ALPHA TERRA
SCIENCE

Site Investigation Work Plan for

One Hour Martinizing Facility
36929 Plank Road
Oconomowoc, WI Facility

June 26, 2008

Prepared For:

Mr. Brian Cass
OHM Holdings, LLC
36929 Plank Road
Oconomowoc, WI 53066

BRRTS # Pending

ALPHA TERRA SCIENCE, INC.

1237 Pilgrim Road
Plymouth, WI 53073
TEL (920) 892-2444
FAX (920) 892-2620

1642 County Road O
Mosinee, WI 54455
TEL (715) 457-2259
FAX (715) 457-6663

TABLE OF CONTENTS

I, Kendrick A. Ebbott, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature and Title

6-26-08
Date

1.0 SITE CONDITIONS

The site location and local topography are shown on Figure 1. The site is located in the NW¼ of the NW ¼ of Section 3, Township 7 North, Range 17 E, in Oconomowoc, Wisconsin (Figure 1). The site is owned by the OHM Holdings, LLC, and the property address is 36929 Plank Road, located on the south side of Plank Road, which is a frontage road for State Highway 16 / 67.

1.1 Site History and Contacts

Historical property use was obtained from discussions with Mr. Brian Cass, whose family has operated the facility for many years. Additional historic information about the property was determined by review of historic aerial photographs.

The site consists of one roughly rectangular parcel that consists of roughly 8.1 acres. The building houses the One Hour Martinizing drycleaner within a multi-tenant building that includes a Pick 'n Save grocery store. OHM is a tenant in the building, and the property owner is listed as Mcadams Realty Oconomowoc LLP on the Waukesha County tax listing.

The entire building will be demolished and a new grocery store constructed during the summer of 2008. Environmental testing, and, if necessary, remediation activities may be completed during the reconstruction period. The site investigation needs to be completed on a fast track to comply with the construction schedule.

Based on review of aerial photographs, the property was formerly a gravel pit from at least 1940 to 1963. Drycleaning has been completed in the north central portion of the building since the building was originally constructed in the mid-to-late 1960's, and will be terminated at the end of June 2008. The active drycleaning store measures roughly 100 feet east / west by 20 feet north / south, and other stores are housed in the building to the east, west, and south (Figure 2). The original building consisted of just the drycleaning store and the larger grocery store. Expansion between 1980 and 1990 added building space to the east and west of the drycleaning building.

According to Mr. Brian Cass of OHM, the drycleaning machine has always been located on the northeast corner of the store. Tetrachloroethene (PCE) has been the drycleaning solvent. Delivery of the solvent occurred through the northern doors located near the dryclean machine, and drums were stored adjacent to the machine. The dumpsters for the building are currently located to the southeast, but were located west of the building prior to the expansion of the structure in the 1980's.

The facility contacts are as follows:

Owner Contact: Mr. Brian Cass
OHM Holdings, LLC
36929 Plank Road
Oconomowoc, WI 53066
(262) 521-9710 / (414) 588-9847 Cell

Consultant: Mr. Kendrick Ebbott
Alpha Terra Science
1237 S. Pilgrim Road
Plymouth, WI 53073
(920) 892-2444 / 2620 FAX
kenebbott@alphaterra.net

Legal Counsel: Mr. Don Gallo
Reinhart, Boerner, et. al.
P.O. Box 2265
Waukesha, WI 53187-2265
(262) 951-4555 / 4690 FAX
dgallo@reinhartlaw.com

Regulatory Project Manager:
Pending Assignment
WDNR Waukesha Service Center
141 NW Barstow, Room 180
Waukesha, WI 53188
(262) 574-2100

1.2 Detected Contaminants

Giles Engineering, Waukesha, WI completed a Phase II investigation of the property in May 2008. Contamination was detected, and a release has been reported to the WDNR. The WDNR issued a "responsible party" letter requiring a site investigation be completed.

Three soil borings were advanced to depths of up to 16 feet, and five soil samples were obtained for laboratory analysis of volatile organic compounds (VOCs). The boring locations and soil chemistry results are shown on Figure 2. Groundwater was not present in the borings, so no water samples were obtained.

The drycleaning solvent tetrachloroethene (PCE) was present in the soil beneath the building floor adjacent to the drycleaning machine at levels of up to 2.7 mg/kg. PCE was present in all five tested soil samples, but at low concentrations.

Typical potential areas for PCE release include incidental spills at the drycleaning machine, around solvent storage areas, spillage during solvent delivery, and disposal of PCE wastes during filter cleaning or lint disposal near the facility dumpster.

1.3 Geology/Hydrogeology

The soils at the site have been evaluated to a depth of 16 feet, and consist of clayey silt and fine sand. The previous use of the site as a gravel pit indicates this material is likely fill, and may extend a considerable depth. Gravel pit operations often terminate at the water table surface.

Three nearby environmental repair sites are located within approximately 2000 feet west of the site (Attachment A). These facilities encountered sandy geologic material, with a depth to water of approximately 15 feet below grade. The groundwater flow direction is generally to the north, with groundwater present at an elevation of approximately 865 feet above mean sea level. The Oconomowoc River water elevation is also approximately 865 feet msl, and the elevation at the site is approximately 890 feet msl. The depth to water beneath the site is estimated at 25 feet below grade.

The geology at the site is mapped as pitted outwash[1], and the depth to bedrock is greater than 100 feet[2].

