

GIS REGISTRY INFORMATION

SITE NAME: Rothschild Garage
 BRRTS #: 03-37-000728 FID # (if appropriate):
 COMMERCE # (if appropriate):
 CLOSURE DATE: 23-Feb-1995
 STREET ADDRESS: 1001 Leon St
 CITY: Rothschild

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 550128 Y= 489526

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1:
 GPS COORDINATES (meters in WTM91 projection): X= Y=

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

IF YES, STREET ADDRESS 1:
 GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: 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
- County Parcel ID number, if used for county, for all affected properties
- 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)
- 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
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy)
- 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

X
X
X
X
X
NA
X

Institutional Control Audit Site

The GIS Documentation, contained within, was collected by the WDNR Project Manager from existing documentation contained in the case file.

This case was closed by the WDNR prior to the existence of GIS submittal requirements being in place.

Certain documents that are currently required in ch. NR 726, Wis. Adm. Code, may therefore be unavailable.



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

North Central District Headquarters
Box 818
Rhinelander, Wisconsin 54501
TELEPHONE 715-365-8900
TELEFAX 715-365-8932

May 10, 1995

NCD UID #728

Mr. Neal Torney
411 Grand Avenue
Rothschild, WI 54474

Subject: Village of Rothschild Garage, 1001 Leon Street, Rothschild, WI

Dear Mr. Torney:

The Department of Natural Resources - Leaking Underground Storage Tank Program has received a certified copy of the Declaration of Restrictions and Covenants on the Rothschild Garage located at 1001 Leon Street in Rothschild, Wisconsin. The Declaration was recorded in Volume 704 of Documents on Page 67 on April 20, 1995 in the Marathon County Register of Deeds Office.

The Department has also received five Well/Drillhole/Borehole Abandonment Forms (Form #3300-5B) dated May 5, 1995. These forms indicate that the monitoring wells at the Rothschild Garage site have been properly abandoned.

Based on the information provided to the Department by Central Wisconsin Engineers, the Department is not requiring that any further investigation and/or remediation be undertaken at this time. However, if at some time in the future, information is made available to the Department which indicates that additional investigation and/or remediation is warranted, the Department will require that the appropriate action be taken.

You should note that this letter does not constitute Department "certification" under s. 144.765(2)(a)3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Persons who meet the definition of "purchaser" in s. 144.765(1)(c) must receive Department pre-approval prior to conducting a site investigation in order to be eligible for the liability exemption under s. 144.765, Stats.

If you have any questions, please contact me at 715/365-8990.

Sincerely,
NORTH CENTRAL DISTRICT

Janet Kazda

Janet Kazda
Program Assistant
North Central District Case Closure Committee

cc: File
DILHR, Madison
Dale Kauzlaric, Central Wisconsin Engineers, PO Box 107, Schofield, WI
54476



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

107 Sutliff Avenue
P.O. Box 818
Rhinelander, Wisconsin 54501-0818
TELEPHONE 715-365-8900
TELEFAX 715-365-8932

October 10, 1995

NCD UID # 728

Closed

Neal Torney, President
Village of Rothschild
Village Hall, 411 Grand Avenue
Rothschild, WI 54474

SUBJECT: Rothschild Village Garage, 1001 Leon Street,
Rothschild, WI

Dear Mr. Torney:

The Department is in receipt of documentation submitted by your consultant, Central Wisconsin Engineers. They have requested approval of the Form 4 for a PECFA reimbursement claim.

As required under the provisions of PSRAF, evidence of a release of a hazardous substance was reported to the Department of Natural Resources in accordance with the requirements of s.144.76(3), Wisconsin Statutes. The investigation and remedial work at the above site were not performed by the Department using federal L.U.S.T. Trust funding (42 USC 6991).

Based on information currently available and outlined below, the Department is approving Form 4 of your PSRAF claim. Your signed Form 4 is enclosed; **the original (white copy) must be forwarded to the Department of Industry, Labor and Human Relations (DILHR) along with a copy of this letter and the rest of your claim packet.**

This constitutes final approval for completion of the project. This site was officially closed by the Department on February 23, 1995.

The Department appreciates the actions you have taken to assist in keeping our environment clean. If you have any questions, please feel free to contact us.

Sincerely,
NORTH CENTRAL DISTRICT

Janet Kazda

Janet Kazda
Program Assistant
Leaking Underground Storage Tank Program

cc: ~~File~~

Cindy Artibee, Central Wisconsin Engineers, PO Box 107,
Schgofield, WI 54476



Number

393602

This Indenture, Made this 25th day of May, A.D. 1946 in the year of our Lord, One Thousand Nine Hundred and

of Marathon County, State of Wisconsin, part y of the first part, and Village of Rothschild, a municipal sub-division of Marathon County, State of Wisconsin, part y of the second part.

Witnesseth, That the said part y of the first part, for and in consideration of the sum of One and no/100's (\$1.00) Dollars and other valuable consideration Dollars, to him in hand paid, by the said part y of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part y of the second part its successors heirs and assigns forever, the following described real estate, situated in the County of Marathon, and State of Wisconsin, to-wit:

The West one-half (W/2) of the West one-half (W/2) of the Southeast quarter (SE 1/4) of Section twenty-five (25), Township twenty-eight (28) North, Range seven (7) East

\$2.75 Internal Revenue Stamp cancelled

Together with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise appertaining; and all the estate, right, title, interest, claim or demand whatsoever of the said part y of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises and their hereditaments and appurtenances.

To Have and to Hold, the said premises as above described, with the hereditaments and appurtenances, unto the said part y of the second part and to its successors heirs and assigns FOREVER.

