The following site is being submitted for inclusion into the GIS registry:

- For DNR County and Region list go to:
  g:\pf\pecfa\site\gis\BRRTS County and Region Codes.xls
- To begin, click on field to the right of *BRRTS ID (no dashes):*.
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0335000329**
Comm # (no dashes):	54452322001
County:	Lincoln
Region:	Northern
Site name:	Bob's West 64
Street Address:	2301 W Main St
City:	Merrill
Final Closure Date	2001-11-07
Closure Conditions:	met
Off-source property contamination?	No
(If yes, attach locational data and deed information on pg. 2)	
Right-of-way contamination?	Yes
Contaminated media:	Groundwater
GPS Coordinates (meters in the **WTM91** projection)	
Easting (X):	541162.000000000
Northing (Y):	522719.000000000
Collection Method:	
Scale or Resolution:	1:08,000
(1:24,000 scale or finer)	("**1:**" and comma is default)
Prepared by:	
Submitted by:	Cheryl Nelson

Source Property Checklist

- ☒ Final Closure Letter
- ☒ Copy of the most recent deed, which includes legal description for all properties w/ GW > NR 140 ES
- ☐ Where the legal description in the deed(s) refers to a certified survey map or recorded plat map, include those documents
- ☒ Parcel ID for all properties w/ GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s) and/or potable wells etc for properties with GW >NR140 ES
- ☒ Latest Map(s) showing extent or outline of current GW plume (isoconcentrations)
- ☒ Map showing GW flow direction
- ☒ Latest Table of GW results
- ☒ Geologic cross section (if generated as part of the site investigation)
- ☐ Statement signed by RP certifying correctness of legal descriptions
- ☐ Updated Database

ENVIRONMENTAL & REGULATORY SERVICES
DIVISION
BUREAU OF PECFA
P. O. Box 8044
Madison, Wisconsin 53708-8044
Fax #: (608) 267-1381
TDD #: (608) 264-8777
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Acting Secretary

Wisconsin
Department of Commerce

November 7, 2001

Mr. Robert Gremler
Bob's West 64
2301 W. Main St.
Merrill, WI 54452

Subject:: **Case Closure** – Bob's West 64
2301 W. Main St., Merrill

COMMERCE #54452-3220-01 **DNR #03-35-000329**

Dear Mr. Gremler:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review staff in response to the closure request prepared by your consultant, REI. A conditional closure status was approved on October 3, 2001. Conditions of closure were the filing of a Soil Deed Notification/Groundwater Use Restriction, Notification of Right-Of-Way (ROW) contamination and the abandonment of all monitoring wells. On November 5, 2001, Commerce received these conditions of closure. Using the standards established in NR 700, and the risk criteria of Comm 46, Commerce has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

IMPORTANT: If, in the future subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

If you have any questions, feel free to contact me at (608) 266-0593.

Sincerely,

Brian F. Taylor
Hydrogeologist
Department of Commerce
PECFA Site Review Section

cc: electronic storage
Mr. Keith Klebenow, REI

ERS-5524-E (R. 4/98)

399954

Document Number	Notice of Contamination To Property

RECEIVED
LINCOLN COUNTY, WIS

2001 OCT 26 PM 1 13

Jolene Callahan
REGISTER OF DEEDS

Legal Description of the Property: In re:

(as it appears on the most recent deed)

Parcel 1 of Lincoln County Certified Survey Map Number 346, recorded in Volume 2 of Certified Survey Maps on Page 85 as Document Number 264307 in the Office of the Lincoln County Register of Deeds, except that parcel of land described in a Land Contract recorded in Volume 479 of Records on Page 271 as Document Number 315490.

Recording Area

Name and Return Address
REI
4080 North 20th Avenue
Wausau, WI 54401

$15.00

STATE OF WISCONSIN)
) ss
COUNTY OF *Lincoln*)

35-251-4-3106-152-0044
Parcel Identification Number (PIN)

Section 1. Robert L. Gremler Sr. is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property contaminating groundwater above NR 140 enforcement standards and soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist(s) on this property.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied, and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct of reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Also residual petroleum contaminated soil and groundwater remains on this site. According to the report filed by REI, Inc, the residual soil and groundwater is located in the westcentral portion of this property with groundwater moving in a northerly direction. Natural attenuation is the approved remedial alternative for this site. If contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws. File references: PECFA Claim number 54452-3220-01 and BRRTS 03-35-000329, REI, Inc, report dated August 3, 2001.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this 26 day of Oct 2001.

[When appropriate use the following clause}:

By signing this document, {he/she} acknowledges that {he/she} is duly authorized to sign this document on behalf of _____

Signature: Robert L. Gremler Sr.