1.4 Potential Contaminant Migration Pathways of Concern and Utilities

Utility corridors and potential municipal or private water supply wells will be located during the site investigation. Vapor migration into the existing building will not be a factor due to demolition of the structure. Upon reconstruction, steps should be taken to minimize the potential for vapor intrusion.

2.0 PROPOSED INVESTIGATION

The purpose of the project is to define the extent of drycleaning solvent contamination in the site soil and groundwater. If significant levels are present in the groundwater, an interim remedial action will likely be proposed to eliminate remaining contamination prior to reconstruction of the building.

Based on the existing information, it is not known if groundwater contamination exists. The need for active remediation will primarily be driven by the level of contamination, if any, present in the groundwater.

Due to the construction timeframe, expedited analysis of soil and groundwater samples is necessary. The cost for rapid analysis will not be eligible for reimbursement under the DERF program. The cost for routine turnaround of the laboratory analyses should be eligible for reimbursement.

---

[1] *Hadley and Pelham, 1976, Glacial Deposits of Wisconsin*
[2] *Trotta and Cotter, 1973, Depth to Bedrock in Wisconsin*

The scope of work has been broken down on a task-by-task basis for your convenience. As the project unfolds and results become known, it is possible additional borings or laboratory analyses may be necessary to define the limits of contamination. All significant changes to the scope of the project and the budget will be discussed and approved by you and the WDNR project manager prior to implementation.

Task 1: Preparation and Approval of an NR 716 Site Investigation Work Plan

Per a requirement of DERP and WDNR regulations, this report serves as the Site Investigation Work Plan.

Task 2: Soil Borings and Water Samples, Lab Analysis

The objective of this phase of the project is to define the horizontal and vertical extent of contamination in the soil, and evaluate whether groundwater contamination is present and laterally extensive. This information will be used to evaluate whether an interim remedial action is necessary.

If significant groundwater contamination is present, the investigation information will likely trigger the need for a soil remedial action, and allow focused placement of monitoring wells installed to the NR141 code requirements following building reconstruction and parking lot asphalt installation.

, and try to demolish and install new facilities around the wells during the reconstruction. If necessary, wells will be installed following reconstruction.

Twelve soil borings are proposed for installation, all using a Geoprobe rig for soil sampling purposes. The proposed boring locations are shown on Figure 2. The boring locations intend to evaluate potential release areas, both current and historic, across the drycleaning property.

Seven of the borings will be advanced to 32 feet below grade, or several feet into the water table, using a dual tube sampler to prevent hole collapse. Continuous soil samples will be retained for geologic logging and soil evaluation purposes. Five of the borings will only be advanced to 12 feet below grade. The recovered soil will be retained in two-foot intervals for field analysis of VOCs using a photoionization detector (PID). Two to three soil intervals will be retained for laboratory analysis of VOCs, based on the field meter response and previous results. The anticipated depth of the soil samples are shown on Figure 2, but may shift based on field observations.

A Geoprobe mounted on a skid steer rig will be used to advance the borings, which include five locations inside the existing building.

The depth to water is estimated at approximately 25 feet below grade. Upon reaching the water table surface, a grab water sample will be obtained from inside the Geoprobe sampler using individually dedicated polyethylene tubing. A vacuum pump or peristaltic pump will be used to draw water into the tubing, and the water will be placed in laboratory–provided containers for analysis of VOCs.

If the Geoprobe can not penetrate to below the water table due to refusal, a contingency for use of a conventional truck mounted drilling rig that advances hollow stem augers has been provided in our proposal. If necessary, the Geoprobe will complete the soil sampling to as great a depth as possible. Upon refusal, a drill rig with screened hollow stem augers will be used to blind drill to below the water table surface. Some limited soil sampling will be completed by advancing a 1.5 foot long split spoon sampler every five feet of penetration over the interval below the Geoprobe terminal depth. This obviously will not be possible at the inside locations, and the two water sample locations that are planned for inside the building may have to be shifted to the north immediately outside the building if refusal occurs.

At most locations, it does not make sense to install monitoring wells at the present time if grab water samples can easily be obtained. With pending construction activities and building demolition, it is likely wells within the building footprint would be lost or damaged. At locations B-8, B-9, B-10, and B-11, grab water samples will be obtained even if auger drilling is used to reach the water table surface.

However, if it is necessary to use a truck mounted drill rig to advance 8-inch diameter hollow stem augers to obtain water samples, at some of the locations, particularly the upgradient and downgradient locations B-7, B-12, and B-13, it would make sense to install an NR141 monitoring well. As long as the work has been done to reach the water table using an 8-inch diameter boring, an NR-141 compliant well should be installed at these locations. A contingency for use of the drill rig at all seven water sample locations, including completion of three of the borings as NR141 wells, has been included in the cost estimate portion of the proposal. If constructed, Alpha Terra Science will develop and sample the NR141 wells upon installation.

If drilling is necessary, soil cuttings displaced during drilling will be drummed and stored on-site in the rear of the property. Upon receipt of the laboratory analytical results, the drummed soil can be approved for landfill disposal. An estimated six drums of soil are expected to be generated if hollow stem auger drilling is necessary to obtain grab water samples. Disposal will presumably be completed as non-hazardous waste.

