
CONCRETE FLOOR
TW-10
EDGE CONCRETE
CONC. CURB & GUTTER
STORM MH
RIM= 70.66
INVERT= 65.98 12" E&M
ASPHALT PAVEMENT
STORM CB
RIM= 68.76
COVERED ASPHALT
STORM MH
RIM= 68.69
INVERT= 6" N TO TRENCH DRAIN
INVERT= FULL DEBRIS
MON. WELL#99-6
ELEV= 68.76
EDGE ASPHALT
ELEV= 68.53
TW-11
AREA C (5' DEEP)
ELEV= 68.42
ELEV= 68.65
ELEV= 68.79
TRACK CONTINUES
NORTHERLY
TRACK ENDS HERE
CONCRETE FLOOR
WITH UNDERGROUND VAULTS
APPROXIMATE EXTENT OF
CREOSOTE BLOCK FLOOR
TO BE DEMOLISHED
UNKNOWN MH
RIM= 68.88
BOLTED SHUT
TW-16
TW-15
ELEV= 68.90
TW-3
TW-2
FHP Area A
(51' TO 55'
ABOVE MCD)
SOUTH 43rd. STREET
CONC. WALK
CONC. CURB & GUTTER

File by:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☒ Yes ☐ No

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank that is (check one):
☐ In Use ☒ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials ☐ Change in Tank Information
☐ Abandoned with Product ☐ Temporarily Out of Service - Provide Date: ☐ Reactivated
☐ Abandoned without Product (empty) ☐ Abandon with Water

Enter Department providing fire coverage where tank is located:
☒ City ☐ Village
☐ Town of Madison

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Madison Plastics (Formerly)
Site Address: 1666 South Park Street
Site Telephone Number:
☒ City ☐ Village ☐ Town of: West Madison
State: WI
Zip Code: 53715
County: Dane

2. Tank Owner Name: W.D.N.R.
Mailing Address: 101 South Webster Street PO Box 7921
Telephone Number: (608) 266-2621
☒ City ☐ Village ☐ Town of: Madison
State: WI
Zip Code: 53707
County: Dane

3. Previous Name: N/A
Previous site address (if different than above): N/A

B. Site ID #: **Facility ID #:** **Customer ID #:**

C. Tank Capacity (gallons): 12,000 gallons
Tank Age (age or date installed): Unknown

D. LAND OWNER TYPE (check one):
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☒ State ☐ Tribal Nation

E. OCCUPANCY TYPE (Check one):
☐ Gas/Retail Sales ☐ Oil - Storage ☒ Industrial ☐ Mercantile/Commercial ☐ Utility ☐ Residential ☐ Other
☐ Agricultural (crop or livestock production) ☐ Education ☐ Emergency Generator

F. Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☐ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

G. Primary Tank Leak Detection Method:
☐ Inventory control and tightness testing ☐ Automatic tank gauging ☐ Groundwater monitoring
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Interstitial monitoring ☐ Vapor monitoring
☐ Statistical Inventory Reconciliation (SIR) ☒ Unknown

H. Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Copper ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☐ N/A

Pipe Double Walled? ☐ Yes ☒ No

I. Primary Piping System Type: ☐ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

J. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

K. Vapor Recovery/Stage II CARB #:
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. TANK CONTENTS: (Current or previous product if tank now empty)
☒ Diesel ☐ Leaded ☐ Unleaded ☐ Unknown ☐ Gasoline
☐ Other (specify): ☐ Empty ☐ Sand/Gravel/Slurry ☐ Unknown ☐ Fuel Oil
☐ Waste/Used Motor Oil ☐ Chemical ☐ Kerosene ☐ Aviation ☐ Hazardous Waste
(Indicate chemical name and number below)

* If chosen, this tank is NOT PECFA eligible.