Printed Name: Robert L Gremler SR

Title: Owner

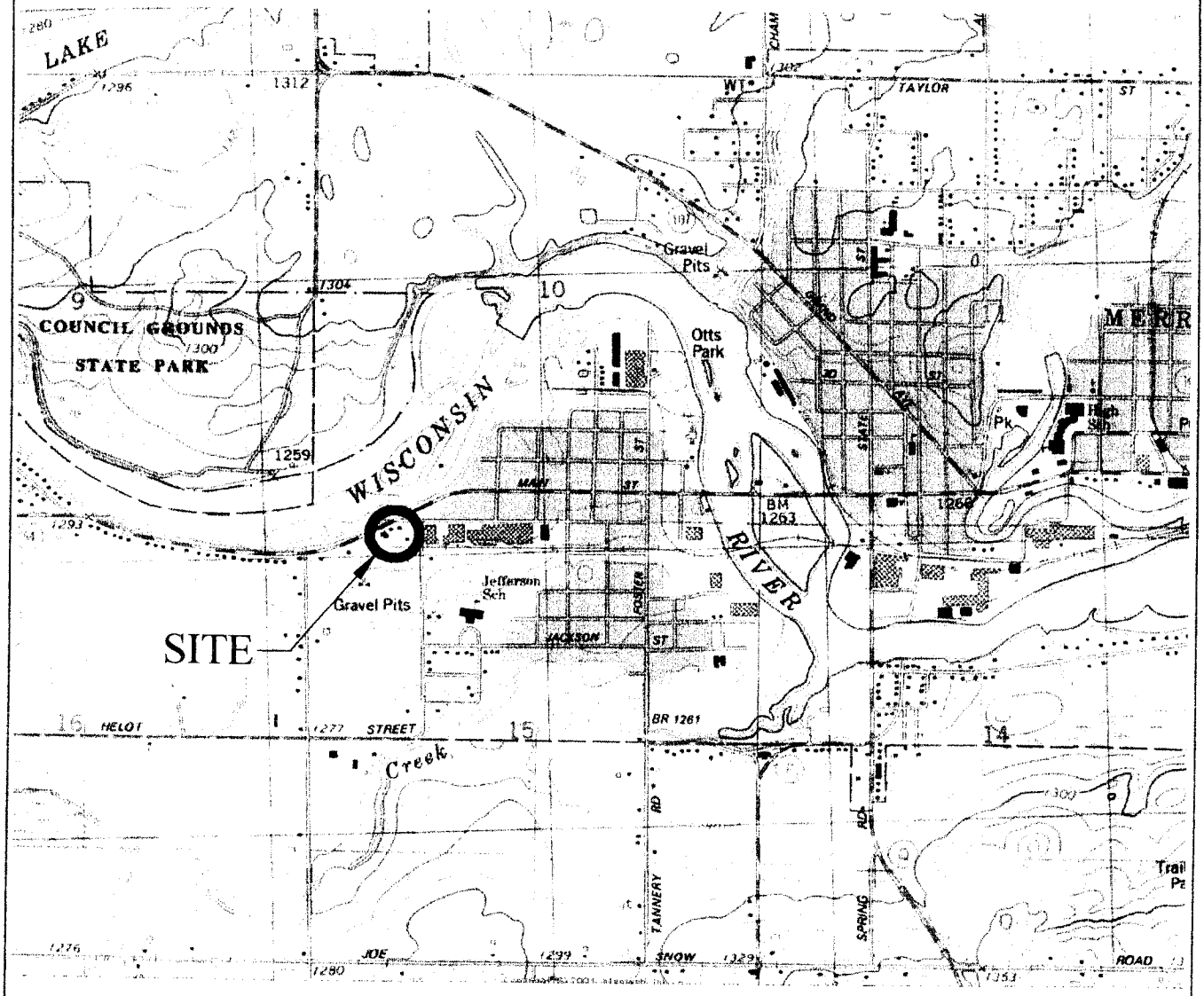
Subscribed and sworn to before me this 26 day of Oct, 2001.

Notary Public, State of Wisconsin

My commission May 8, 2005

This document was drafted by the Wisconsin Department of Commerce.

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



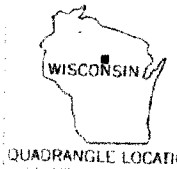
SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

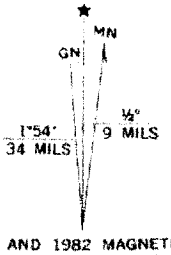
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

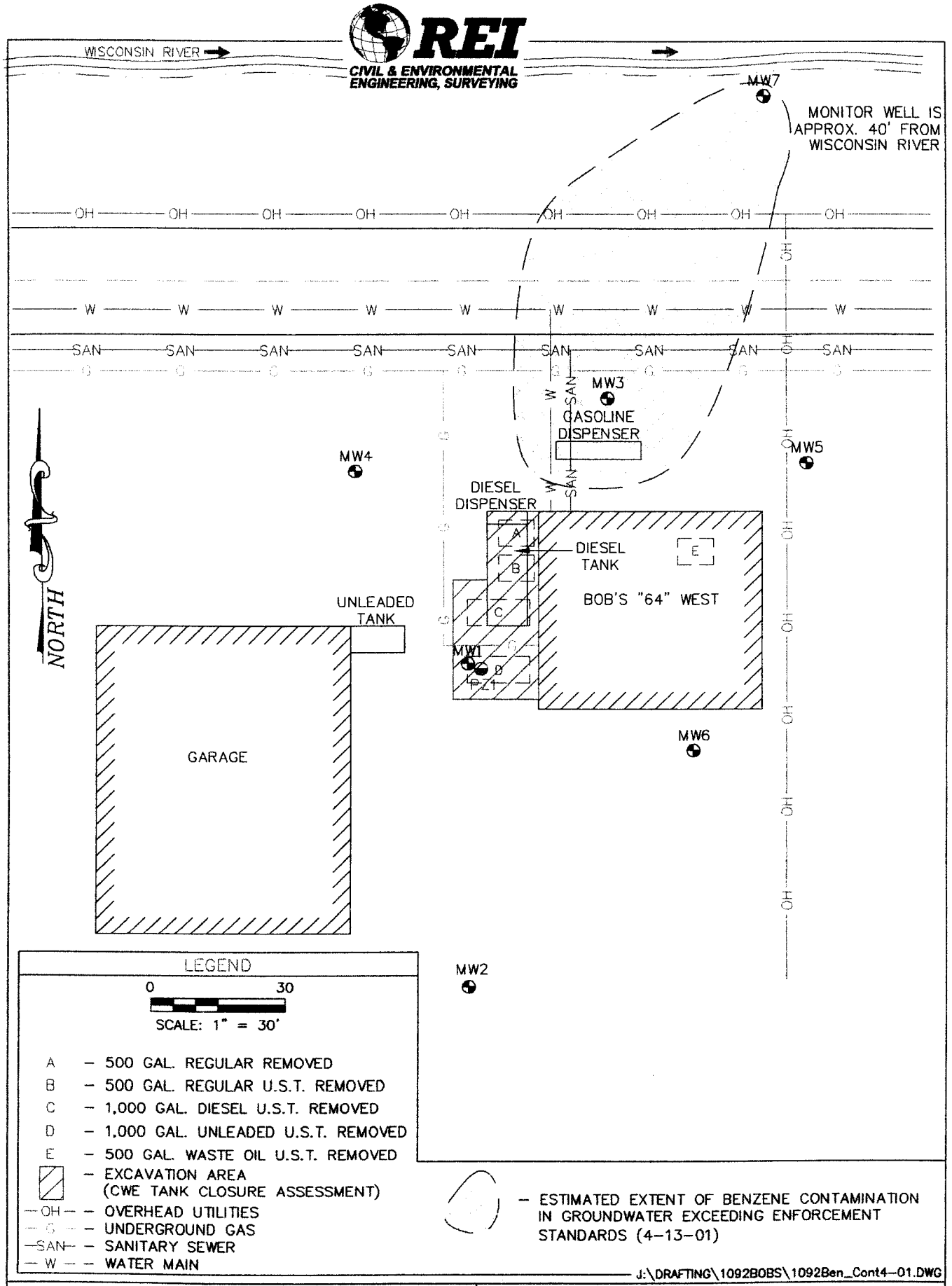
MERRILL, WIS.
NW/4 MERRILL 15' QUADRANGLE
N4507.5—W8937.5/7.5