An estimated 26 soil samples and seven water samples will be run for VOC analysis. Due to the tight time frame, testing will be completed using a fixed base laboratory on a 24-hour turnaround. A duplicate water sample will be obtained, if sample volume permits, and a methanol blank and trip blank sample will also be run for quality control purposes.

Task 3: Data Evaluation and Interpretation

Once the soil and groundwater sampling laboratory results are received, the data will be tabulated, mapped, and interpreted. If the results indicate a soil remedial action is warranted and the extent isn't completed define din all directions, it may be more cost effective to complete a test pit evaluation of the extent of contamination on the first day of the remedial action, rather than attempt to nail down the extent of contamination with a second Geoprobe mobilization.

The results will be discussed with the WDNR project manager, and e-mail correspondence will be exchanged regarding the next step in the project. The information will include an evaluation of the results and whether there is any need for additional action beyond the proposed scope of work. It is expected no additional action will be needed, and a site investigation report can be prepared.

Task 4: Site Investigation Report Preparation

Upon completion of the proposed sampling, the findings will be compiled in a Site Investigation Report. The report will present the investigation findings in a concise manner, and will include all supporting data.

It is anticipated the extent of contamination will have been adequately defined for remediation purposes, and that some sort of remediation will be warranted. The report will include a proposal for completion of an Interim Remedial Action, which will be completed in conjunction with the building demolition and construction work. If appropriate, estimated volumes of soil to be excavated and landfilled will be calculated based in the investigation results. If necessary, a mobile laboratory may be proposed for use during the remedial excavation to define the extent of contamination at the excavation perimeter.

Although not expected to be necessary due to the planned construction of a parking lot over the former drycleaner portion of the site, the interim remedial action may include vapor mitigation activities.

Costs for implementation of the remedial action will be provided, and WDNR approval of the Interim Remedial Action will be necessary prior to implementation.

Task 5: Project Management

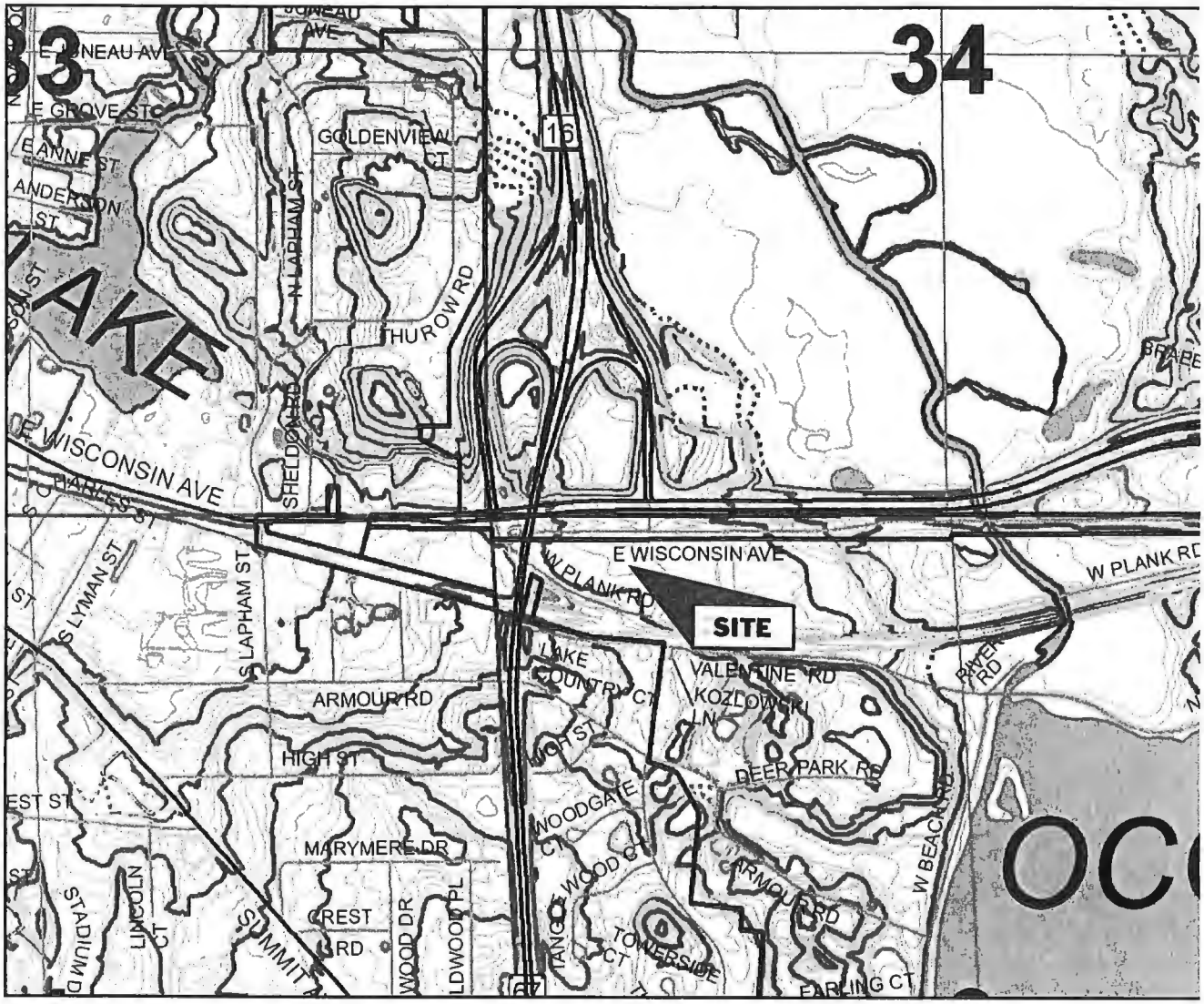
Project management activities include bidding, scheduling, management, project coordination, budget tracking, and subcontractor invoice evaluation. Alpha Terra Science will track the project budget on a monthly basis versus the approved amount on our invoices.

