

GIS REGISTRY
Cover Sheet

July 2008

Source Property Information

BRRTS #:	03-41-554502	Closure Date:	December 10, 2009
ACTIVITY NAME:	Payless Shoe Store (Former)	FID#:	341180400
PROPERTY ADDRESS:	3074 South 13th Street	DATCP#:	
MUNICIPALITY:	Milwaukee	COMM#:	53215-3873-74-A
PARCEL ID#:	507-1222-4		

***WTM Coordinates:**

X:	688883	Y:	281619
----	--------	----	--------

**Coordinates are in WTM83, NAD83
(1991)*

WTM Coordinates Represent:

- Approximate Center of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- | | |
|---|---|
| <input type="checkbox"/> Groundwater Contamination > ES (236) | <input checked="" type="checkbox"/> Soil Contamination > *RCLs or **SSRCL (232) |
| <input type="checkbox"/> Groundwater Contamination in ROW | <input type="checkbox"/> Soil Contamination in ROW |
| <input type="checkbox"/> Off-Source Contamination | <input type="checkbox"/> Off-Source Contamination |

(note: for list of impacted off-source properties see attached list of "Impacted Off-Source Property")

(note: for list of impacted off-source properties see attached list of "Impacted Off-Source Property")

Land Use Controls:

- | | |
|---|---|
| <input type="checkbox"/> Soil: maintain industrial zoning (220) | <input type="checkbox"/> Cover or Barrier (222) |
| <input type="checkbox"/> Structural Impediment (224) | <input type="checkbox"/> Vapor Mitigation (226) |
| <input type="checkbox"/> Site-Specific Condition (228) | <input type="checkbox"/> Maintain Liability Exemption (230) |

(note: soil contaminant concentrations between residential and industrial levels)

(note: maintenance plan for groundwater or direct contact)

(note: local government or economic development corporation)

Monitoring wells properly abandoned? (234)

- Yes No N/A

**Residual Contaminant Level
**Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-41-554502 PARCEL ID #: 507-1222-4

ACTIVITY NAME: Former Payless Shoe Store WTM COORDINATES: X: 688883 Y: 281619

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: NA Title:
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

- Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.
- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 Title: Former Payless Shoe Store
 - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 Title: Site Plan Map
 - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 3 Title: Soil Boring Location Map

BRRTS #: 03-41-554502

ACTIVITY NAME: Former Payless Shoe Store

MAPS (continued)

Geologic Cross-Section Map: A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: NA Title: Soil Probe Log B-1 and B-2

Figure #: Title:

Groundwater Isoconcentration Map: For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: Title:

Groundwater Flow Direction Map: A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: Title:

Figure #: Title:

TABLES (meeting the requirements of s. NR 716.15(2)(b)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

Soil Analytical Table: A table showing remaining soil contamination with analytical results and collection dates.

Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: NA Title: Environmental Monitoring and Technologies, Inc. Lab Report for B-1 and B-2

Groundwater Analytical Table: Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: Title:

Water Level Elevations: Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: Title:

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

Not Applicable

Site Location Map: A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: Title:

Well Construction Report: Form 4440-113A for the applicable monitoring wells.

Deed: The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

Notification Letter: Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-41-554502

ACTIVITY NAME: Former Payless Shoe Store

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

Number of "Off-Source" Letters:

- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

December 10, 2009

Mr. Thomas Braun
c/o Mr. William P. Scott
Gonzales, Saggio & Harlan, LLP
225 East Michigan Street, 4th Floor
Milwaukee, WI 53202

RE: **Final Closure**

Commerce # 53215-3873-74-A DNR BRRTS # 03-41-554502
Payless Shoe Store (Former), 3074 South 13th Street, Milwaukee

Dear Mr. Braun:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your attorney, Mr. William P. Scott, for the site referenced above. Commerce has determined that this site does not pose a significant threat to human health or the environment. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. To review sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

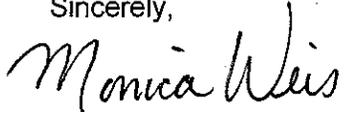
All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable State regulations and standards.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4705.