And the said Louis Schmidt, widower for himself, his heirs, executors and administrators, does covenant, grant, bargain and agree, to and with the said part y of the second part, its successors heirs and assigns, that at the time of the ensembling and delivery of these presents he is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the fee simple, and that the same are free and clear from all incumbrances whatsoever

and that the above bargained premises, in the quiet and peaceable possession of the said part y of the second part, its successors heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, he will forever WARRANT AND DEFEND.

In Witness Whereof, The said part y of the first part has hereunto set its hand and seal this 25th day of May, A. D. 1946

SIGNED, SEALED AND DELIVERED IN PRESENCE OF

Clayton J. Crooke, Beverly Winter, Louis Schmidt

State of Wisconsin, Marathon County ss. Be it Remembered, that on the this 25th day of May, A.D. 1946 A.D. 1946, Personally came before me, the above named Louis Schmidt, widower

to me known to be the person who executed the foregoing instrument and acknowledged the same, to be free act and deed for the uses and purpose therein mentioned.

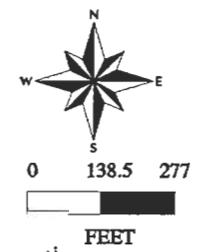
Received for Record 9:46 o'clock A.M. June 11 A.D. 1946 Andrew Miller Register



Clayton J. Crooke Notary Public, Marathon County, Wisconsin My commission expires Oct. 24th A.D. 1948



ROTHSCHILD
SE 1/4 of
T28N-R07E SECTION-25



MAP DATE: 05/20/05
 This is NOT a Legal Survey Document.
 This is current interpretation of
 Tax Parcel Status.

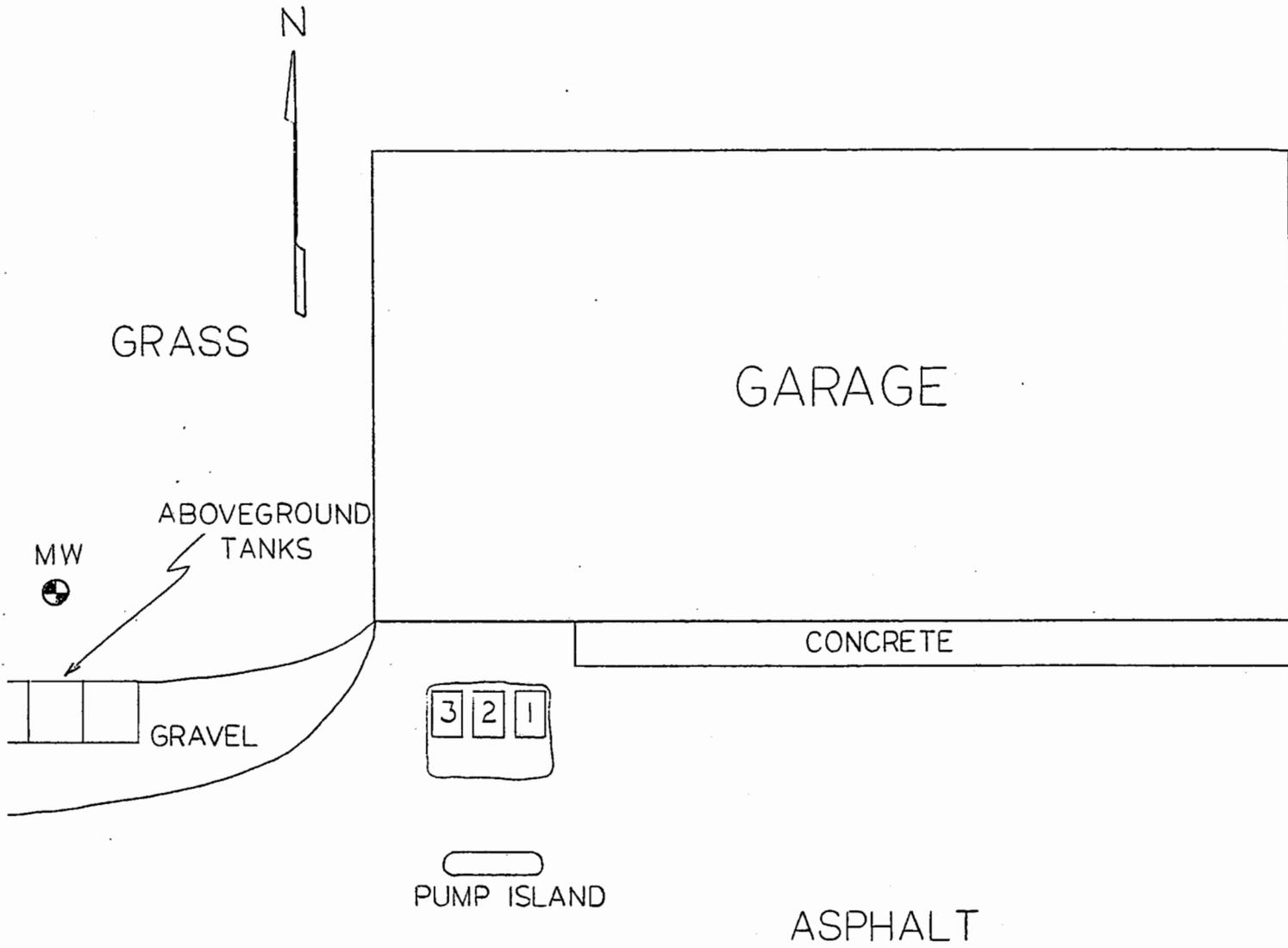


FIGURE 2
TANK LOCATIC

0 10' 20' 30'

CENTRAL WISCONSIN
ENGINEERS, INC.