1982



UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

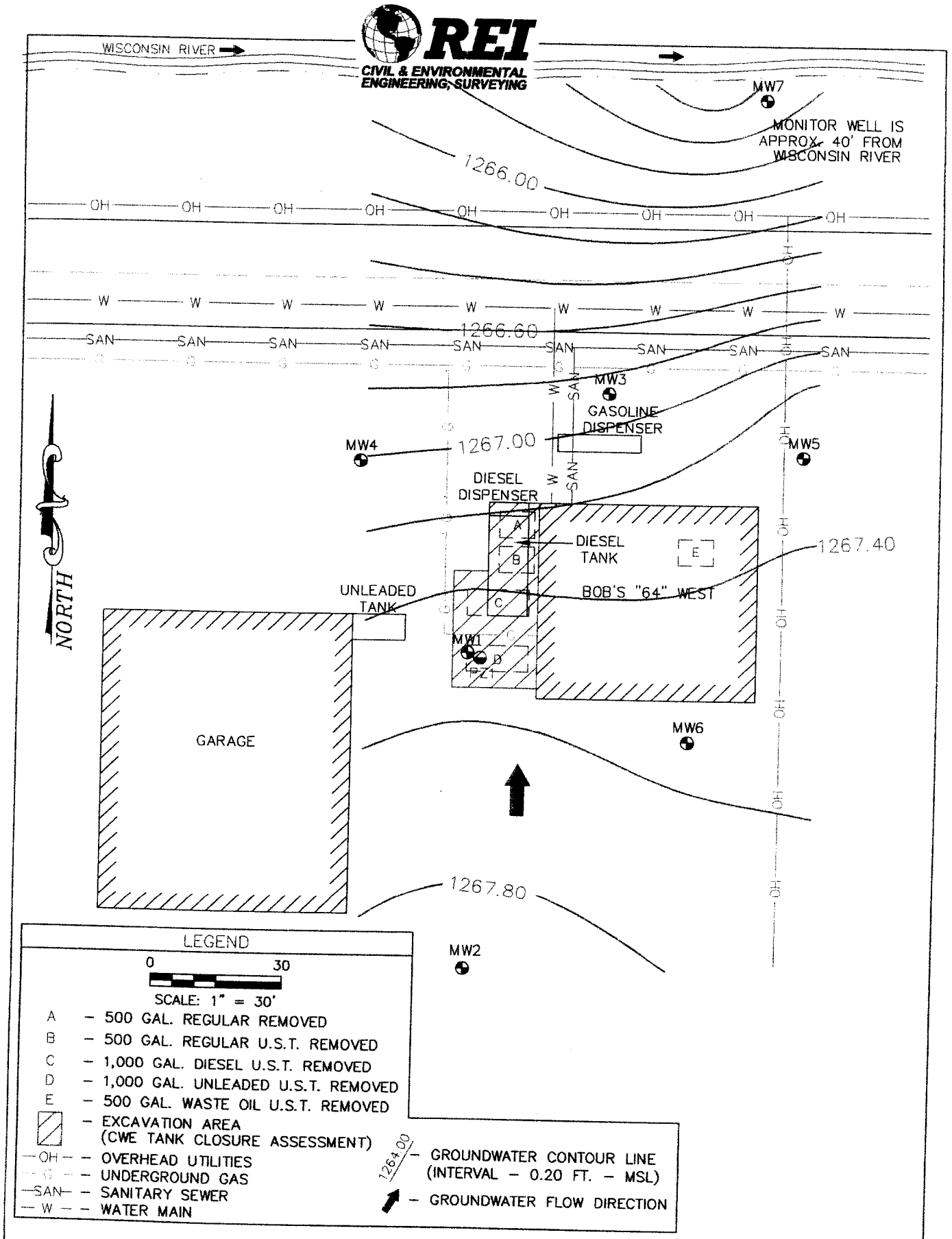
BOB'S WEST "64" 2301 W. MAIN STREET MERRILL, WISCONSIN	FIGURE 1 : SITE VICINITY MAP		
	PROJECT NO. 1092	DRAWN BY: TAW	DATE: 5/17/2001