Sincerely,

A handwritten signature in cursive script that reads "Monica Weis". The signature is written in black ink and is positioned to the right of the word "Sincerely,".

Monica L. Weis
Senior Hydrogeologist
Site Review Section

6592544

REGISTER'S OFFICE }
Milwaukee County, WI } ss

RECORDED AT -11 40 AM

APR - 7 1992

REEL 2752 IMAGE 1050

Walter C. Gray REGISTER OF DEEDS

Sally C. Merrell
.....
....., as Personal Representative of the estate of
Ernst Braun
.....
..... ("Decedent"),
for a valuable consideration conveys, without warranty, to
Thomas Braun
.....
....., Grantee,
the following described real estate in Milwaukee County,
State of Wisconsin (hereinafter called the "Property"):

RETURN TO Sally C. Merrell
Quarles & Brady Box 211
411 East Wisconsin Avenue
Milwaukee, WI 53202

Tax Parcel No: 507-1222-4

Lot 21 and the South 27.5 feet of Lot 22 in Block 8,
in Vogel Park, being the subdivision of the South
West 1/4 of the South West 1/4 of Section 8, in
Township 6 North, Range 22 East, in the City of
Milwaukee

Exempt from transfer tax, Wis. Stat. § 77.25(11)

6592544 #

RECORD 10.00

Personal Representative by this deed does convey to Grantee all of the estate and interest in the Property which
the Decedent had immediately prior to Decedent's death, and all of the estate and interest in the Property which the
Personal Representative has since acquired.

Dated this 1 day of April, 1992

..... (SEAL)
.....
Personal Representative

Sally C. Merrell (SEAL)
.....
Sally C. Merrell
Personal Representative

AUTHENTICATION

Signature(s) *Sally C. Merrell*

authenticated this 3 day of April, 1992

Kathleen A. Gray
.....
Kathleen A. Gray
TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

S. Merrell

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN

..... County, }
Personally came before me this day of }
....., 19..... the above named }
.....

to me known to be the person who executed the
foregoing instrument and acknowledge the same.

Notary Public County, Wis.
My Commission is permanent. (If not, state expiration
date:, 19.....)

*Names of persons signing in any capacity should be typed or printed below their signatures.

10.00

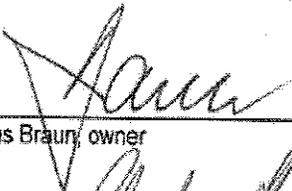
OWNER'S STATEMENT REGARDING LEGAL DESCRIPTION

As the current owner and currently responsible party for the property located at 3074 S. 13th Street, Milwaukee, Wisconsin, Tax Key No: 507-1222-4 (the "Property"), I believe the legal description appearing below, which is provided to the Wisconsin Department of Commerce for the case file referenced as Commerce # 53215-3873-74-A and DNR BRRTS # 03-41-554502, is complete and accurate to the best of my knowledge.

Legal Description of Property:

Lot 21 and the South 27.5 feet of Lot 22, in Block 8, in Vogel Park, being the Subdivision of the Southwest 1/4 of the Southwest 1/4 of Section 8, Town 6 North, Range 22 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin.

Signed and witnessed on December 9, 2009

X 
Thomas Braury, owner

X 
Witness (Zeuge)

Claudia Herrmann
(Name in Druckbuchstaben)