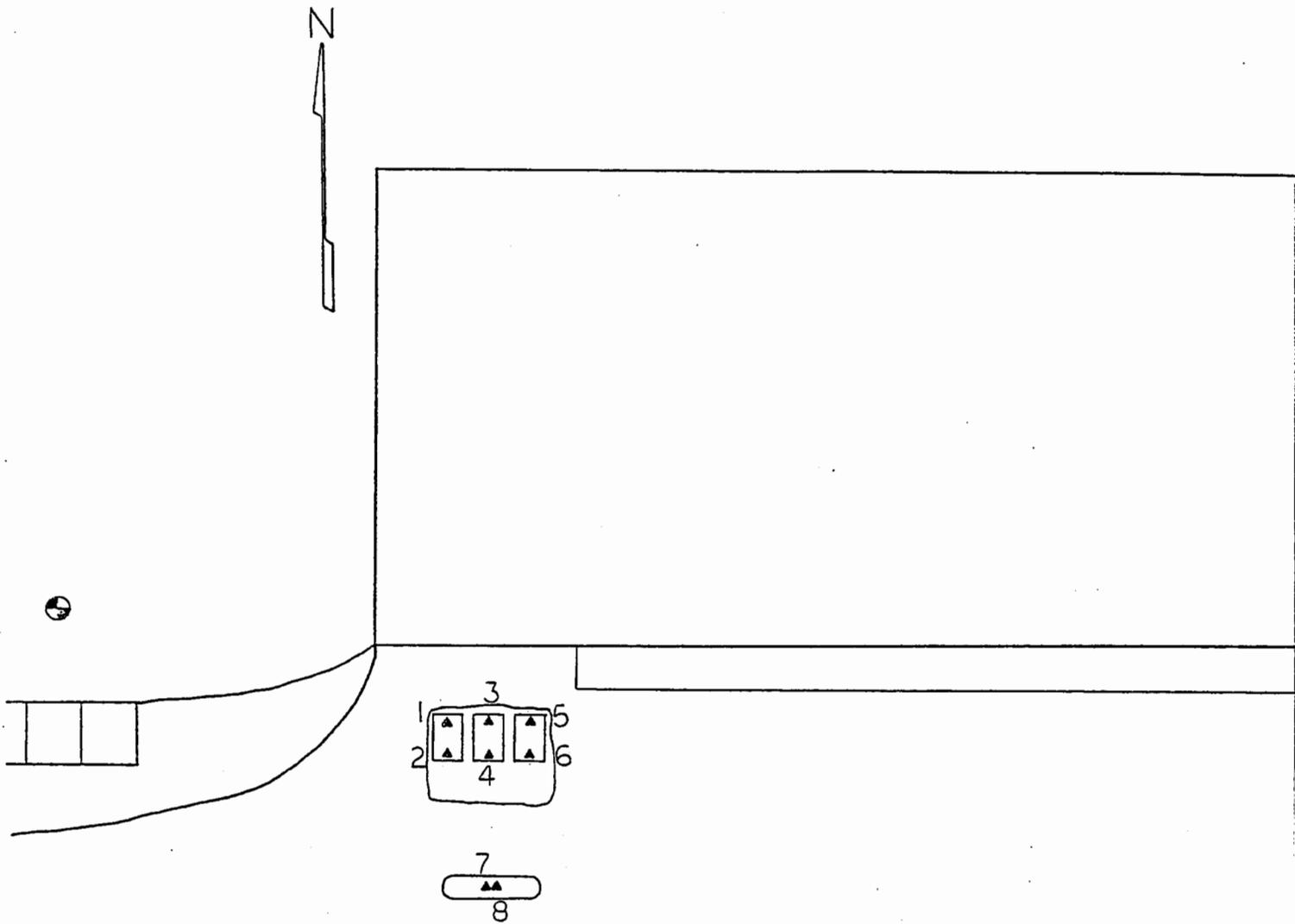
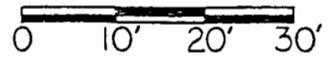
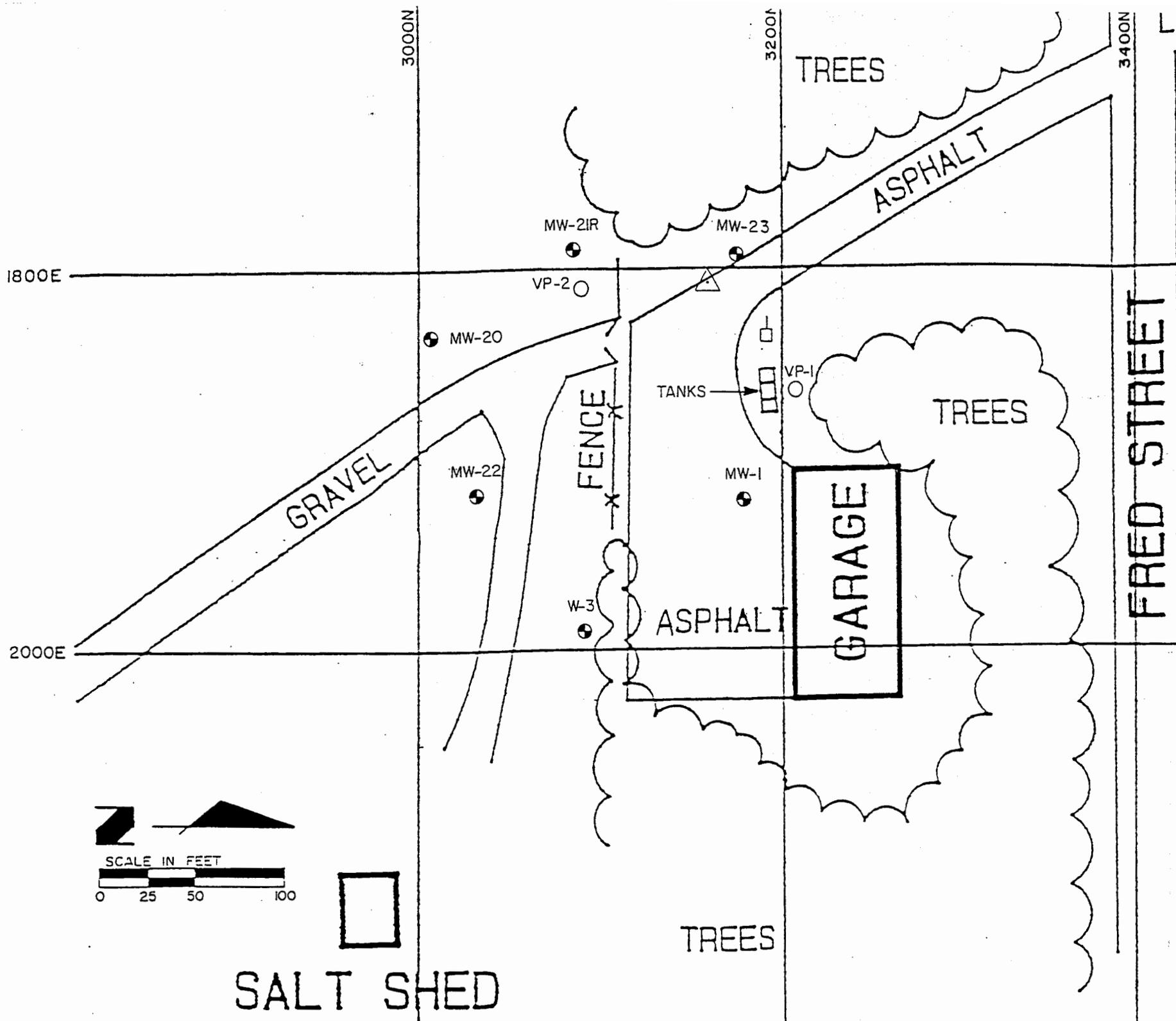