BOB'S WEST "64"
2301 W. MAIN STREET
MERRILL, WISCONSIN

FIGURE 5 : EST. EXTENT OF BENZENE CONTAMINATION

PROJECT NO.	DRAWN BY:	DATE:
1092	DDD	8/3/2001



J:\DRAFTING\1092BOBS\1092GW4-01.DWG

BOB'S WEST "64"
2301 W. MAIN STREET
MERRILL, WISCONSIN

FIGURE 4f : GROUNDWATER CONTOUR MAP 4/13/01

PROJECT NO.	DRAWN BY:	DATE:
1092	MFL	5/17/2001

TABLE 3a
MW-1 Groundwater Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			9.8	NA	NA	NA	NA	NA
DRO (mg/L)			25,000	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	<11	**12**	*2.4*	**17.7**	*4.08*	<0.75
Ethylbenzene	700	140	*510*	*330*	120	26.2	10.4	4.18
Toluene	1000	200	150	94	14	30.2	8.16	<2.00
Total Xylene	10,000	1,000	*3,270*	*2,000*	900	91.2	41.15	11.59
Total Trimethylbenzene	480	96	**1,000**	**1,520**	**1,560**	*344.2*	*186.9*	43.2
Methyl Tert Butyl Ether	60	12	<21	*36*	*51*	<6.0	<1.50	<1.50
Isopropylbenzene			14	NA	NA	NA	NA	NA
Naphthalene	40	8	**380**	**410**	**280**	<16	5.75	<4.0
n-Propylbenzene			80	NA	NA	NA	NA	NA
n-Butylbenzene			32	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<18	NA	NA	NA	NA	NA
Isopropyl Ether			37	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			16	NA	NA	NA	NA	NA
Acenapthylene			<17	NA	NA	NA	NA	NA
Anthracene	3,000	600	5.7	NA	NA	NA	NA	NA
Benzo (a) anthracene			5.4	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<79	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<11	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<16	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<10	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.45	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<11	NA	NA	NA	NA	NA
Fluoranthene	400	80	<17	NA	NA	NA	NA	NA
Fluorene	400	80	7.4	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<45	NA	NA	NA	NA	NA
1-Methyl napthalene			220	NA	NA	NA	NA	NA
2-Methyl napthalene			240	NA	NA	NA	NA	NA
Napthalene	40	8	**300**	NA	NA	NA	NA	NA
Phenanthrene			<33	NA	NA	NA	NA	NA
Pyrene	250	50	6.9	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	**54**	NA	2.2	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**210**	31	21	22.6	9.88	1.63
Nitrate Nitrogen	10	2	<0.031	<0.031	0.11	0.313	1.33	1.25
Sulfate	250	125	6.6	11	14	5.14	17.1	13.8
Field Measurements								
Temperature (^{0}F)			55.52	57.68	43.64	56.52	47.47	43.58
Conductivity (ms/cm)			214	762	353	420	457	711
Dissolved Oxygen (mg/L)			0.56	0.55	2.71	1.17	2.81	0.49
pH			6.72	7.05	5.71	5.35	7.13	6.21
Redox Potential (mV)			-15.4	-51.6	-80.2	-43.4	111.1	77.4

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3b
MW-2 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			<0.020	NA	NA	NA	NA	NA
DRO (mg/L)			59	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	<0.11	<0.10	*1.1*	<0.15	<0.15	<0.15
Ethylbenzene	700	140	<0.10	<0.12	<0.12	<0.5	<0.5	<0.5
Toluene	1,000	200	<0.10	<0.17	1	<0.4	<0.4	<0.4
Total Xylene	10,000	1,000	<0.21	<0.16	<0.16	<0.4	<0.4	<0.4
Total Trimethylbenzene	480	96	<0.14	<0.15	<0.15	<0.4	<0.4	<0.4
Methyl Tert Butyl Ether	60	12	<0.21	<0.17	<0.17	<0.3	<0.3	<0.3
Isopropylbenzene			<0.11	NA	NA	NA	NA	NA
Naphthalene	40	8	1.2	NA	NA	NA	NA	NA
n-Propylbenzene			<0.14	NA	NA	NA	NA	NA
n-Butylbenzene			0.17	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.18	NA	NA	NA	NA	NA
Isopropyl Ether			<0.11	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			<0.026	NA	NA	NA	NA	NA
Acenapthylene			<0.073	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.023	NA	NA	NA	NA	NA
Benzo (a) anthracene			<0.042	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.016	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.031	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.028	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.022	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.034	NA	NA	NA	NA	NA
Fluorene	400	80	0.19	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.090	NA	NA	NA	NA	NA
1-Methyl napthalene			<0.093	NA	NA	NA	NA	NA
2-Methyl napthalene			0.24	NA	NA	NA	NA	NA
Napthalene	40	8	<0.034	NA	NA	NA	NA	NA
Phenanthrene			0.070	NA	NA	NA	NA	NA
Pyrene	250	50	<0.025	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	*14*	NA	1.5	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**110**	0.075	0.11	1.57	0.131	0.64
Nitrate Nitrogen	10	2	0.57	1	1.2	0.937	2.03	2.97
Sulfate	250	125	14	19	13	18.3	20.7	15.7
Field Measurements								
Temperature (°F)			58.00	55.70	40.4	57.72	43.64	40.04
Conductivity (ms/cm)			29	317	220	262	202	252
Dissolved Oxygen (mg/L)			1.06	4.81	7.14	2.34	2.71	3.92
pH			7.93	7.94	5.99	6.85	7.15	6.63
Redox Potential (mV)			80.3	82.4	141.3	60.1	37.3	82