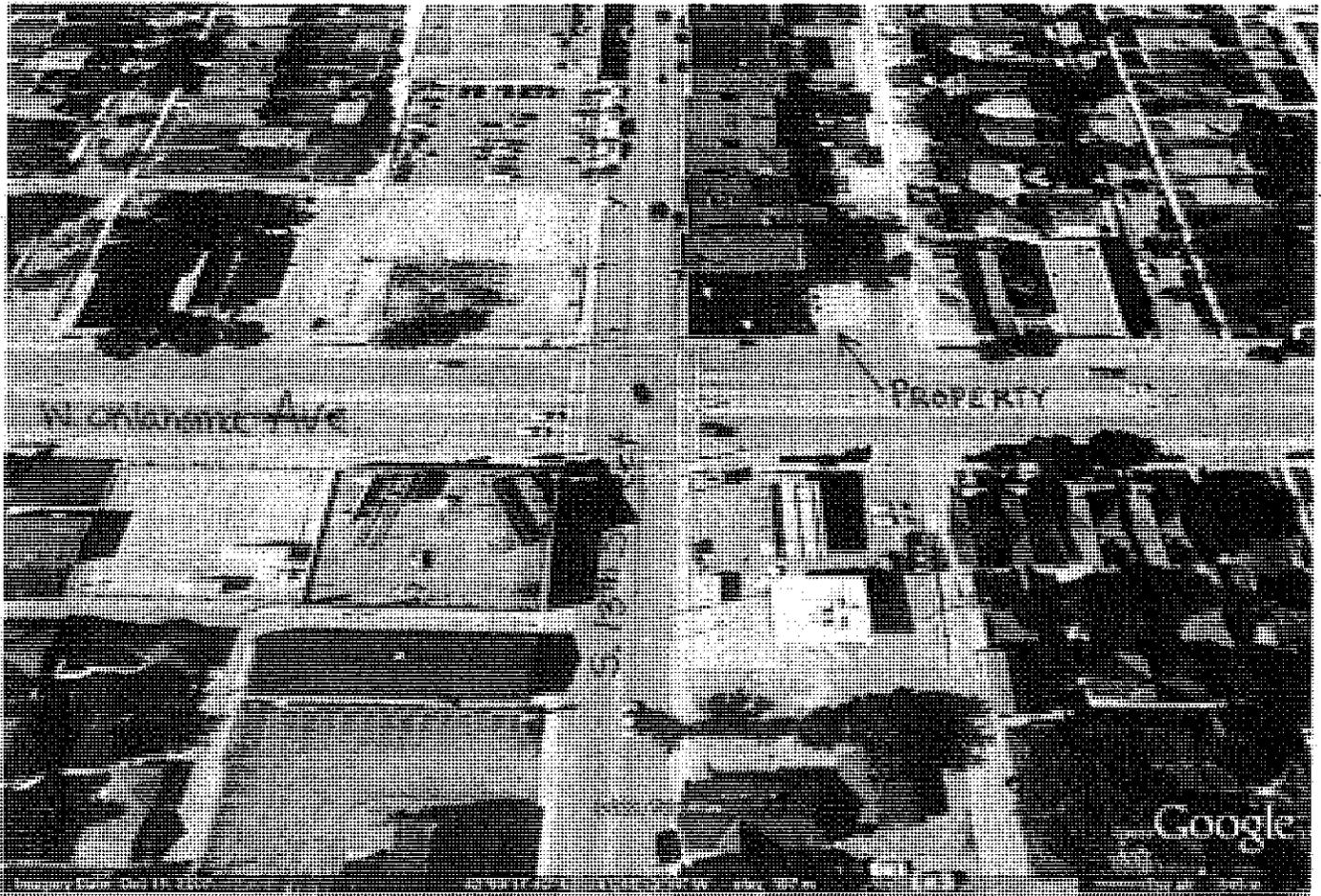


Figure 1: Former Payless Shoe Store
3074 S. 13th Street
Milwaukee, WI

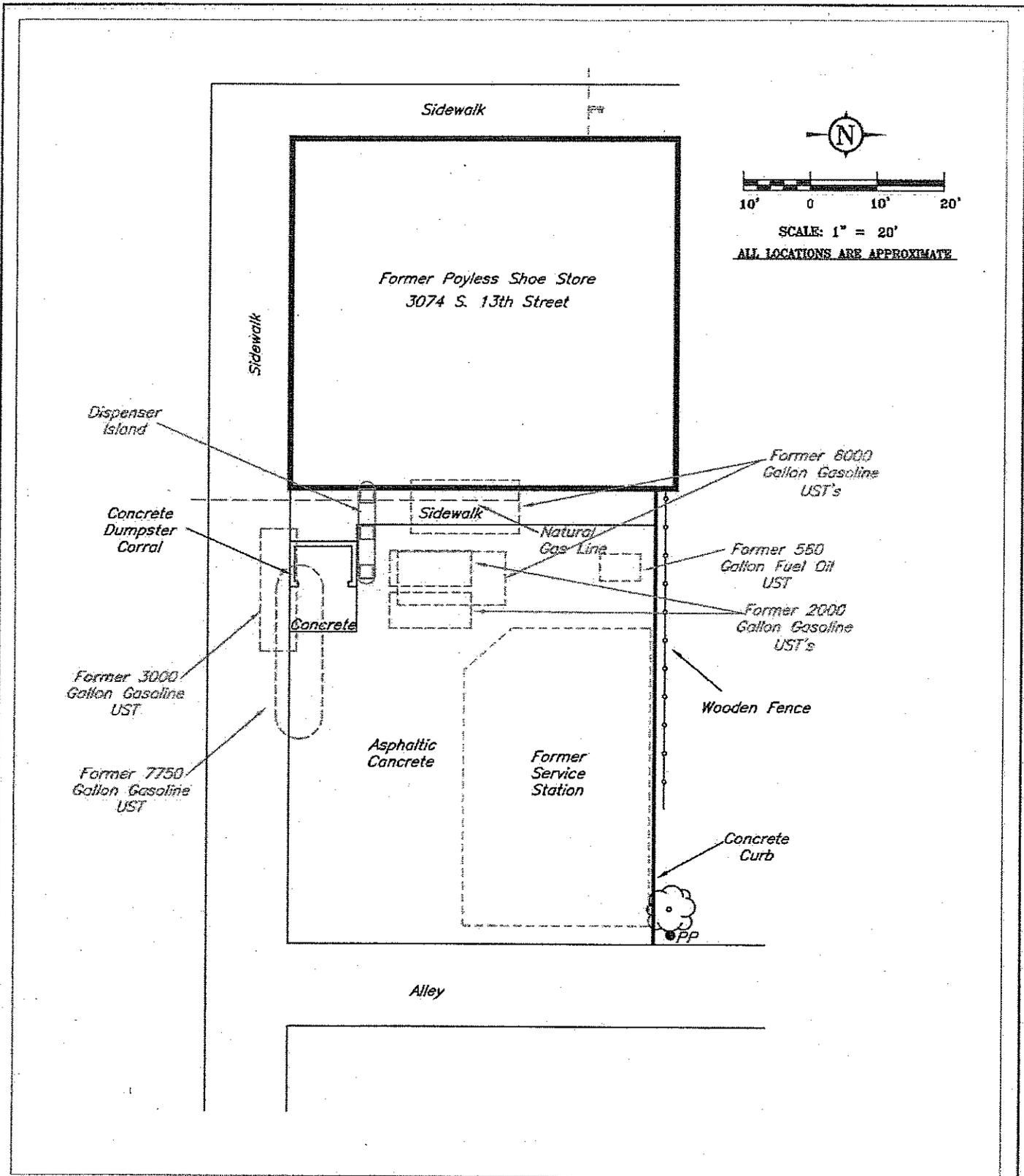


Figure 2: Site Plan Map