FIGURE 3
FIELD SAMPLES



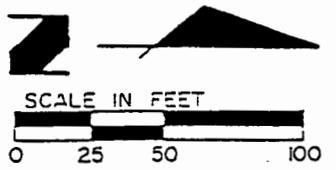
CENTRAL WISCONSIN
ENGINEERS, INC.





- LEGEND**
- MONITORING WELL
 - VAPOR PROBE
 - POWER POLE
 - △ SURVEY CONTROL POINT

NOTE: W-# ARE WELLS INSTALLED BY ANOTHER COMPANY



SALT SHED

SITE PLAN	
ROTHSCHILD GARAGE ROTHSCHILD, WISCONSIN	
CENTRAL WISCONSIN ENGINEERS, INC.	FIGURE 2
	PROJECT 18690050

Groundwater Chemistry Data for a Petroleum Release Site

Project Name and Number: Rothschild Garage, #18690050, Rothschild, WI

NR Project Identification Number: NCD/UID #728

Well ID MW-1

ABBREVIATIONS	Symbols	PVC Elevation	1184.38
AL: Preventive Action Limit	--: Regulatory limit not established.	Ground Elevation	1184.87
EL: Enforcement Standard	--: Not analyzed.	Screen Top Elevation	1157.4
PL: Practical Quantitation Limit		Point elevation	1147.4
PH: Total Petroleum Hydrocarbons			
RO: Gasoline Range Organics			
RO: Diesel Range Organics			
OC: Volatile Organic Compounds			

Sample Date	11/18/91	11/4/92	2/8/93	5/3/93	3/14/94	6/3/94
Depth to Water	30.10	28.78	30.10	30.01	30.58	30.12
Water Elevation	1154.28	1155.60	1154.28	1154.37	1153.80	1154.26
Notes	*, V	O, V	C, Et	C, Es	C	C, V

ORGANICS (TPH)	PAL	ES	PQL ¹						
GRO	-	-	20	N	N	N	N	N	N
DRO	-	-	100	N	N	200#	N	N	N

ORGANICS (VOC)	PAL	ES	PQL ¹						
Benzene	0.5	5	1	N	N	N	N	N	N
Ethylbenzene	140	700	1	N	N	N	N	N	N
Toluene	68.6	343	1	N	N	N	N	N	N
Styrenes & o-Xylene	124	620	2	N	N	N	N	N	N
m- & p-Xylenes	124	620	2	N	N	N	N	N	N
Total xylenes	124	620	3	N	N	N	N	N	N
Methyl-t-butyl ether	12	60	1	N	N	N	N	N	N
1,2,4-Trimethylbenzene	-	-	1	N	N	N	N	N	N
1,3,5-Trimethylbenzene	-	-	1	N	N	N	N	N	N
Chloroethane	-	-	1	1	N	--	--	--	N
1,1-Dichloroethane	-	-	1	1	N	--	--	--	N
cis-1,2-Dichloroethene	-	-	1	2	N	--	--	--	N
Methyl Chloride	15	150	10	N	9.8#	--	--	--	N

ORGANICS (metals)	PAL	ES	PQL ¹						
Lead	1.5	15	2	27	10	2	N	--	--

Comments: # - Most likely due to lab contamination.

* - Analyzed by Swanson Environmental, Inc., Brookfield, WI; Lab certification #26181760.

Results listed as µg/L, which is equivalent to parts per billion, unless otherwise stated.

"n" denotes not detected where "n" is the detection limit greater than listed under PQL.

PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

NOTES:

- Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
- Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
- Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
- Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
- Sample analyzed by Twin City Testing Lab, Wausau, WI. WI lab certification #737105930.
- Full VOC scan performed; no other compounds included in the method were detected.
- Not detected
- Detected but less than PQL
- Analyte found in associated method, trip, and/or field blanks.
- Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

Groundwater Chemistry Data for a Petroleum Release Site

CWE Project Name and Number:

Rothschild Garage, #18690050, Rothschild, WI

WDNR Project Identification Number:

NCD/UID #728

Well ID MW-21R

ABBREVIATIONS	Symbols						PVC Elevation	
PAL: Preventive Action Limit	--: Regulatory limit not established.						1185.70	
ES: Enforcement Standard	---: Not analyzed.						Ground Elevation	
PQL: Practical Quantitation Limit							1182.94	
TPH: Total Petroleum Hydrocarbons							Screen Top Elevation	
GRO: Gasoline Range Organics							1157.9	
DRO: Diesel Range Organics							Point elevation	
VOC: Volatile Organic Compounds							1147.9	
	Sample Date	11/4/92	2/8/93	5/3/93	3/14/94	6/3/94		
	Depth to Water	33.59	34.84	34.33	35.96	34.54		
	Water Elevation	1152.11	1150.51	1151.02	1149.74	1151.16		
	Notes	O, V	C	C	C	C, V		

ORGANICS (TPH)	PAL	ES	PQL ¹						
GRO	-	-	20	N	N	N	N	N	
DRO	-	-	100	N	120#	N	N	N	

ORGANICS (VOC)	PAL	ES	PQL ¹						
Benzene	0.5	5	1	N	N	N	N	N	
Ethylbenzene	140	700	1	N	N	N	N	N	
Toluene	68.6	343	1	N	N	N	N	N	
Styrenes & o-Xylene	124	620	2	N	N	N	N	N	
m- & p- Xylenes	124	620	2	N	N	N	N	N	
Total xylenes	124	620	3	N	N	N	N	N	
Methyl-t-butyl ether	12	60	1	N	N	N	N	N	
1,2,4-Trimethylbenzene	-	-	1	N	N	N	N	N	
1,3,5-Trimethylbenzene	-	-	1	N	N	N	N	N	

INORGANICS (metals)	PAL	ES	PQL ¹						
Lead	1.5	15	2	<2	--	--	--	--	

Comments: # - Most likely due to lab contamination.

All results listed as $\mu\text{g/L}$, which is equivalent to parts per billion, unless otherwise stated.
 <"n" denotes not detected where "n" is the detection limit greater than listed under PQL.
¹ PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

- NOTES:**
- O: Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
 - Et: Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
 - C: Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
 - Es: Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
 - T: Sample analyzed by Twin City Testing Lab, Wausau, WI. WI lab certification #737105930.
 - V: Full VOC scan performed; no other compounds included in the method were detected.
 - N: Not detected
 - L: Detected but less than PQL
 - B: Analyte found in associated method, trip, and/or field blanks.
 - F: Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

Groundwater Chemistry Data for a Petroleum Release Site

CWE Project Name and Number:

Rothschild Garage, #18690050, Rothschild, WI

WDNR Project Identification Number:

NCD/UID #728

Well ID MW-22

ABBREVIATIONS				Symbols						PVC Elevation	
PAL: Preventive Action Limit				--: Regulatory limit not established.						1186.05	
ES: Enforcement Standard				--: Not analyzed.						Ground Elevation	
PQL: Practical Quantitation Limit										1183.03	
TPH: Total Petroleum Hydrocarbons										Screen Top Elevation	
GRO: Gasoline Range Organics										1153.0	
DRO: Diesel Range Organics										Point elevation	
VOC: Volatile Organic Compounds										1143.0	
		Sample Date		11/4/92	2/8/93	5/3/93	3/14/94	6/3/94			
		Depth to Water		31.14	31.49	31.08	31.86	31.38			
		Water Elevation		1154.91	1154.56	1154.97	1154.19	1154.67			
		Notes		O, V	C	C	C	C, V			

ORGANICS (TPH)	PAL	ES	PQL ¹						
GRO	-	-	20	N	N	N	N	N	
DRO	-	-	100	N	N	N	N	N	

ORGANICS (VOC)	PAL	ES	PQL ¹						
Benzene	0.5	5	1	N	N	N	N	N	
Ethylbenzene	140	700	1	N	N	N	N	N	
Toluene	68.6	343	1	N	N	N	N	N	
Styrenes & o-Xylene	124	620	2	N	N	N	N	N	
m- & p- Xylenes	124	620	2	N	N	N	N	N	
Total xylenes	124	620	3	N	N	N	N	N	
Methyl-t-butyl ether	12	60	1	N	N	N	N	N	
1,2,4-Trimethylbenzene	-	-	1	N	N	N	N	N	
1,3,5-Trimethylbenzene	-	-	1	N	N	N	N	N	
Methylene Chloride	15	150	1	4.5#	--	--	--	N	

INORGANICS (metals)	PAL	ES	PQL ¹						
Lead	1.5	15	2	<2	--	--	--	--	

Comments: # - Most likely due to lab contamination.

All results listed as $\mu\text{g/L}$, which is equivalent to parts per billion, unless otherwise stated.

<"n" denotes not detected where "n" is the detection limit greater than listed under PQL.

¹ PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

NOTES:

- O: Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
- Et: Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
- C: Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
- Es: Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
- T: Sample analyzed by Twin City Testing Lab, Wausau, WI. WI lab certification #737105930.
- V: Full VOC scan performed; no other compounds included in the method were detected.
- N: Not detected
- L: Detected but less than PQL
- B: Analyte found in associated method, trip, and/or field blanks.
- F: Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

Groundwater Chemistry Data for a Petroleum Release Site

CWE Project Name and Number: Rothschild Garage, #18690050, Rothschild, WI

WDNR Project Identification Number: NCD/UID #728

Well ID MW-23

ABBREVIATIONS	Symbols	PVC Elevation	1186.08
PAL: Preventive Action Limit	--: Regulatory limit not established.	Ground Elevation	1183.05
ES: Enforcement Standard	---: Not analyzed.	Screen Top Elevation	1155.9
PQL: Practical Quantitation Limit		Point elevation	1140.9
TPH: Total Petroleum Hydrocarbons			
GRO: Gasoline Range Organics	Sample Date	3/14/94	6/3/94
DRO: Diesel Range Organics	Depth to Water	39.83	37.73
VOC: Volatile Organic Compounds	Water Elevation	1146.25	1148.35
	Notes	C, V	C, V