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3c
MW-3 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			1.0	NA	NA	NA	NA	NA
DRO (mg/L)			7,400	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	**13**	**20**	*4.8*	**44.5**	**35.7**	**7.13**
Ethylbenzene	700	140	8.0	3.5	0.53	1.69	3.36	<0.5
Toluene	1,000	200	1.3	1	0.47	9.41	<0.4	<0.4
Total Xylene	10,000	1,000	4.78	1.4	1.2	5.99	0.206	0.352
Total Trimethylbenzene	480	96	18.3	2.44	<0.15	0.271	<0.4	<0.4
Methyl Tert Butyl Ether	60	12	<0.42	0.85	<0.17	<0.3	<0.3	<0.3
Isopropylbenzene			3.7	NA	NA	NA	NA	NA
Naphthalene	40	8	*13*	NA	2.8	<0.8	<0.8	NA
n-Propylbenzene			6.3	NA	NA	NA	NA	NA
n-Butylbenzene			8.2	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.32	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.36	NA	NA	NA	NA	NA
Isopropyl Ether			1.3	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			2.5	NA	NA	NA	NA	NA
Acenapthylene			<0.73	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.23	NA	NA	NA	NA	NA
Benzo (a) anthracene			1.1	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.16	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.23	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.31	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.28	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.23	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.22	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.34	NA	NA	NA	NA	NA
Fluorene	400	80	<0.31	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.90	NA	NA	NA	NA	NA
1-Methyl napthalene			17	NA	NA	NA	NA	NA
2-Methyl napthalene			16	NA	NA	NA	NA	NA
Napthalene	40	8	3.8	NA	NA	NA	NA	NA
Phenanthrene			4.5	NA	NA	NA	NA	NA
Pyrene	250	50	1.3	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	**39**	NA	<1.4	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**280**	**4.2**	1.5	3.54	1.48	3.8
Nitrate Nitrogen	10	2	0.042	<0.031	0.18	0.407	<0.3	<0.3
Sulfate	250	125	11	11	10	14.5	25	15.1
Field Measurements								
Temperature (°F)			53.42	57.94	47.75	56.31	51.28	47.41
Conductivity (ms/cm)			218	496	233	273	256	319
Dissolved Oxygen (mg/L)			0.97	0.73	2.8	2.29	2.71	2.41
pH			6.61	7.18	5.59	5.74	7.16	6.62
Redox Potential (mV)			51.4	6.4	16.7	18.9	89.1	37.2

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3d
MW-4 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			0.20	NA	NA	NA	NA	NA
DRO (mg/L)			41	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	<0.11	<0.10	**620**	**727**	**158**	0.223
Ethylbenzene	700	140	<0.10	<0.12	1	72.7	*228*	<0.5
Toluene	1,000	200	<0.10	<0.17	*300*	*393*	*954*	<0.4
Total Xylene	10,000	1,000	<0.21	<0.16	90	229.5	*1,164*	<0.4
Total Trimethylbenzene	480	96	0.16	<0.15	56	89.7	*347.1*	<0.4
Methyl Tert Butyl Ether	60	12	2.9	<0.17	<0.17	<3.0	<3.00	<0.3
Isopropylbenzene			<0.11	NA	NA	NA	NA	NA
Naphthalene	40	8	0.77	NA	NA	NA	NA	NA
n-Propylbenzene			<0.14	NA	NA	NA	NA	NA
n-Butylbenzene			<0.11	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.18	NA	NA	NA	NA	NA
Isopropyl Ether			<0.11	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			<0.026	NA	NA	NA	NA	NA
Acenapthylene			<0.073	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.023	NA	NA	NA	NA	NA
Benzo (a) anthracene			<0.062	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.016	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.031	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.028	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.023	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.034	NA	NA	NA	NA	NA
Fluorene	400	80	<0.031	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.090	NA	NA	NA	NA	NA
1-Methyl napthalene			<0.097	NA	NA	NA	NA	NA
2-Methyl napthalene			<0.066	NA	NA	NA	NA	NA
Napthalene	40	8	<0.034	NA	NA	NA	NA	NA
Phenanthrene			<0.066	NA	NA	NA	NA	NA
Pyrene	250	50	<0.025	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	**24**	NA	*5.2*	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**590**	0.032	0.032	3.54	19	0.633
Nitrate Nitrogen	10	2	0.45	0.56	0.36	0.649	<0.3	0.977
Sulfate	250	125	12	15	10	17	6.79	14.7
Field Measurements								
Temperature (°F)			52.43	55.61	43.03	56.84	49.84	47.14
Conductivity (ms/cm)			285	447	458	291	325	291
Dissolved Oxygen (mg/L)			0.72	0.6	2.54	1.78	1.62	2.31
pH			6.79	7.18	5.36	5.69	6.88	6.47
Redox Potential (mV)			133.2	99.3	85.7	21.5	89.5	105.7