**United Engineering
Consultants, Inc.**

1647 W. Belknap Ave., Suite L8
West Allis, WI 53227

Tel. (414) 227-2790 • FAX (414) 227-2792

09067

DRAWN BY: ELD

DATE: 09/09

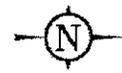
ID: 0909plot-1

Former Payless Shoe Store

3074 S. 13th Street

Milwaukee, WI 53022

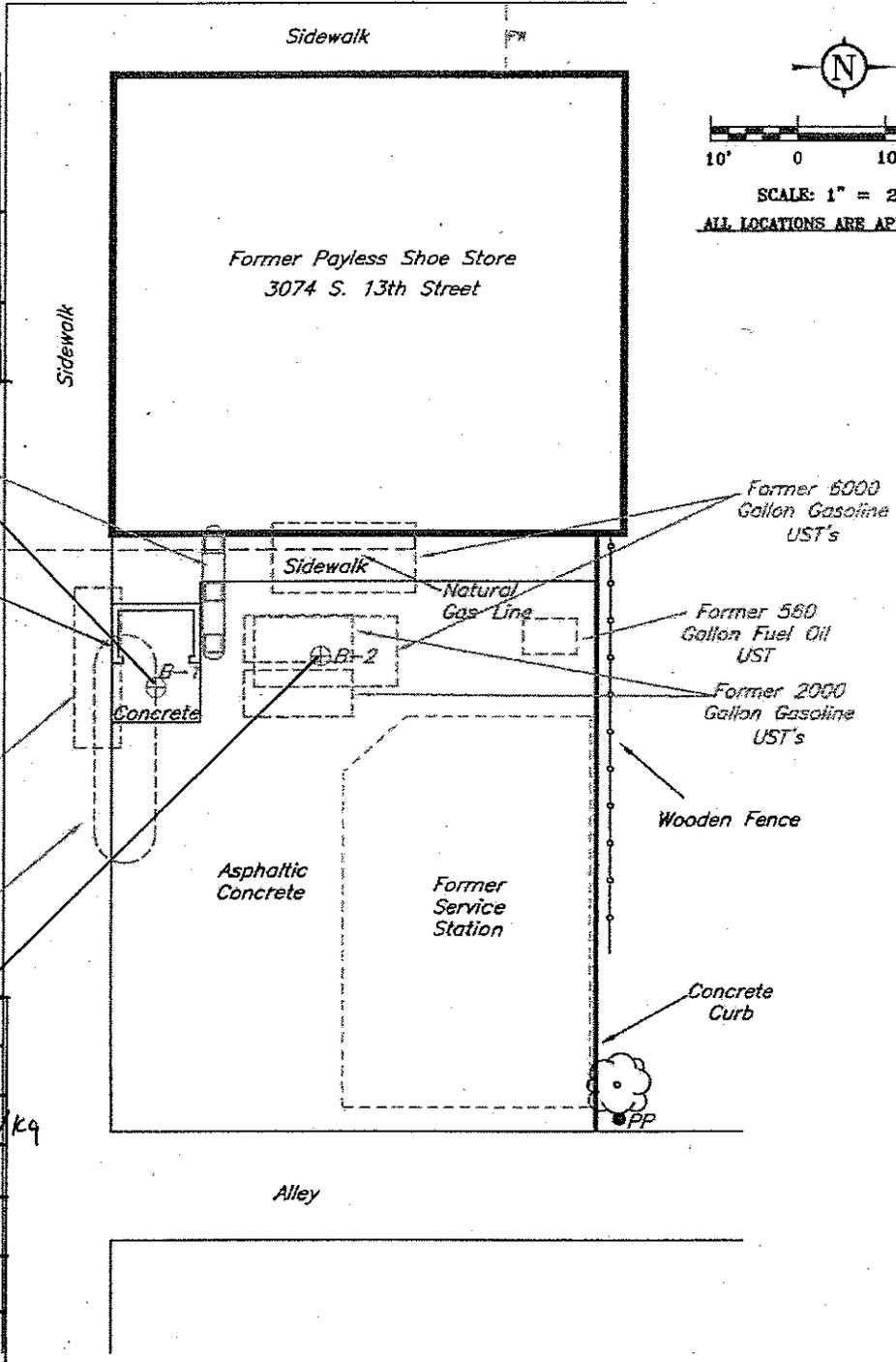
S. 13th Street



SCALE: 1" = 20'