ORGANICS (TPH)	PAL	ES	PQL ¹						
GRO	-	-	20	N	N				
DRO	-	-	100	N	N				

ORGANICS (VOC)	PAL	ES	PQL ¹						
Benzene	0.5	5	1	N	N				
Ethylbenzene	140	700	1	N	N				
Toluene	68.6	343	1	N	N				
Styrenes & o-Xylene	124	620	2	N	N				
m- & p- Xylenes	124	620	2	N	N				
Total xylenes	124	620	3	N	N				
Methyl-t-butyl ether	12	60	1	N	N				
1,2,4-Trimethylbenzene	-	-	1	N	N				
1,3,5-Trimethylbenzene	-	-	1	N	N				

INORGANICS (metals)	PAL	ES	PQL ¹						
Lead	1.5	15	2	--	--				

Comments:

All results listed as $\mu\text{g/L}$, which is equivalent to parts per billion, unless otherwise stated.
 <"n" denotes not detected where "n" is the detection limit greater than listed under PQL.
¹ PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

NOTES:

- O: Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
- Et: Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
- C: Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
- Es: Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
- T: Sample analyzed by Twin City Testing Lab, Wausau, WI. WI lab certification #737105930.
- V: Full VOC scan performed; no other compounds included in the method were detected.
- N: Not detected
- L: Detected but less than PQL
- B: Analyte found in associated method, trip, and/or field blanks.
- F: Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

Groundwater Chemistry Data for a Petroleum Release Site

CWE Project Name and Number:

Rothschild Garage, #18690050, Rothschild, WI

WDNR Project Identification Number:

NCD/UID #728

Field
Blanks
Well ID

ABBREVIATIONS

PAL: Preventive Action Limit
ES: Enforcement Standard
PQL: Practical Quantitation Limit
TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
VOC: Volatile Organic Compounds

Symbols

--: Regulatory limit not established.
---: Not analyzed.

Sample Date	11/4/92	2/8/93	5/3/93	3/14/94	6/3/93		
Sample I.D.	MW-30	MW-30	MW-30	MW-30	MW-30		
Notes	O, V	C, Et	C, Et	C, V	C, V		

ORGANICS (TPH)	PAL	ES	PQL ¹						
GRO	-	-	20	N	N	N	N	N	
DRO	-	-	100	N	140#	N	N	N	

ORGANICS (VOC)	PAL	ES	PQL ¹						
Benzene	0.5	5	1	N	N	N	1.4	N	
Ethylbenzene	140	700	1	N	N	N	N	N	
Toluene	68.6	343	1	N	N	N	4.4	N	
Styrenes & o-Xylene	124	620	2	N	N	N	N	N	
m- & p- Xylenes	124	620	2	N	N	N	N	N	
Total xylenes	124	620	3	N	N	N	N	N	
Methyl-t-butyl ether	12	60	1	N	N	N	N	N	
1,2,4-Trimethylbenzene	-	-	1	N	N	N	N	N	
1,3,5-Trimethylbenzene	-	-	1	N	N	N	N	N	
Methylene Chloride	15	150	1	12#	--	--	N	N	

INORGANICS (metals)	PAL	ES	PQL ¹						
Lead	1.5	15	2	<2	<2	N	--	--	

Comments: # - Most likely due to lab contamination.

All results listed as µg/L, which is equivalent to parts per billion, unless otherwise stated.

<"n" denotes not detected where "n" is the detection limit greater than listed under PQL.

¹ PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

NOTES:

- O: Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
- Et: Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
- C: Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
- ES: Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
- T: Sample analyzed by Twin City Testing, Wausau, WI. WI lab certification #737105930.
- V: Full VOC scan performed; no other compounds included in the method were detected.
- N: Not detected
- L: Detected but less than PQL
- B: Analyte found in associated method, trip, and/or field blanks.
- F: Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

Groundwater Chemistry Data for a Petroleum Release Site

CWE Project Name, Number, and Location: Rothschild Garage, #18690050, Rothschild, WI

WDNR Project Identification Number: NCD/UID #728

Well ID Dupli

ABBREVIATIONS									
PAL: Preventive Action Limit	GRO: Gasoline Range Organics	Symbols							
ES: Enforcement Standard	DRO: Diesel Range Organics	--: Regulatory limit not established.							
PQL: Practical Quantitation Limit	VOC: Volatile Organic Compounds	--: Not analyzed.							
TPH: Total Petroleum Hydrocarbons									
		Sample Date	MW-40	MW-40	MW-40	MW-40	MW-40		
		Sample I.D.	11/4/92	2/8/93	5/3/93	3/14/94	6/3/94		
		Duplicate of	MW-1	MW-1	MW-1	MW-23	MW-23		
		Notes	O,V	C,Et	C,Es	C,V	C,V		
ORGANICS (TPH)				PAL	ES	PQL ¹			
GRO	-	-	20	N	N	N	N	N	
DRO	-	-	100	N	N	N	N	N	
ORGANICS (VOC)				PAL	ES	PQL ¹			
Benzene	0.5	5	1	N	N	N	N	N	
Ethylbenzene	140	700	1	N	N	N	N	N	
Toluene	68.6	343	1	N	N	N	N	N	
o-Xylene	124	620	2	N	N	N	N	N	
m- & p- Xylenes	124	620	2	N	N	N	N	N	
Total xylenes	124	620	3	N	N	N	N	N	
Methyl-t-butyl ether	12	60	1	N	N	N	N	N	
1,2,4-Trimethylbenzene	-	-	1	N	N	N	N	N	
1,3,5-Trimethylbenzene	-	-	1	N	N	N	N	N	
Methylene Chloride	15	150	1	6.7#	--	--	N	N	
INORGANICS (metals)				PAL	ES	PQL ¹			
Lead	1.5	15	2	12	2	N	--	--	
Comments: # - Most likely due to lab contamination.									