3.0 SCHEDULE

Based on DERP rules, WDNR approval of the scope of work and budget is necessary to ensure DERF reimbursement of the expenses. It is our understanding that the WDNR will work cooperatively with us on the schedule to fast track this project.

We have checked with the driller and laboratory, and the following schedule can be implemented:

Work Plan Approval by WDNR	By July 3
Field Investigation (2 to 3 days)	Week of July 7
Lab Results	July 11, July 14
Data Evaluation, Interpretation, E-mail Data, Discuss	Week of July 14
Report Submittal	July 23
WDNR Approval of Interim Remedial Action	July 28
Implement Remedial Action	August 2008
Remedial Action Documentation Report	End August 2008
NR141 Monitoring Well Installation (if needed)	Fall 2008

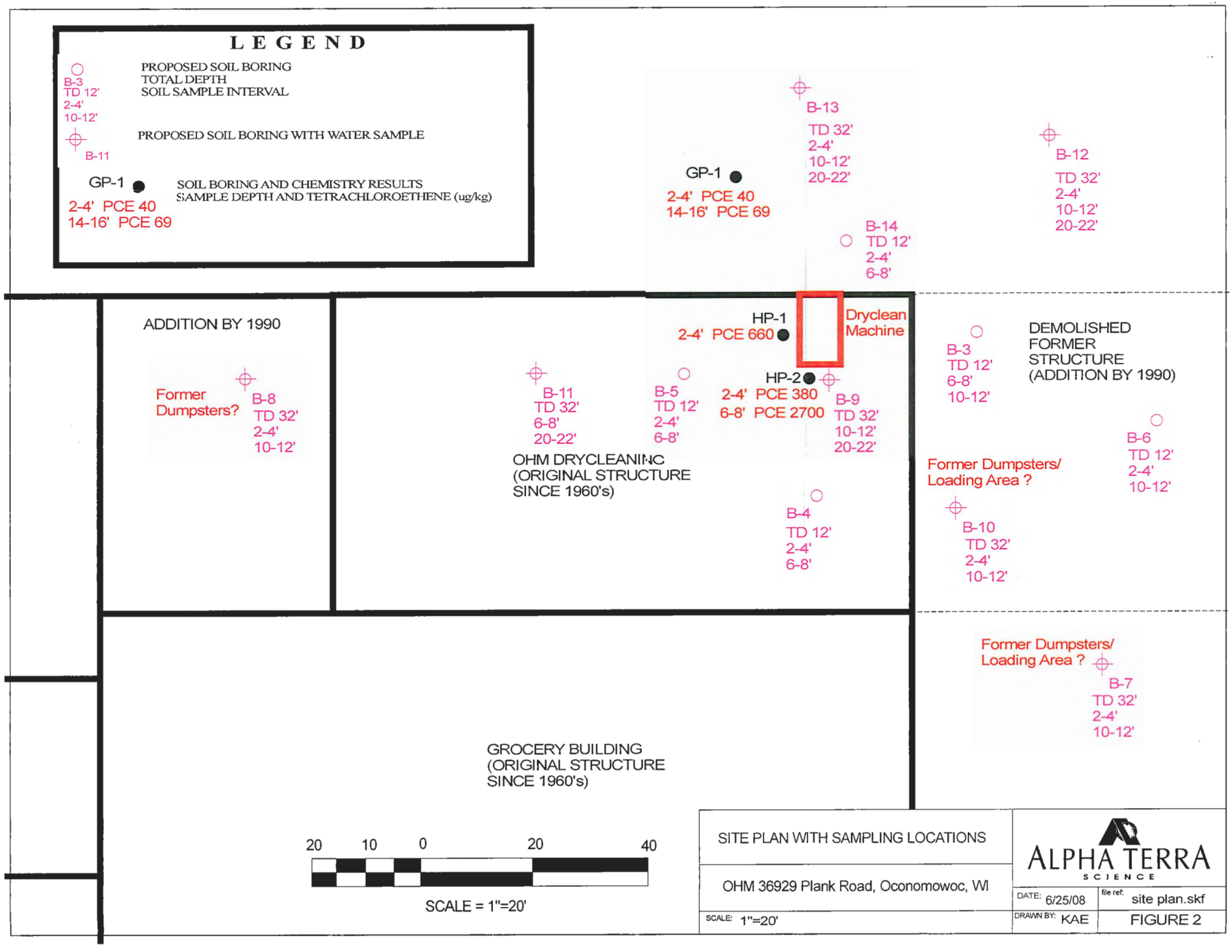


0 1000 2000 3000 ft.