ALL LOCATIONS ARE APPROXIMATE

B-1	
GRO	<10 mg/kg
B	<12.1 ug/kg
T	<93.0 ug/kg
E	<20.2 ug/kg
X	<50.6 ug/kg
Total TMB	<50.5 ug/kg



W. Oklahoma Avenue

B-2	
Depth	11'-12'
GRO	101 mg/kg 8.8 mg/kg
B	12.0 ug/kg <14.4 ug/kg
T	<89.9 <111.0
E	<19.5 <24.1
X	63.0 <60.2
Total TMB	28.0 170.0

Figure 3: Soil Boring Location Map

United Engineering Consultants, Inc.

16617 W. Oklahoma Ave., Suite 10
West Allis, WI 53227
Tel: (414) 327-8793 * FAX: (414) 327-8792

00007
DRAWN BY: MLB
DATE: 09/05
ID#: 00007plot-1

Former Payless Shoe Store
3074 S. 13th Street
Milwaukee, WI 53022

SOIL PROBE LOG

Project Name: Former Payless Shoe Store
 3074 S. 13th Street
 Milwaukee, Wisconsin 53022

Borehole Identification: B-1
 Project No.: 09007
 Date of Boring: 4/30/2009
 Field Representative: T. Anderson

VISUAL SOIL CLASSIFICATION	DEPTH (feet)	SAMPLE No.	N	Qp (tsf)	Qu (tsf)	MC %	PID (ppm)	REMARKS
Note A:								
Brown Clayey SILT, little Sand and Gravel (Fill)		1-GP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ND	
Intermittent gravel seams	5							5
		2-GP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ND	
Pea Gravel (Fill)								
	10							10
		3-GP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ND	
Gray Clayey SILT, little Sand and Gravel								
	15							15
		4-GP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ND	
Termination Depth of Probe: 16'								
Probe dry during advancement of the augers and upon completion.								
	20							20
Note A: 0"-4" +/- Concrete								
4"-16" +/- Crushed Limestone								
Base Course								
	25							25
	30							30
	35							35
	40							40

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes, such as fill-to-natural soil zone transitions.

SOIL PROBE LOG

Project Name: Former Payless Shoe Store
 3074 S. 13th Street
 Milwaukee, Wisconsin 53022

Borehole Identification: B-2
 Project No.: 09007
 Date of Boring: 4/30/2009
 Field Representative: T. Anderson

VISUAL SOIL CLASSIFICATION Ground Surface Elevation: ft	DEPTH (feet)	SAMPLE No.	N	Qp (tsf)	Qu (tsf)	MC %	PID (ppm)	REMARKS
Note A:								
Brown Clayey SILT, little Sand and Gravel (Fill)		1-GP	□	□	□	□	ND	
5 Black Sand and Gravel (FILL)	5	2-GP	□	□	□	□	110	5
Gray Clayey SILT, little Sand								
10 Brown Clayey SILT to Silty CLAY, little Sand	10	3-GP	□	□	□	□	10	10
Termination Depth of Probe: 12' Probe dry during advancement of the augers and upon completion.	15							15
Note A: 0"-2" +/- Asphaltic Concrete 2"-16" +/- Crushed Limestone Base Course	20							20
	25							25
	30							30
	35							35
	40							40

Lines of Demarcation represent an **approximate** boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes, such as fill-to-natural soil zone transitions.

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Timothy J. Anderson
United Engineering Consultants, Inc.
10617 W. Oklahoma Avenue Suite L2
West Allies, WI 53227

May 07, 2009

RE 09007

Lab Orders:
09050061

Dear Mr. Timothy J. Anderson:

Enclosed are the analytical reports for the EMT Lab Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me at 847-967-6666.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Jensen', written over a horizontal line.

Eric Jensen
Project Manager

Approved by,

A handwritten signature in black ink, appearing to read 'Mitchell Ostrowski', written over a horizontal line.

Mitchell Ostrowski
Laboratory Director

This Report Contains 7 pages

The Contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety.