Geo Latitude:

Geo Longitude:

M. If tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 9-28-01

Has a site assessment been completed? (See reverse side for instructions)
☒ Yes ☐ No

Owner or Operator Name (please print): [redacted]

Indicate whether: ☐ Owner or ☐ Operator

Owner or Operator Signature: [redacted]

Date Signed: 10-24-01

Note: Refer to comments on reverse side of form.

ERS-7437 (R. 5/99)

08/09/2001

LEGEND
TECHNICAL SERVICES, INC.

Mr. Wenbin Yuan
Dakota Intertek
16600 W. National Ave
New Berlin, WI 53151

SUBJECT:
LEGEND NO.: 2001080072

* LEGEND TECHNICAL SERVICES, INC. (LEGEND) received the following sample(s):

MATRIX	SAMPLES	DATE SAMPLED	DATE RECEIVED	CONDITION RECEIVED
Soil	3	08/01/2001	08/03/2001	Received on ice.

* The associated batch quality assurance/quality control criteria were met with satisfaction.

* All samples will be retained by LEGEND for 30 days from the date of this report and then discarded unless other instructions are received from the client.

* Minnesota Laboratory Certification # 027-123-295.

Prepared by,
LEGEND TECHNICAL SERVICES, INC.

Roberta Taylor
for Chris Bremer
Laboratory Manager

Amy Hietala
Project Manager

This report shall not be reproduced, except in full, without the written authorization of LEGEND

LEGEND TECHNICAL SERVICES, INC.
LEGEND PROJECT # 2001080072
Dakota Intertek

DRO/8015B SOIL

Laboratory ID	1	2	3	4	PQL
Client ID	MB - under tank	MB - under pipe	MB - inside tank	Method Blank	mg/kg
Diesel range organics	<8.0 W	31 L1, W	27 L1, W	<8.0	8.0
C-30 (Surrogate)	86.2	98.6	91.3	96.0	—
Extraction Date	08/08/2001	08/08/2001	08/08/2001	08/08/2001	—
Prep Date	08/08/2001	08/08/2001	08/08/2001	08/08/2001	N/A
Analysis Date	08/08/2001	08/08/2001	08/08/2001	08/08/2001	N/A

GRO/8021B SOIL

Laboratory ID	1	2	3	4	PQL
Client ID	MB - under tank	MB - under pipe	MB - inside tank	Method Blank	mg/kg
Benzene	NA	NA	<0.025	<0.025	0.025
Toluene	NA	NA	<0.025	<0.025	0.025
Ethyl benzene	NA	NA	<0.025	<0.025	0.025
Total xylenes	NA	NA	<0.025	<0.025	0.025
Gasoline range organics	<5.0	<5.0	<5.0	<5.0	5.0
1-Chloro-4-fluorobenzene(Sur	92.2	95.0	99.9	96.9	—
Analysis Date	08/06/2001	08/06/2001	08/06/2001	08/06/2001	N/A N/A

METALS SOIL 6010/7471

Laboratory ID	1	2	3	4	PQL
Client ID	MB - under tank	MB - under pipe	MB - inside tank	Method Blank	mg/kg
Lead (total)	8.9	9.9	460	<2.0	2.0
Digestion - soil	08/06/2001	08/06/2001	08/06/2001	08/06/2001	---
Prep Date	08/06/2001	08/06/2001	08/06/2001	08/06/2001	N/A
Analysis Date	08/06/2001	08/06/2001	08/06/2001	08/06/2001	N/A

PERCENT SOLIDS

Laboratory ID	1	2	3	4	PQL
Client ID	MB - under tank	MB - under pipe	MB - inside tank	Method Blank	%
Percent Solids	86	87	90	100	1.0
Analysis Date	08/08/2001	08/08/2001	08/08/2001	08/08/2001	N/A N/A

LEGEND TECHNICAL SERVICES, INC.
LEGEND PROJECT # 2001080072
Dakota Intertek

Report Comments:

L1=The sample contains compounds in the molecular weight range usually associated with lubricating oils or non-distillate materials.