-N-

SOURCE: Waukesha County Internet Mapping Site

SITE LOCATION AND LOCAL TOPOGRAPHY				ALPHA TERRA SCIENCE	
OHM, 36929 Plank Road, Oconomowoc, WI					
REV	DATE	DESCRIPTION	APPVD		
				DATE: 6/26/08	DWG #.. sitelocation
SCALE 1:12,000				APPROVED: KAE	FIGURE 1



SITE PLAN WITH SAMPLING LOCATIONS

OHM 36929 Plank Road, Oconomowoc, WI

SCALE: 1"=20'

ALPHA TERRA SCIENCE

DATE: 6/25/08

file ref: site plan.skf

DRAWN BY: KAE

FIGURE 2

ATTACHMENT A

OFF-SITE GEOLOGIC INFORMATION

GIS Info June 2008

Legend

- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- Railroads
- Major Highways
- Interstate
- US Highway
- State Highway
- Local Roads
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities

0 700 1400 2100 ft.

Map created on Jun 19, 2008

Note: Not all RR Sites have been geo-located yet.

Scale: 1:7,199

GIS REGISTRY INFORMATION

SITE NAME: Dairyland Fuels, Inc.

BRRTS #: 03-68-003006 **FID # (if appropriate):** 268350500

COMMERCE # (if appropriate): 53066999918

CLOSURE DATE: 5-6-05

STREET ADDRESS: 37217 E. Wisconsin Ave.

CITY: Oconomowoc

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 643245 Y= 293782

CONTAMINATED MEDIA: Groundwater [X] Soil [ ] Both [ ]

OFF-SOURCE GW CONTAMINATION >ES: [X] Yes [ ] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= 643314 Y= 293782

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [X] Yes [ ] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued ✓

Copy of most recent deed, including legal description, for all affected properties ✓

Certified survey map or relevant portion of the recorded plat map ***(if referenced in the legal description)*** **for all affected properties** NA

County Parcel ID number, ***if used for county,*** **for all affected properties** SUMT 0589,999 ✓

Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site. ✓

Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. ✓

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching) } pdf (e-mailed on file) ✓

Tables of Latest Soil Analytical Results (no shading or cross-hatching) ✓

Isoconcentration map(s), ***if required for site investigation (SI)*** **(8.5x14" if paper copy).** The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.** ✓

GW: Table of water level elevations, with sampling dates, and free product noted if present ✓

GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees) ✓

SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour NA

Geologic cross-sections, ***If required for SI.*** **(8.5x14' if paper copy)** NA

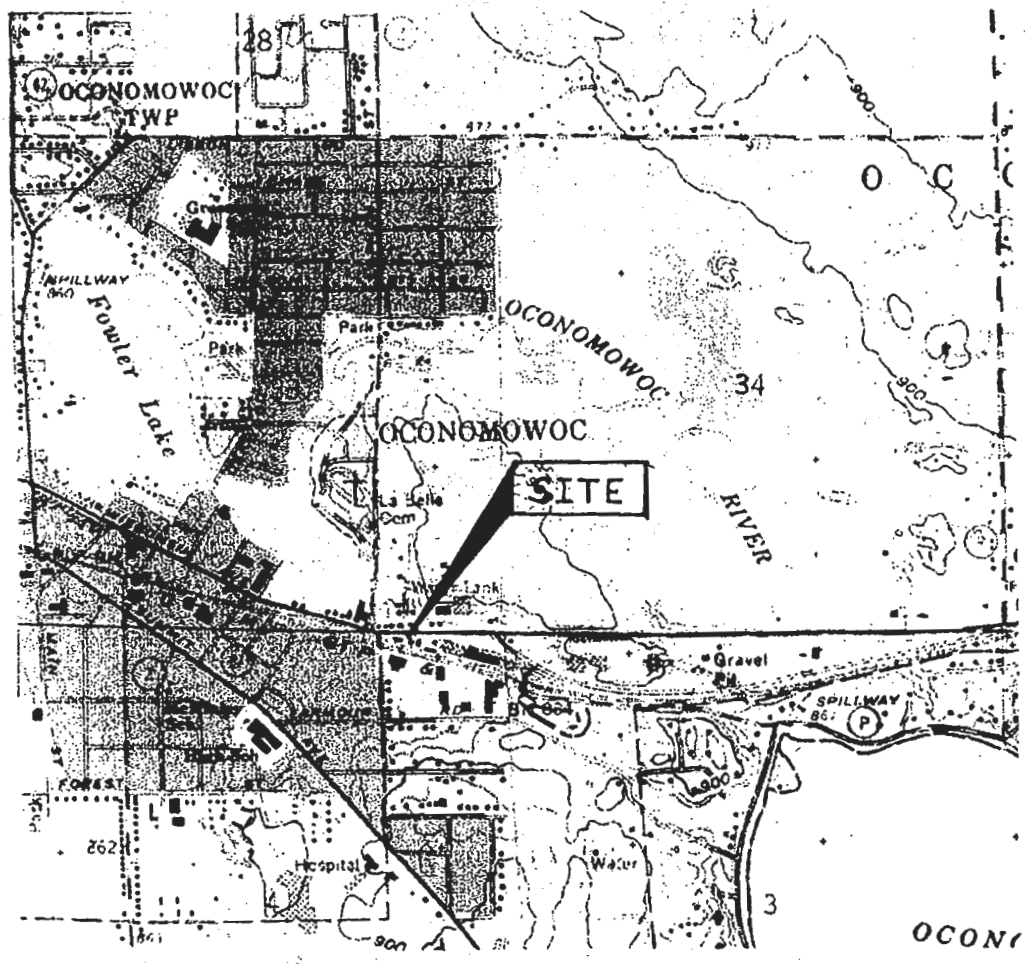
RP certified statement that legal descriptions are complete and accurate ✓

Copies of off-source notification letters (if applicable)

Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW) ✓

Copy of (soil or land use) deed restriction(s) or deed notice ***if any required as a condition of closure*** NA

N



(USGS [1976] 1980)

SCALE
1:24000

1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

LOCATION

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
6				
5				
4				
3				
2				
1				

THIS IS A COMPUTER GENERATED DRAWING AND ONLY EDITS CONSISTENT WITH ENVIROGEN'S ORIGINAL CAD FORMAT SHALL BE CONSIDERED VALID COPIES.