State of Illinois Chemical Analysis in Drinking Water Accredited Lab. No. 100256
State of Wisconsin Wastewater and Hazardous Waste No. 99988890

environmental laboratory and testing services
water soil air product waste

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

CLIENT: United Engineering Consultants, Inc.

Date: 5/7/2009

Project: 09007

CASE NARRATIVE

Lab Order: 09050061

Unless otherwise noted, samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Sample results relate only to the analytes of interest tested and to the sample received at the laboratory.

All results are reported on a wet weight basis, unless otherwise noted. Dry weight adjusted results are indicated by the notation "dry" in the Units column.

Accreditation by the State of Illinois or Wisconsin is not an endorsement or a guarantee of the validity of data generated. For specific information regarding EMT's scope of accreditation, please contact your EMT project manager.

The Reporting Limit listed on the Report of Laboratory Analysis is EMT's reporting limit for the analyte reported. For most test methods this reporting limit is primarily based upon the lowest point in the calibration curve.

Analyst's initials of "OUT" indicate that the analyte was analyzed by a subcontracted laboratory.

Method References:

SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.

E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40 CFR Part 136, App A; methods for the Determination of Metals in Environmental Samples; Methods for the Determination of Organic Compounds in Drinking Water.

SM= APHA, Standard Methods for the Examination of Water and Wastewater.

D=ASTM, Annual Book of Standards

Analytical Comments for METHOD 8260_s, 09050061-01a: The reporting limits are based on MDL values. Analytical Comments for METHOD 8260_s, 09050061-02a: The reporting limits are based on MDL values. Analytical Comments for METHOD 8260_s, 09050061-03a: The reporting limits are

environmental laboratory and testing services

| water | soil | air | product | waste |

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

CLIENT: United Engineering Consultants, Inc.

Date: 5/7/2009

Project: 09007

CASE NARRATIVE

Lab Order: 09050061

based on MDL values.

environmental laboratory and testing services

| water | soil | air | product | waste |

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT: United Engineering Consultants, Inc.
Lab Order: 09050061
Project: 09007
Lab ID: 09050061-01

Client Sample ID: B-1
Report Date: 5/7/2009
Collection Date: 4/30/2009
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual Units	Date Analyzed	Batch	Analyst
Percent Moisture						
Method: SM2540G						
Percent Moisture	11.	0.1	% (Percent)	5/4/09	R126890	VT
Solids, Total						
Method: SM2540G						
Total Solids (Percent)	89.	0.1	% (Percent)	5/4/09	R126891	VT
Gasoline Range Organics						
Method: GRO-WDNR: PUBL-FW-140 / GRO-WDNR: PUBL-FW-140						
Gasoline Range Organics	< 10.	10.	mg/Kg-dry	5/4/09 16:21	50711	LP
Volatile Organic Compounds by GC/MS						
Method: SW8260B / SW5035						
1,2,4-Trimethylbenzene	< 28.3	28.3	µg/Kg-dry	5/6/09 01:55	50747	XN
1,3,5-Trimethylbenzene	< 22.2	22.2	µg/Kg-dry	5/6/09 01:55	50747	XN
Benzene	< 12.1	12.1	µg/Kg-dry	5/6/09 01:55	50747	XN
Ethylbenzene	< 20.2	20.2	µg/Kg-dry	5/6/09 01:55	50747	XN
Toluene	< 93.	93.	µg/Kg-dry	5/6/09 01:55	50747	XN
Xylenes, Total	< 50.6	50.6	µg/Kg-dry	5/6/09 01:55	50747	XN
Surrogates:						
4-Bromofluorobenzene	106	80-130	%REC	5/6/09 01:55	50747	XN
Fluorobenzene	98.1	80-120	%REC	5/6/09 01:55	50747	XN
Toluene-d8	93.3	80-120	%REC	5/6/09 01:55	50747	XN

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT: United Engineering Consultants, Inc.
Lab Order: 09050061
Project: 09007
Lab ID: 09050061-02