All results listed as $\mu\text{g/L}$, which is equivalent to parts per billion, unless otherwise stated.
 <"n" denotes not detected where "n" is the detection limit greater than listed under PQL.
¹ PQLs may vary between samples, sample dates, and labs; listed values are commonly reported minimum PQLs.

- NOTES:**
- O: Sample analyzed by ORTEK Environmental Lab, Green Bay, WI. WI lab certification #405099530.
 - Et: Sample analyzed by Environmental Task Force Lab, Stevens Point, WI. WI lab certification #750040280.
 - C: Sample analyzed by Central Wisconsin Enviro Lab, Schofield, WI. WI lab certification #737125510.
 - Es: Sample analyzed by Enviroscan Lab, Rothschild, WI. WI lab certification #737053130.
 - T: Sample analyzed by Twin City Testing, Wausau, WI. WI lab certification #737105930.
 - V: Full VOC scan performed; no other compounds included in the method were detected.
 - N: Not detected
 - L: Detected but less than PQL
 - B: Analyte found in associated method, trip, and/or field blanks.
 - F: Sample was field filtered.

See lab reports for additional information.

Approved	DRK
Date	7-25-94

**Table 2 - Soil Samples
MW-1**

<u>Sample #</u>	<u>Depth in Feet</u>	<u>Field Screening*</u>	<u>Lead in ppm</u>	<u>GRO in ppm</u>	<u>DRO in ppm</u>	<u>VOC's Detected in ppm</u>
MW1-1	10-12	330	---	---	---	---
MW1-2 ✓	15-17	305	14	2,400	1,500	See Appendix A
MW1-3	20-22	38	---	---	---	---
MW1-4	25-27	11	---	---	---	---
MW1-5	30-32	2	---	---	---	---
MW1-6	35-37	3	---	---	---	---
MW1-7 ✓	37½-38½	6	5.0	0.020	ND	BMDL

* = parts-per-million meter units as isobutylene

ppm = parts-per-million

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

VOC = volatile organic compounds

NOTE: HNu Calibration: Span 4.54, Date - 9/18/91

BMDL = below method detection limit

--- = Samples not sent to laboratory

The complete laboratory results are in Appendix D.

Table 2

Field Sample Results

<u>Sample</u>	<u>Location</u>	<u>Depth in Feet</u>	<u>ppm</u>
1	North End - Tank 3	8.0	0
2	South End - Tank 3	8.0	0
3	North End - Tank 2	8.0	0
4	South End - Tank 2	8.0	0
5	North End - Tank 1	8.5	0
6	South End - Tank 1	8.5	0
7	Center - Pump Island	2.0	275
8	Center - Pump Island	7.0	250

Sample locations are indicated on Figure 3.

4.3 OVM Sampling Procedures

The samples gathered for OVM analysis were collected using a hand trowel cleaned with Alconox detergent and tap water between samples. The samples were placed in clean, clear glass bottles (1/2 full) and covered tightly with aluminum foil. Samples were placed in a protected area and allowed to reach a temperature of approximately 70° F. The head space soil gases were then analyzed by gently placing the probe through the aluminum foil. The meter readings are direct from a digital read-out in parts per million (ppm).

TABLE 1

ANALYTICAL RESULTS

<u>Parameter</u>	<u>MW1-2</u> <u>15-17'</u>	<u>MW1-7</u> <u>37.5-38.5'</u>	<u>LDL</u>	<u>Test</u> <u>Method</u>
Lead	14	8.0	2.5	7420

All values are in mg/kg which is equal to parts-per-million (ppm).

ND = Not Detected

LDL = Lower Detectable Limit

Date Analyzed: October 8, 1991

Laboratory No: 4410 02-004

TABLE 1

ANALYTICAL RESULTS

<u>Parameter</u>	<u>MW1-2 15-17'</u>	<u>MW1-7 37.5-38.5'</u>	<u>LDL</u>	<u>Test Method</u>
Lead	14	8.0	2.5	7420

All values are in mg/kg which is equal to parts-per-million (ppm).

ND = Not Detected

LDL = Lower Detectable Limit

Date Analyzed: October 8, 1991

Laboratory No: 4410 02-0041



555 SOUTH 72ND AVENUE
PO BOX 1817
WAUSAU, WI 54402-1817
PHONE 715/845-4100

TABLE 1

#8105-91-0319

	<u>MW1-2</u>	<u>MDL</u> <u>ug/Kg</u>
WTCT #	3924	
Parameter		
Gasoline Range Organics	2,400,000*	1000
Benzene	ND	100
Toluene	2,600	100
Ethyl Benzene	12,000	100
Xylenes	61,000	100
MTBE	ND	100
1,3,5-trimethyl benzene	120,000	100
1,2,4-trimethyl benzene	150,000	100
Date Analyzed	10/8/91	
** # of Days Exceeding HT	6	

All values are in ug/Kg. ug/Kg is equal to parts-per-billion (ppb).

For conversion to parts-per-million (ppm), multiply results by 0.001.

ND = Not Detected

MDL = Method Detection Limit

* = Higher boiling hydrocarbons present, non-typical of fresh gasoline.

** = Various samples exceeded the recommended method holding time.

**PETROLEUM VOLATILE ORGANIC COMPOUND RESULTS
EPA METHOD 8020**

(All values are in mg/Kg which is equal to parts-per-million)

Client ID:	MW1-2	MW1-7	Trip Blank	
TCT ID:	297849	297850	297851	
<u>Parameter:</u>				<u>PQL</u>
Benzene	ND	ND	ND	0.050
Toluene	ND	ND	ND	0.050
Ethyl benzene	ND	ND	ND	0.050
Total xylenes	ND	ND	ND	0.050
Methyl-tert-butyl ether	ND	ND	ND	0.050
1,3,5-Trimethylbenzene	ND	ND	ND	0.050
1,2,4-Trimethylbenzene	ND	ND	ND	0.050
Surrogate Recovery:				
α,α,α -Trifluorotoluene	108%	106%	104%	
Gasoline Range Organics	ND	ND	ND	10
Surrogate Recovery:				
α,α,α -Trifluorotoluene	108%	106%	105%	
Date Collected:	10/1/92	10/1/92	10/2/92	
Date Extracted:	10/1/92	10/1/92		
Date Analyzed:	10/12/92	10/12/92	10/7/92	

All results are reported on a dry weight basis.

PQL = Practical Quantitation Limit

ND = Not Detected

Reference: EPA Test Methods for Evaluating Solid Waste, SW-846, November 1986, 3rd Edition.

Wisconsin Department of Natural Resources, PUBL-SW-140, April 1992.

LABORATORY NO: 4410 03-00:

CENTRAL WISCONSIN ENVIRO LAB, INC.

Wisconsin Certification No. 737125510

LABORATORY ANALYSIS RESULTS

Sample I.D.: MW 23-3
 Sample Matrix: Soil
 Date Collected: 3/02/94
 Project: Rothschild Garage
 Project #: 18690050

Date Received: 3/03/94
 Lab Batch ID: 9403002
 Lab Sample ID: 003678
 Reviewed By: DES

Parameter Number	Parameter	PQL	Concentration	Units	Comments	Date Analyzed
78920	Gasoline Range Organics (GRO)	5.0	ND	mg/kg	None	3/14/94
78124	Benzene	0.050	ND	mg/kg		3/14/94
78113	Ethylbenzene	0.050	ND	mg/kg		3/14/94
78131	Toluene	0.050	ND	mg/kg		3/14/94
77135	o-Xylene	0.050	ND	mg/kg		3/14/94
85795	m&p Xylene	0.050	ND	mg/kg		3/14/94
	Methyl-t-butylether (MTBE)	0.150	ND	mg/kg		3/14/94
77222	1,2,4-Trimethylbenzene	0.150	ND	mg/kg		3/14/94
77226	1,3,5-Trimethylbenzene	0.050	ND	mg/kg		3/14/94
78919	Diesel Range Organics (DRO) Extraction Date	10	ND	mg/kg	None	3/10/94 3/10/94

ND: Not Detected
 J: Detected but below PQL. Estimated concentration
 PQL: Practical Quantitation Limit
 GRO/DRO: Determined by Modified Wisconsin WDNR LUST Guidance.
 PVOC: Determined according to Modified EPA Method 8020.
 CONCENTRATION: Results on dry weight basis

GRO Comments:

1. Significant early eluting peaks before GRO window.
2. Significant late eluting peaks after GRO window.
3. Majority of GRO compounds in early portion of window.
4. Majority of GRO compounds in later portion of window.
5. GRO window shows a raised baseline.

DRO Comments:

1. Significant early eluting peaks before DRO window.
2. Significant late eluting peaks after DRO window.
3. Majority of DRO compounds in early portion of window.
4. Majority of DRO compounds in later portion of window.
5. DRO window shows a raised baseline.

CENTRAL WISCONSIN ENVIRO LAB, INC.

Wisconsin Certification No. 737125510

LABORATORY ANALYSIS RESULTS

Sample I.D.: MW 23-7
 Sample Matrix: Soil
 Date Collected: 3/02/94
 Project: Rothschild Garage
 Project #: 18690050

Date Received: 3/03/94
 Lab Batch ID: 9403002
 Lab Sample ID: 003679
 Reviewed By: DLS

Parameter Number	Parameter	PQL	Concentration	Units	Comments	Date Analyzed
78920	Gasoline Range Organics (GRO)	5.0	ND	mg/kg	None	3/14/94
78124	Benzene	0.050	ND	mg/kg		3/14/94
78113	Ethylbenzene	0.050	ND	mg/kg		3/14/94
78131	Toluene	0.050	ND	mg/kg		3/14/94
77135	o-Xylene	0.050	ND	mg/kg		3/14/94
85795	m&p Xylene	0.050	ND	mg/kg		3/14/94
	Methyl-t-butylether (MTBE)	0.150	ND	mg/kg		3/14/94
77222	1,2,4-Trimethylbenzene	0.150	ND	mg/kg		3/14/94
77226	1,3,5-Trimethylbenzene	0.050	ND	mg/kg		3/14/94
78919	Diesel Range Organics (DRO) Extraction Date	10	ND	mg/kg	None	3/10/94 3/10/94

ND: Not Detected
 J: Detected but below PQL. Estimated concentration
 PQL: Practical Quantitation Limit
 GRO/DRO: Determined by Modified Wisconsin WDNR LUST Guidance.
 PVOC: Determined according to Modified EPA Method 8020.
 CONCENTRATION: Results on dry weight basis

- GRO Comments:**
1. Significant early eluting peaks before GRO window.
 2. Significant late eluting peaks after GRO window.
 3. Majority of GRO compounds in early portion of window.
 4. Majority of GRO compounds in later portion of window.
 5. GRO window shows a raised baseline.

- DRO Comments:**
1. Significant early eluting peaks before DRO window.
 2. Significant late eluting peaks after DRO window.
 3. Majority of DRO compounds in early portion of window.
 4. Majority of DRO compounds in later portion of window.
 5. DRO window shows a raised baseline.