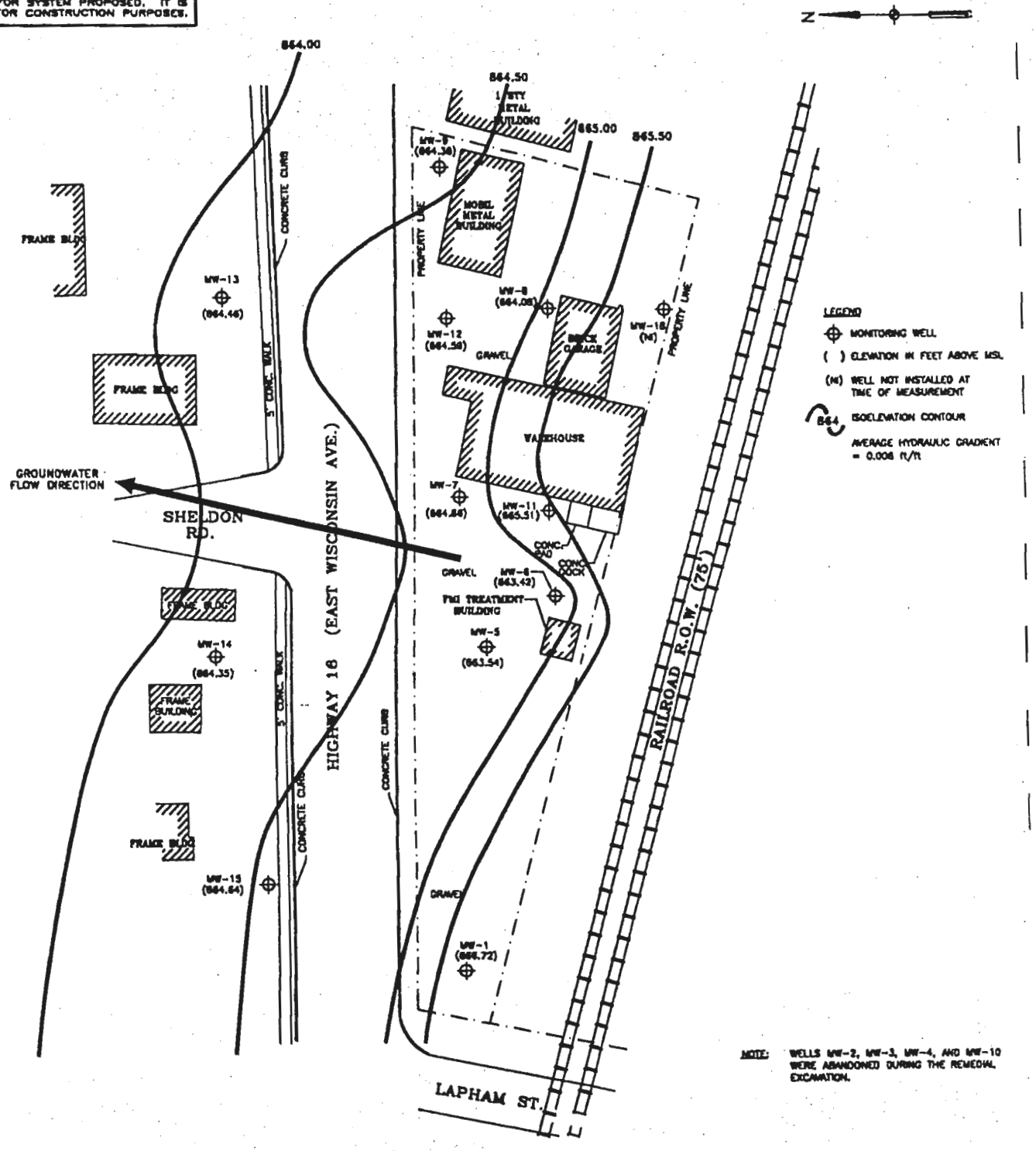
ENVIROGEN

2831 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

DAIRYLAND FUELS OCONOMOWOC BULK PLANT SITE
OCONOMOWOC, WISCONSIN

SITE LOCATION MAP

SCALE	AS NOTED
DESIGNED BY/DATE	SWT 1/28/99
DRAWN BY/DATE	LME 1/29/99
CHECKED BY/DATE	SWT 1/29/99
SHEET SIZE	A
REVISION	0
SHEET	1 OF 6
DRAWING #	1
FILE #	92.725L1



NOTE: WELLS MW-2, MW-3, MW-4, AND MW-10 WERE ABANDONED DURING THE REMEDIAL EXCAVATION.