Client Sample ID: B-2
Report Date: 5/7/2009
Collection Date: 4/30/2009
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual Units	Date Analyzed	Batch	Analyst
Percent Moisture						
Method: SM2540G						
Percent Moisture	19.3	0.1	% (Percent)	5/4/09	R126890	VT
Solids, Total						
Method: SM2540G						
Total Solids (Percent)	80.7	0.1	% (Percent)	5/4/09	R126891	VT
Gasoline Range Organics						
Method: GRO-WDNR: PUBL-FW-140 / GRO-WDNR: PUBL-FW-140						
Gasoline Range Organics	101.	10.	mg/Kg-dry	5/5/09 13:33	50711	LP
Volatile Organic Compounds by GC/MS						
Method: SW8260B / SW5035						
1,2,4-Trimethylbenzene	28.	27.4	µg/Kg-dry	5/6/09 02:28	50747	XN
1,3,5-Trimethylbenzene	< 21.5	21.5	µg/Kg-dry	5/6/09 02:28	50747	XN
Benzene	12.	11.7	µg/Kg-dry	5/6/09 02:28	50747	XN
Ethylbenzene	< 19.5	19.5	µg/Kg-dry	5/6/09 02:28	50747	XN
Toluene	< 89.9	89.9	µg/Kg-dry	5/6/09 02:28	50747	XN
Xylenes, Total	63.	48.9	µg/Kg-dry	5/6/09 02:28	50747	XN
Surrogates:						
4-Bromofluorobenzene	105	80-130	%REC	5/6/09 02:28	50747	XN
Fluorobenzene	102	80-120	%REC	5/6/09 02:28	50747	XN
Toluene-d8	88.6	80-120	%REC	5/6/09 02:28	50747	XN

Qualifiers:
B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.



8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Report of Laboratory Analysis

CLIENT: United Engineering Consultants, Inc. Client Sample ID: B-2 11-12
Lab Order: 09050061 Report Date: 5/7/2009
Project: 09007 Collection Date: 4/30/2009
Lab ID: 09050061-03 Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	Date Analyzed	Batch	Analyst
Percent Moisture							
Method: SM2540G							
Percent Moisture	22.5	0.1		% (Percent)	5/4/09	R126890	VT
Solids, Total							
Method: SM2540G							
Total Solids (Percent)	77.5	0.1		% (Percent)	5/4/09	R126891	VT
Gasoline Range Organics							
Method: GRO-WDNR: PUBL-FW-140 / GRO-WDNR: PUBL-FW-140							
Gasoline Range Organics	8.8	10.	J	mg/Kg-dry	5/4/09 17:53	50711	LP
Volatile Organic Compounds by GC/MS							
Method: SW8260B / SW5035							
1,2,4-Trimethylbenzene	170.	33.7		µg/Kg-dry	5/6/09 03:01	50747	XN
1,3,5-Trimethylbenzene	< 26.5	26.5		µg/Kg-dry	5/6/09 03:01	50747	XN
Benzene	< 14.4	14.4		µg/Kg-dry	5/6/09 03:01	50747	XN
Ethylbenzene	< 24.1	24.1		µg/Kg-dry	5/6/09 03:01	50747	XN
Toluene	< 111.	111.		µg/Kg-dry	5/6/09 03:01	50747	XN
Xylenes, Total	< 60.2	60.2		µg/Kg-dry	5/6/09 03:01	50747	XN
Surrogates:							
4-Bromofluorobenzene	109	80-130		%REC	5/6/09 03:01	50747	XN
Fluorobenzene	103	80-120		%REC	5/6/09 03:01	50747	XN
Toluene-d8	98.3	80-120		%REC	5/6/09 03:01	50747	XN

Qualifiers: B - Analyte detected in the associated Method Blank S - Spike Recovery outside accepted recovery limits
E - Estimated R - RPD outside accepted recovery limits
H - Holding Time Exceeded J - Analyte detected below quantitation limits