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3e
MW-5 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			<0.020	NA	NA	NA	NA	NA
DRO (mg/L)			210	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	<0.11	<0.10	<0.10	*1.72*	<0.15	<0.15
Ethylbenzene	700	140	<0.10	<0.12	<0.12	<0.5	<0.5	<0.5
Toluene	1,000	200	<0.10	<0.17	<0.17	<0.4	<0.4	<0.4
Total Xylene	10,000	1,000	<0.21	<0.16	<0.16	<0.4	<0.4	<0.4
Total Trimethylbenzene	480	96	<0.14	<0.15	<0.15	<0.4	<0.4	<0.4
Methyl Tert Butyl Ether	60	12	<0.21	<0.17	<0.17	<0.3	<0.3	<0.3
Isopropylbenzene			<0.11	NA	NA	NA	NA	NA
Naphthalene	40	8	<0.23	NA	NA	NA	NA	NA
n-Propylbenzene			<0.14	NA	NA	NA	NA	NA
n-Butylbenzene			<0.11	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.18	NA	NA	NA	NA	NA
Isopropyl Ether			<0.11	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			<0.026	NA	NA	NA	NA	NA
Acenapthylene			<0.073	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.023	NA	NA	NA	NA	NA
Benzo (a) anthracene			<0.062	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.016	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.031	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.028	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.023	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.034	NA	NA	NA	NA	NA
Fluorene	400	80	<0.031	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.090	NA	NA	NA	NA	NA
1-Methyl napthalene			<0.097	NA	NA	NA	NA	NA
2-Methyl napthalene			<0.066	NA	NA	NA	NA	NA
Napthalene	40	8	<0.034	NA	NA	NA	NA	NA
Phenanthrene			<0.066	NA	NA	NA	NA	NA
Pyrene	250	50	<0.025	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	*8.8*	NA	<1.4	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**140**	0.022	0.036	0.046	0.04	0.017
Nitrate Nitrogen	10	2	0.59	0.61	0.54	1.11	1.39	1.2
Sulfate	250	125	10	14	9.2	10.2	11	12.7
Field Measurements								
Temperature (°F)			52.97	55.5	47.88	53.85	49.32	46.37
Conductivity (ms/cm)			177	391	224	231	298	246
Dissolved Oxygen (mg/L)			0.58	0.59	3.23	2.29	1.87	2.79
pH			6.69	7.29	5.67	6.08	6.72	6.43
Redox Potential (mV)			123.4	83.1	173.7	59	136	185.2

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3f
MW-6 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			<0.020	NA	NA	NA	NA	NA
DRO (mg/L)			160	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	<0.11	<0.10	<0.10	<0.15	<0.15	<0.15
Ethylbenzene	700	140	<0.10	<0.12	<0.12	<0.5	<0.5	<0.5
Toluene	1,000	200	<0.10	<0.17	0.5	<0.4	<0.4	<0.4
Total Xylene	10,000	1,000	<0.21	<0.16	<0.16	<0.4	<0.4	<0.4
Total Trimethylbenzene	480	96	<0.14	<0.15	<0.15	<0.4	<0.4	<0.4
Methyl Tert Butyl Ether	60	12	<0.21	<0.17	<0.17	<0.3	<0.3	<0.3
Isopropylbenzene			<0.11	NA	NA	NA	NA	NA
Naphthalene	40	8	<0.23	NA	NA	NA	NA	NA
n-Propylbenzene			<0.14	NA	NA	NA	NA	NA
n-Butylbenzene			<0.11	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.18	NA	NA	NA	NA	NA
Isopropyl Ether			<0.11	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			<0.026	NA	NA	NA	NA	NA
Acenapthylene			<0.073	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.023	NA	NA	NA	NA	NA
Benzo (a) anthracene			<0.062	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.016	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.031	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.028	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.023	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.034	NA	NA	NA	NA	NA
Fluorene	400	80	<0.031	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.090	NA	NA	NA	NA	NA
1-Methyl napthalene			<0.097	NA	NA	NA	NA	NA
2-Methyl napthalene			<0.066	NA	NA	NA	NA	NA
Napthalene	40	8	<0.034	NA	NA	NA	NA	NA
Phenanthrene			<0.066	NA	NA	NA	NA	NA
Pyrene	250	50	<0.025	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	**95**	NA	1.6	<1.0	NA	NA
Iron (Fe)	0.3	0.15	**1700**	*0.52*	0.035	0.087	0.05	0.029
Nitrate Nitrogen	10	2	1.7	0.12	0.44	0.5	0.574	0.989
Sulfate	250	125	16	12	8.4	6.79	8.2	12.1
Field Measurements								
Temperature (°F)			55.44	58.56	45.5	58.05	50.48	43.65
Conductivity (ms/cm)			248	410	208	255	224	239
Dissolved Oxygen (mg/L)			0.78	1.23	5.01	1.5	2.01	3.45
pH			7.17	7.59	5.75	6.08	7.97	6.45
Redox Potential (mV)			-11.1	111.1	156.7	55.7	81.1	131

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

Table 3g
MW-7 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			NA	NA	NA	NA
DRO (mg/L)			NA	NA	NA	NA
Detected VOC's (ug/L)						
Benzene	5	0.5	**9.2**	**1,680**	**533**	**118**
Ethylbenzene	700	140	56	100	*199*	*171*
Toluene	1,000	200	4.8	**1,720**	21.4	13.2
Total Xylene	10,000	1,000	148	438	368.9	338.1
Total Trimethylbenzene	480	96	280	385	308.8	251
Methyl Tert Butyl Ether	60	12	<1.2	<3.0	<15.0	<3.00
Isopropylbenzene			9.5	NA	NA	NA
Naphthalene	40	8	**48**	*26.4*	**113**	*35.3*
n-Propylbenzene			40	NA	NA	NA
n-Butylbenzene			33	NA	NA	NA
Bromodichloromethane	0.6	0.06	<1.1	NA	NA	NA
Chloroform	6	0.6	<0.85	NA	NA	NA
Isopropyl Ether			19	NA	NA	NA
p-Isopropytoluene			3.8	NA	NA	NA
Isopropyl Ether			NA	NA	NA	NA
Detected PAHs (ug/L)						
Acenapthene	3,000	600	16	NA	NA	NA
Acenapthylene			13	NA	NA	NA
Anthracene	0.2	0.02	0.29	NA	NA	NA
Benzo (a) anthracene	0.2	0.02	0.2	NA	NA	NA
Benzo (a) pyrene			<0.019	NA	NA	NA
Benzo (b) fluoranthene			0.14	NA	NA	NA
Benzo (g,h,i) perylene	0.2	0.02	<0.075	NA	NA	NA
Benzo (k) fluoranthene			<0.054	NA	NA	NA
Chrysene	400	80	0.044	NA	NA	NA
Dibenzo (a,h) anthracene	400	80	<0.15	NA	NA	NA
Fluoranthene			3.7	NA	NA	NA
Fluorene			5.1	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.033	NA	NA	NA
1-Methyl napthalene	40	8	44	NA	NA	NA
2-Methyl napthalene			27	NA	NA	NA
Napthalene	250	50	23	NA	NA	NA
Phenanthrene			3.6	NA	NA	NA
Pyrene			1.2	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)						
Lead (Pb)	15	1.5	2.6	<1.0	NA	NA
Iron (Fe)	0.3	0.15	4.5	NA	2.35	12.2
Nitrate Nitrogen	10	2	0.049	X	<0.3	<0.3
Sulfate	250	125	8	2.79	<5.00	11.1
Field Measurements						
Temperature (°F)			48.58	57.17	52.34	48.37
Conductivity (ms/cm)			389	356	317	246
Dissolved Oxygen (mg/L)			3.58	2.09	1.81	2.94
pH			5.5	5.79	6.65	6.64
Redox Potential (mV)			71.1	-26.9	58.5	23.6

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text

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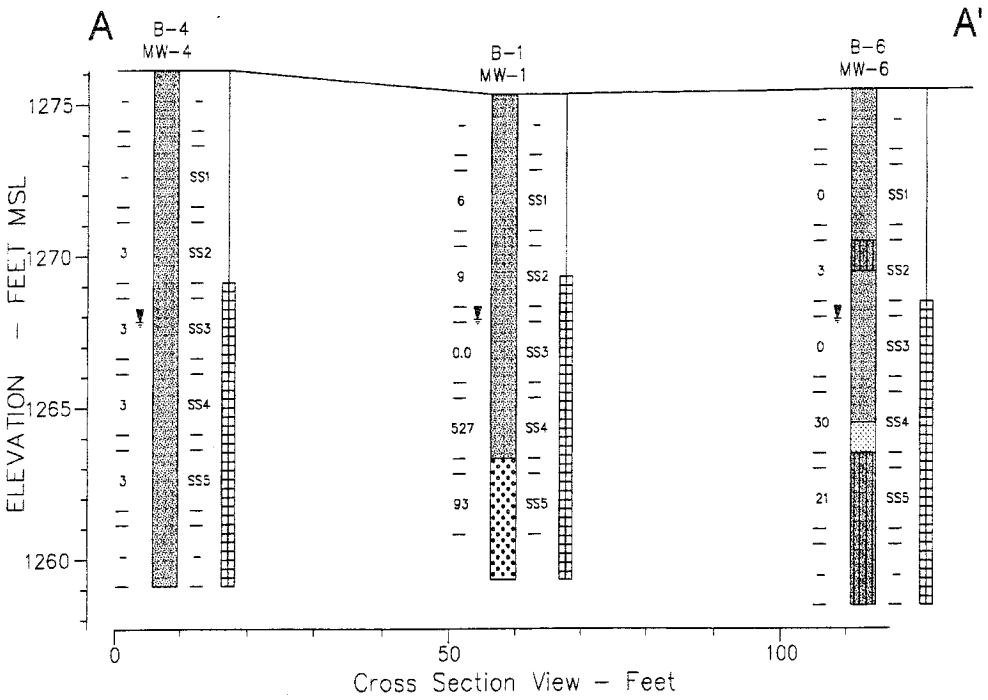
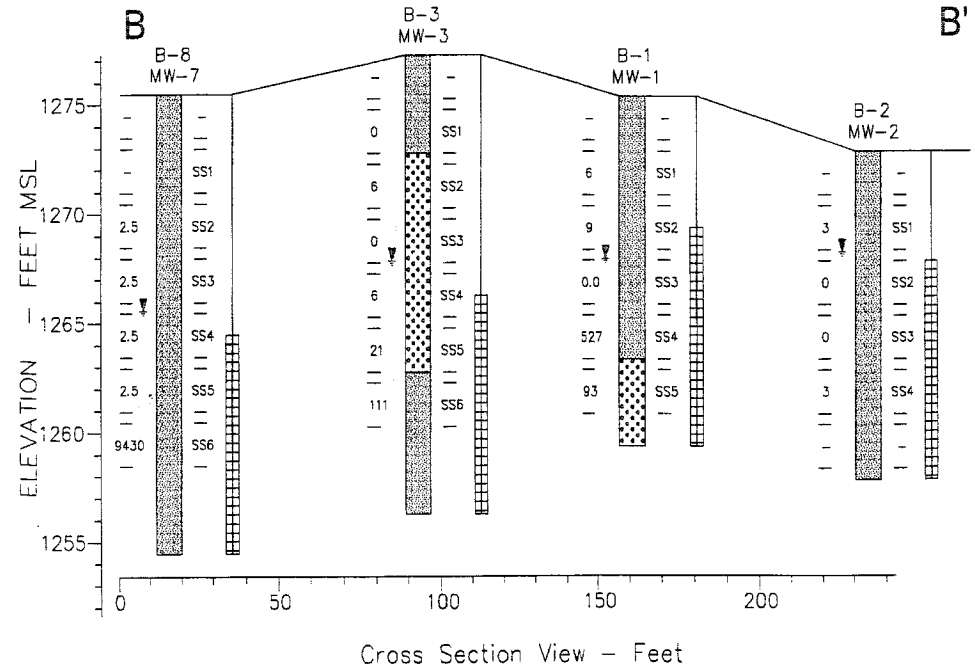
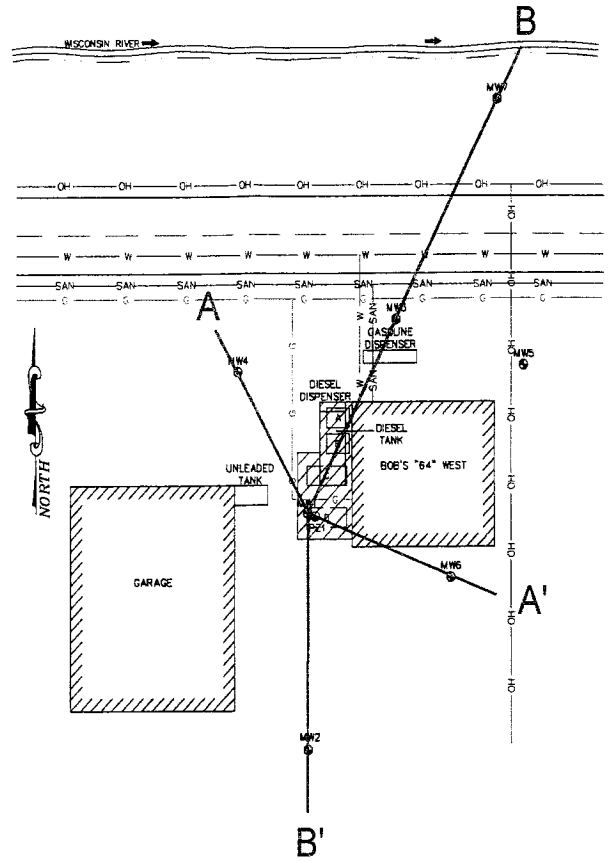
Table 3h
PZ-1 Ground Water Analytical Results
Bob's West 64
Merrill, Wisconsin

PARAMETER	ES	PAL	7/27/98	10/28/98	2/22/99	9/30/99	1/5/01	4/13/01
GRO (mg/L)			0.10	NA	NA	NA	NA	NA
DRO (mg/L)			58	NA	NA	NA	NA	NA
Detected VOC's (ug/L)								
Benzene	5	0.5	0.25	<0.10	<0.10	<0.15	<0.15	<0.15
Ethylbenzene	700	140	1.3	<0.12	<0.12	<0.5	<0.5	<0.5
Toluene	1,000	200	0.27	<0.17	<0.17	<0.4	<0.4	<0.4
Total Xylene	10,000	1,000	9.2	<0.16	<0.16	<0.4	<0.4	<0.4
Total Trimethylbenzene	480	96	9	<0.15	<0.15	<0.4	<0.4	<0.4
Methyl Tert Butyl Ether	60	12	1.7	<0.17	<0.17	<0.3	<0.3	<0.3
Isopropylbenzene			0.36	NA	NA	NA	NA	NA
Naphthalene	40	8	3.8	NA	NA	NA	NA	NA
n-Propylbenzene			0.90	NA	NA	NA	NA	NA
n-Butylbenzene			2.1	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	<0.16	NA	NA	NA	NA	NA
Chloroform	6	0.6	<0.18	NA	NA	NA	NA	NA
Isopropyl Ether			<0.11	NA	NA	NA	NA	NA
Detected PAHs (ug/L)								
Acenapthene			0.17	NA	NA	NA	NA	NA
Acenapthylene			<0.073	NA	NA	NA	NA	NA
Anthracene	3,000	600	<0.023	NA	NA	NA	NA	NA
Benzo (a) anthracene			0.15	NA	NA	NA	NA	NA
Benzo (a) pyrene	0.2	0.02	<0.016	NA	NA	NA	NA	NA
Benzo (b) fluoranthene	0.2	0.02	<0.072	NA	NA	NA	NA	NA
Benzo (g,h,i) perylene			<0.031	NA	NA	NA	NA	NA
Benzo (k) fluoranthene			<0.028	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	<0.023	NA	NA	NA	NA	NA
Dibenzo (a,h) anthracene			<0.022	NA	NA	NA	NA	NA
Fluoranthene	400	80	<0.034	NA	NA	NA	NA	NA
Fluorene	400	80	0.28	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) pyrene			<0.090	NA	NA	NA	NA	NA
1-Methyl napthalene			2.1	NA	NA	NA	NA	NA
2-Methyl napthalene			3.3	NA	NA	NA	NA	NA
Napthalene	40	8	1.1	NA	NA	NA	NA	NA
Phenanthrene			0.67	NA	NA	NA	NA	NA
Pyrene	250	50	0.32	NA	NA	NA	NA	NA
Detected Metals and Indicator Parameters (mg/L)								
Lead (Pb)	15	1.5	*14*	NA	<1.4	*2.28*	NA	NA
Iron (Fe)	0.3	0.15	**40**	0.67	0.21	1.16	0.66	1.16
Nitrate Nitrogen	10	2	0.17	0.35	0.28	<0.3	0.448	<0.3
Sulfate	250	125	17	14	9.6	8.24	10.7	9.42
Field Measurements								
Temperature (°F)			53.21	57.54	44.84	55.56	51.01	48.37
Conductivity (ms/cm)			195	338	213	188	247	246
Dissolved Oxygen (mg/L)			1.17	1.1	3.8	3.01	2.76	2.94
pH			7.27	7.29	5.76	5.88	6.82	6.64
Redox Potential (mV)			14.7	23.5	172.7	39	58.4	23.6

PAL = Preventative Action Limit
ES = Enforcement Standards
* = Enforcement Limits are for Total Xylenes
Enforcement Standard Exceedeces are in bold text
Preventive Action Limits exceedences are in italic text







(GP)-POORLY GRADED GRAVELS, OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES (UNIFORM GRAIN SIZE)

(SW)-WELL GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES (NON-UNIFORM GRAIN SIZE)

(SP)-POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES (UNIFORM GRAIN SIZE)

(SM)-SILTY SANDS, SAND-SILT MIXTURE

REI OIL & ENVIRONMENTAL ENGINEERING, SURVEYING	BOB'S WEST 64 2301 W. MAIN ST. MERRILL, WISCONSIN	
FIGURE 3 : CROSS-SECTION A-A'; B-B'		
PROJECT No. #1092	DRAWN BY: DDD	DATE: 07/02/01