SCALE

0 10' 30' 50' 70'

REV	DATE	DESCRIPTION OF REVISION	DRAWN BY	CHECKED BY
4				
3				
2				
1				

THIS IS A COMPUTER GENERATED DRAWING AND ONLY EDITS CONSISTENT WITH ENVIROGEN'S ORIGINAL CAD FORMAT SHALL BE CONSIDERED VALID COPIES.

SCALE	1" = 70'
DESIGNED BY/DATE	SWT 1/29/99
DRAWN BY/DATE	LME 1/29/99
CHECKED BY/DATE	SWT 1/29/99
SHEET SIZE	A
REVISION	0
SHEET	3 OF 6
DRAWING #	3
FILE #	92.725L3

ENVIROGEN

2831 North Grandview Blvd.
Pewaukee, Wisconsin 53072-0090

DAIRYLAND FUELS OCONOMOWOC BULK PLANT SITE
OCONOMOWOC, WISCONSIN

POTENTIOMETRIC SURFACE (5/19/98)

TABLE 1

Historical Groundwater Elevations
Dairyland Fuels Oconomowoc Bulk Plant
Oconomowoc, Wisconsin

Date	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6	
	TOC Elevation = 873.37		TOC Elevation = 872.96		TOC Elevation = 872.93		TOC Elevation = 873.34		TOC Elevation = 873.11		TOC Elevation = 873.26	
	TOS Elevation = 867.6		TOS Elevation = 869.8		TOS Elevation = 868.8		TOS Elevation = 869.2		TOS Elevation = 868.9		TOS Elevation = 868.9	
	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation
03/08/93	7.68	865.69	NA	NA	NA	NA	NA	NA	7.17	865.94	8.63	864.63
04/19/93	3.2	870.17	1.25	871.71	3.63	869.3	7.56	865.78	5.71	867.4	4.97	868.29
10/21/93	6.9	866.47	6.56	866.4	6.6	866.33	11.77	861.57	7.25	865.86	7.64	865.62
06/13/96	4.96	868.41	EXC	EXC	EXC	EXC	EXC	EXC	6.85	866.26	7.2	866.06
09/18/96	8.2	865.17	EXC	EXC	EXC	EXC	EXC	EXC	9.9	863.21	10.74	862.52
10/23/96	7.23	866.14	EXC	EXC	EXC	EXC	EXC	EXC	9.71	863.4	10.31	862.95
11/20/96	7.93	865.44	EXC	EXC	EXC	EXC	EXC	EXC	10.02	863.09	10.83	862.43
12/13/96	8.11	865.26	EXC	EXC	EXC	EXC	EXC	EXC	10.11	863	10.95	862.31
01/20/97	NA	NA	EXC	EXC	EXC	EXC	EXC	EXC	10.05	863.06	10.87	862.39
02/21/97	3.46	869.91	EXC	EXC	EXC	EXC	EXC	EXC	6.55	866.56	NA	NA
03/20/97	6.34	867.03	EXC	EXC	EXC	EXC	EXC	EXC	9.35	863.76	NA	NA
03/26/97	5.91	867.46	EXC	EXC	EXC	EXC	EXC	EXC	7.96	865.15	5.86	867.4
04/08/97	5.45	867.92	EXC	EXC	EXC	EXC	EXC	EXC	6.92	866.19	NA	NA
05/30/97	8.33	865.04	EXC	EXC	EXC	EXC	EXC	EXC	8.1	865.01	6.85	866.41
06/19/97	7.44	865.93	EXC	EXC	EXC	EXC	EXC	EXC	9.49	863.62	5.97	867.29
07/25/97	NA	NA	EXC	EXC	EXC	EXC	EXC	EXC	NA	NA	NA	NA
11/14/97	9	864.37	EXC	EXC	EXC	EXC	EXC	EXC	11.15	861.96	11.71	861.55
03/04/98	7.5	865.87	EXC	EXC	EXC	EXC	EXC	EXC	10.8	862.31	10.75	862.51
05/19/98	6.65	866.72	EXC	EXC	EXC	EXC	EXC	EXC	9.57	863.54	9.84	863.42
09/22/98	7.35	866.02	EXC	EXC	EXC	EXC	EXC	EXC	NA	NA	NA	NA
12/15/98	NA	NA	EXC	EXC	EXC	EXC	EXC	EXC	NA	NA	NA	NA

(Continued)

Notes:

Elevations are in feet above mean sea level. Feet to water was measured from the top-of-casing (TOC).

NA: Not analyzed

EXC: removed during excavation

TOS: Top-of-screen

Checked by: SWT 2/4/99 Approved by: _____

TABLE 1
(Continued)
Historical Groundwater Elevations
Dairyland Fuels Oconomowoc Bulk Plant
Oconomowoc, Wisconsin

Date	MW-7		MW-8		MW-9		MW-10		MW-11		MW-12	
	TOC Elevation = 876.44		TOC Elevation = 875.67		TOC Elevation = 879.00		TOC Elevation = 872.79		TOC Elevation = 877.36		TOC Elevation = 875.89	
	TOS Elevation = 872.4		TOS Elevation = 871.4		TOS Elevation = 874.7		TOS Elevation = 869.2		TOS Elevation = 873.9		TOS Elevation = 872.3	
	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation
03/08/93	11.86	864.58	10.94	864.73	14.41	864.59	NA	NA	NA	NA	NA	NA
04/19/93	10.3	866.14	9.55	866.12	12.86	866.14	NA	NA	NA	NA	NA	NA
10/21/93	11.0	865.44	10.0	865.67	13.47	865.53	6.0	866.79	11.4	865.96	10.47	865.42
06/13/96	11.0	865.44	10.04	865.63	13.65	865.35	EXC	NA	10.98	866.38	10.99	864.9
09/18/96	12.08	864.36	11.04	864.63	14.5	864.5	EXC	NA	12.57	864.79	11.83	864.06
10/23/96	11.79	864.65	10.72	864.95	14.28	864.72	EXC	NA	12.2	865.16	11.61	864.28
11/20/96	11.82	864.62	11.05	864.62	14.61	864.39	EXC	NA	NA	NA	12.13	863.76
12/13/96	12.16	864.28	11.09	864.58	14.71	864.29	EXC	NA	12.61	864.75	12.05	863.84
01/20/97	NA	NA	11.22	864.45	14.81	864.19	EXC	NA	12.65	864.71	12.04	863.85
02/21/97	NA	NA	NA	NA	14.15	864.85	EXC	NA	NA	NA	11.61	864.28
03/20/97	NA	NA	10.46	865.21	14.21	864.79	EXC	NA	11.22	866.14	9.73	866.16
03/26/97	11.38	865.06	10.55	865.12	14.19	864.81	EXC	NA	11.45	865.91	9.3	866.59
04/08/97	11.34	865.1	10.34	865.33	14.21	864.79	EXC	NA	11.86	865.5	11.43	864.46
05/30/97	11.8	864.64	10.51	865.16	14.29	864.71	EXC	NA	11.74	865.62	11.59	864.3
06/19/97	12.36	864.08	11.25	864.42	14.9	864.1	EXC	NA	12.13	865.23	11.99	863.9
07/25/97	NA	NA	NA	NA	NA	NA	EXC	NA	NA	NA	NA	NA
11/14/97	12.75	863.69	12.05	863.62	15.8	863.2	EXC	NA	13.05	864.31	12.79	863.1
03/04/98	12.48	863.96	11.9	863.77	15.4	863.6	EXC	NA	12.83	864.53	12.68	863.21
05/19/98	11.58	864.86	10.59	865.08	14.62	864.38	EXC	NA	11.85	865.51	11.3	864.59
09/22/98	NA	NA	11.53	864.14	NA	NA	EXC	NA	NA	NA	12.92	862.97
12/15/98	12.04	864.4	10.97	864.7	14.5	864.5	EXC	NA	NA	NA	11.85	864.04

(Continued)

Notes:

Elevations are in feet above mean sea level. Feet to water was measured from the top-of-casing (TOC).

NA: Not analyzed

EXC: removed during excavation

TOS: Top-of-screen

Checked by: SWT 7/4/99 Approved by: _____

TABLE 1
(Continued)
Historical Groundwater Elevations
Dairyland Fuels Oconomowoc Bulk Plant
Oconomowoc, Wisconsin

Date	MW-13		MW-14		MW-15		MW-18	
	TOC Elevation = 874.78		TOC Elevation = 870.7		TOC Elevation = 871.79		TOC Elevation = 877.57	
	TOS Elevation = 871.3		TOS Elevation = 868.3		TOS Elevation = 868.3		TOS Elevation = 874.64	
	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation	Feet to Water	Elevation
03/08/93	NA	NA	NA	NA	NA	NA	NA	NA
04/19/93	NA	NA	NA	NA	NA	NA	NA	NA
10/21/93	9.5	865.28	5.57	865.13	6.45	865.34	NA	NA
06/13/96	9.64	865.14	5.62	865.08	5.0	866.79	NA	NA
09/18/96	10.5	864.28	6.58	864.12	7.73	864.06	NA	NA
10/23/96	10.26	864.52	6.33	864.37	7.11	864.68	NA	NA
11/20/96	10.78	864	6.71	863.99	7.63	864.16	NA	NA
12/13/96	NA	NA	6.74	863.96	NA	NA	NA	NA
01/20/97	10.78	864	6.82	863.88	NA	NA	NA	NA
02/21/97	11.09	863.69	5.95	864.75	NA	NA	NA	NA
03/20/97	10.15	864.63	6.22	864.48	6.48	865.31	NA	NA
03/26/97	10.12	864.66	6.19	864.51	6.18	865.61	NA	NA
04/08/97	10.17	864.61	6.2	864.5	6.86	864.93	NA	NA
05/30/97	10.29	864.49	6.32	864.38	7.15	864.64	NA	NA
06/19/97	10.92	863.86	6.8	863.9	7.85	863.94	NA	NA
07/25/97	NA	NA	NA	NA	NA	NA	NA	NA
11/14/97	11.57	863.21	7.47	863.23	8.55	863.24	NA	NA
03/04/98	11.19	863.59	6.75	863.95	8.2	863.59	NA	NA
05/19/98	10.32	864.46	6.35	864.35	7.15	864.64	NA	NA
09/22/98	11.37	863.41	NA	NA	8.07	863.72	14	863.57
12/15/98	NA	NA	NA	NA	NA	NA	13.27	864.3

Notes:

Elevations are in feet above mean sea level. Feet to water was measured from the top-of-casing (TOC).

NA: Not analyzed

EXC: removed during excavation

TOS: Top-of-screen

Checked by: SWT 2/4/99 Approved by: _____