W=The sample was weighed out in the laboratory.

mg/kg is equal to parts per million (dry weight basis)

LEGEND TECHNICAL SERVICES, INC.
775 Vandalia Street, St. Paul, MN 55114 – Telephone: 651/642-1150 Fax: 651/642-1239

CHAIN-OF-CUSTODY RECORD

Company: Dakota Intertek	Bill To: Sone	Legend Tech Project No.: 2001080072
Report To: Wenbin Yuan	Project Description: Sone	Turnaround Time:
Address: 16600 W. National Ave New Berlin WI 53151	Address:	☐ Normal Date Needed: ____ ☒ Rush 72hr Date Needed: ____
Phone No.: 262-784-8844	PO#:	Condition Received: ☒ Received on Ice
Fax No.: 262-784 8833	Project #:	☐ Field Sheet

Item No.	Field ID No.	Sample Description	Collection Date	Collection Time	Sample Matrix	Lab ID No.	PID FIELD READINGS	DRO	GRO	Pb	BTEX	Analysis # of Containers: Moisture
1		MB - Under Tank	8/1	905	Soil	1		↑	↑	↑		
2		MB - Under Pipe	↓	930	↓	2		↓	↓	↓		
3		MB - Inside Tank	↓	1000	↓	3		↓	↓	↓	X	
4												
5												
6												
7												
8												
9												
10												

Transfer No.	Item No.	Relinquished By	Accepted By	Date	Time	Comments
1		John Bensky	Shipped Via Airborne Express			Airbill Number 403014941220
2				8/3	1000	Conformation Number 115729

FORM FLD-007 (10/00)

PLEASE REVIEW TERMS AND CONDITIONS BEFORE SIGNING THIS LEGAL DOCUMENT

White Copy – Original Accompanies Shipment to Lab Yellow Copy –Lab Pink Copy - Customer or Field Copy

P.1
4146721230
Mobile Blasting Site
Aug 02 01 09:43a

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Dakota Intertek Corp.	Project:	MOBILE BLASTING	Sampled: 9/10/01
16600 W. National Avenue	Project Number:	NONE	Received: 9/10/01
New Berlin, WI 53151	Project Manager:	Bob Leszczynski	Reported: 9/12/01 17:01

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Tank Contents	W109054-01	Soil (WI)	9/10/01

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Dakota Intertek Corp.	Project:	MOBILE BLASTING	Sampled: 9/10/01
16600 W. National Avenue	Project Number:	NONE	Received: 9/10/01
New Berlin, WI 53151	Project Manager:	Bob Leszczynski	Reported: 9/12/01 17:01

TCLP Metals by EPA 1311/6000/7000 Series Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
Tank Contents			W109054-01				Soil (WD)	1
Lead	1090175	9/12/01	9/12/01	EPA 7421	0.00500	**0.193**	mg/l	G1

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Dakota Intertek Corp.	Project: MOBILE BLASTING	Sampled: 9/10/01
16600 W. National Avenue	Project Number: NONE	Received: 9/10/01
New Berlin, WI 53151	Project Manager: Bob Leszczynski	Reported: 9/12/01 17:01

TCLP Metals by EPA 1311/6000/7000 Series Methods/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1090175	**Date Prepared: 9/12/01**					**Extraction Method: EPA 3010A TCLP**				
Blank	**1090175-BLK1**									
Lead	9/12/01			ND	mg/l	0.00500				
LCS	**1090175-BS1**									
Lead	9/12/01	0.0240		0.0251	mg/l	59.9-152	105			
Matrix Spike	**1090175-MS1**	**W109054-01**								
Lead	9/12/01	0.0240	0.193	0.238	mg/l	35.2-176	188			
Matrix Spike Dup	**1090175-MSD1**	**W109054-01**								
Lead	9/12/01	0.0240	0.193	0.229	mg/l	35.2-176	150	35.3	22.5	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager