

GIS REGISTRY

Cover Sheet

July, 2008
(RR 5367)

Source Property Information

BRRTS #: 03-05-001521

ACTIVITY NAME: HALRON OIL

PROPERTY ADDRESS: 418 LIBERTY ST

MUNICIPALITY: GREEN BAY

PARCEL ID #: 1-1398 & 1-1398A

CLOSURE DATE: Jun 29, 2000

FID #:

DATCP #:

COMM #: 54306218818

*WTM COORDINATES:

X: 676198 Y: 449129

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

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Off-Source Contamination

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

Land Use Controls:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between residential and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government or economic
development corporation)*

Monitoring wells properly abandoned? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

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

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

BRRTS #: 03-05-001521 PARCEL ID #: 1-1398 & 1-1398A

ACTIVITY NAME: HALRON OIL WTM COORDINATES: X: 676198 Y: 449129

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

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

SOURCE LEGAL DOCUMENTS

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

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

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location And Local Topography**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: **Title: Location of Soil Borings and Monitoring Wells and Extent of Contamination**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 5 **Title: Confirmatory Soil Sample Locations**

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ACTIVITY NAME: HALRON OIL

MAPS (continued)

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

Figure #: **Title:**

Figure #: **Title:**

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

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

Figure #: 7 **Title: Pre/Post Remediation Groundwater**

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

Figure #: 11 **Title: Ground Water Elevation Contour Map (4-24-97)**

Figure #: **Title:**

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

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

Soil Analytical Table: A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 3 **Title: Soil Laboratory Analytical Results**

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

Table #: 1 **Title: Groundwater Analytical Results**

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

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

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

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

Not Applicable

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

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

Figure #: **Title:**

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

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

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

BRRTS #: 03-05-001521

ACTIVITY NAME: HALRON OIL

NOTIFICATIONS

Source Property

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

Off-Source Property

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TDD 920-492-5912

June 30, 2000

Mr. Bart Lubinski
Halron Oil Company
1618 State Street
Green Bay, WI 54304

SUBJECT: Case Closure of the Halron Oil Company site, 418 Liberty
Street, Green Bay, WI
BRRTS # 03-05-001521

Dear Mr. Lubinski:

On September 21, 1999, the above-named site was reviewed by the Bureau for Remediation and Redevelopment's Northeast Region Closeout Committee to determine whether the case qualified for closeout under ch. NR 726, Wis. Adm. Code. This panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. The committee has approved the closure of this case.

Upon receiving the monitoring well abandonment forms and the signed restriction on June 29, 2000, the Department considers the above referenced case "closed", having determined that no further action is necessary at the site at this time. The site will now be listed as closed in the WDNR tracking system.

Based on the investigative documentation provided to the Department, it appears that the petroleum contamination at the above-named site is in compliance with the requirements of chs. NR 700 to NR 726, Wis. Adm. Code. However, this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicate that contamination on or from the site poses a threat to public health, safety or welfare to the environment.

Thank you for your and your consultant's cooperation and cleanup efforts during this process. If you have any questions regarding the content of this letter, please contact me at (920) 492-5921.

Sincerely,

Keld B. Lauridsen
Hydrogeologist
Bureau for Remediation & Redevelopment

cc:

John Maas, MMA, Inc., 2304 Bel-Aire Court, Green Bay, WI 54304-5017

Quality Natural Resources Management
Through Excellent Customer Service



Adm. Code, enforcement standard of 60 ppb for Methyl-tert-butyl-ether. On April 1, 1999, 1,2-Dichloroethane contaminated groundwater above the ch. NR 140, Wis. Adm. Code, enforcement standard existed on this property at the former location of piezometer PZ1300 at a concentration of 8.2 ppb which is above the ch. NR 140, Wis. Adm. Code, enforcement standard of 5 ppb for 1,2-Dichloroethane. On April 25, 1995, Benzene contaminated soil above the ch. NR 720, Wis. Adm. Code, soil standard existed on this property at the location of post excavation soil sample S570 at a concentration of 2,290 ppb which is above the ch. NR 720, Wis. Adm. Code, soil standard of 5.5 ppb for Benzene. The locations of the groundwater monitoring well, piezometer and sump are provided on Drawing No. 1 attached and made part of this restriction. The location of the post excavation soil sample is provided on Figure 4 attached and made part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code, groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code, is restricted by ch. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, 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 limitation and restrictions:

Anyone who proposes to construct or 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 requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by

descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, MICHAEL L. HALRON asserts that he/she is duly authorized to sign this document on behalf of Halco, a Wisconsin partnership comprised of James Halron and Michael Halron.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 24 day of January, 19 2000

Signature: *Michael L. Halron*

Signature: _____

Printed Name: MICHAEL L. HALRON

Printed Name: _____



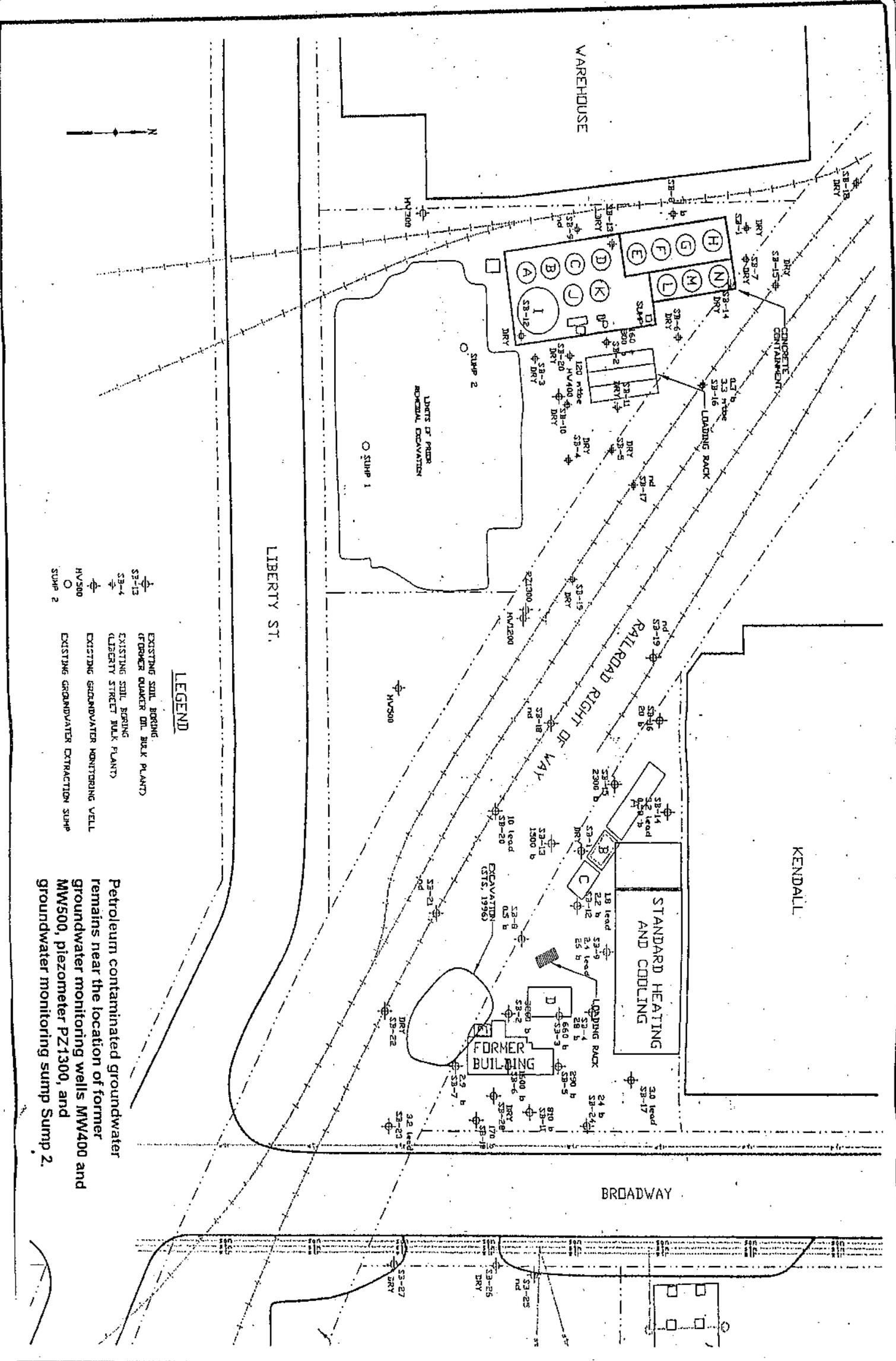
Subscribed and sworn to before me this 24 day of January, 19 2000

Glen E. Steinfeldt
Notary Public, State of Wisconsin, Brown County
My commission 4-2-2000
Glen E. Steinfeldt

Subscribed and sworn to before me this _____ day of _____, 19 ____

Notary Public, State of _____
My commission _____

This document was drafted by the Wisconsin Department of Natural Resources.



LEGEND

- EXISTING SOIL BORING (FORMER QUARTER OIL BULK PLANTS)
- EXISTING SOIL BORING (LIBERTY STREET BULK PLANTS)
- EXISTING GROUNDWATER MONITORING WELL
- EXISTING GROUNDWATER EXTRACTION SUMP

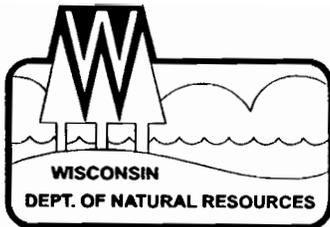
Petroleum contaminated groundwater remains near the location of former groundwater monitoring wells MW400 and MW500, piezometer PZ1300, and groundwater monitoring sump Sump 2.

MMA, INC.
 CONSULTING ENGINEERS
 2304 Del-Aire Court
 Green Bay, WI 54304
 Phone: 920/502-0006

**GROUNDWATER
 SAMPLE LOCATIONS**



DATE: JAN. 1995
 SCALE: 1" = 50'
 DRAWING NO. 1



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ronald W. Kazmierczak, Regional Director

Remediation and Redevelopment
1125 North Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5916
FAX 920-492-5859
TDD 920-492-5812

September 28, 1999

Mr. Bart Lubinski
Halron Oil Company
1618 State Street
Green Bay, WI 54304

SUBJECT: Halron Oil Company, 418 Liberty Street, Green Bay, WI
WDNR BRRTS #03-05-001521

Dear Mr. Lubinski:

On September 21, 1999, the Northeast Region Closeout Committee met to discuss various sites. The committee has agreed to close this site pending a soil deed and groundwater use restriction. This soil deed and groundwater use restriction will state that inaccessible soil and groundwater contamination may remain at this site and that additional remedial action is not feasible at this time. The document would be placed in the file with the deed running with the property.

Only when the soil deed and groundwater use restriction has been finalized and filed with Brown County can this site be closed. To expedite the completion of the soil deed and groundwater use restriction closure process, the Department requests that you submit the following:

- a complete (unabbreviated) legal description of the property
- a copy of the deed
- available maps, such as a survey map, showing the property boundaries, building outlines, areas of remaining contamination, monitoring well/piezometer locations

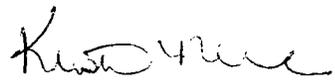
These documents can be obtained at the Brown County Register of Deeds office. Once these items have been submitted, the Department will send you a draft copy of the soil deed and groundwater use restriction containing language regarding the remaining petroleum contamination. If it is acceptable, please sign it and return a signed copy with proof of filing for our records. At that time, the site may be closed.

This soil deed and groundwater use restriction is an option that the Department can offer in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the remaining contamination. Within **14 days** please submit a letter to the Department documenting your intentions.

If you have any additional relevant information that was not formerly provided to the Department, you should submit this information to the Department for reevaluation.

If you have any questions, please contact me in Green Bay at (920) 492-5943.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kristin Nell".

Kristin Nell
Hydrogeologist

cc: John Maas, MMA, Inc.
2304 Bel-Aire Court, Green Bay, WI 54304-5017

DOCUMENT NO.

1114356

STATE BAR OF WISCONSIN FORM 1 - 1982
WARRANTY DEED

J 11627 I 01

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER OF DEEDS
BROWN COUNTY

1987 MAR -3 PM 3:10

Cathy Wittig
REGISTER OF DEEDS

400

This Deed, made between Halron Brothers, a Wisconsin partnership comprised of Donald Halron and Gerald L. Halron

and Halco, a Wisconsin partnership comprised of James Halron and Michael Halron

Witnesseth, That the said Grantor, for a valuable consideration

conveys to Grantee the following described real estate in Brown County, State of Wisconsin: Part of Private Claim No. 11, West Side of Fox River described as follows: Beginning at a point in the northerly line of Private Claim 12 West Side of Fox River in the City of Green Bay, Wisconsin, where the southerly side of the right of way of the Chicago and North Western Railway Company (Manitowoc Line) intersects the same which point is now marked by a 2" iron monument, running thence North 64° West along said Claim Line, 54.53 feet to a point; thence North 25° 51' East and parallel with the Westerly line of South Broadway projected Southerly for a distance of 30 feet to a point in the Southwesterly side of the right of way of said Railway Company as a starting point, which point is also marked by a 2" iron monument; thence North 64° West and parallel with the Northerly line of said Private Claim 12 and 30 feet distant therefrom, 367.21 feet to a point also marked by a 2" iron monument; thence North 25° 51' East and parallel with the Westerly line of South Broadway projected Southerly 258.98888 feet to a point in the southwesterly side of the said right of way of the said Railway Company which point is also marked by a 2" iron monument; thence in a 3° curve to the left over a sine 28° 51' 18" East, 449.907 feet following the said southwest side of said right of way to the said starting point, containing one acre of land more or less. This Deed is given to correct the legal description contained in that Deed between the parties recorded in Jacket 11006, Image 14, Document No. 1098878, Brown County, Wisconsin records.

John E. Herald
P. O. Box 1507
Green Bay, WI 54305-1507

Tax Parcel No. 1-1398 & 1-1398A

This is not homestead property.
(Is) (Is not)

TRANSFER
\$ 34.00
FEE

Together with all and singular the hereditaments and appurtenances thereto belonging;

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except none.

and will warrant and defend the same.

Dated this 26th day of February, 1986

(SEAL)

Donald Halron (SEAL)
Donald Halron

(SEAL)

Gerald L. Halron (SEAL)
Gerald L. Halron

AUTHENTICATION

Signature(s) DONALD HALRON & GERALD L. HALRON

authenticated this 26th day of FEB 1986

John E. Herald
JOHN E. HERALD

TITLE: MEMBER STATE BAR OF WISCONSIN

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

ACKNOWLEDGMENT

STATE OF WISCONSIN

Personally came before me this 26th day of February, 1986 the above named

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

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

THIS INSTRUMENT WAS DRAFTED BY

Attorney John E. Herald
P. O. Box 1507, Green Bay, WI 54305-1507

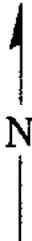
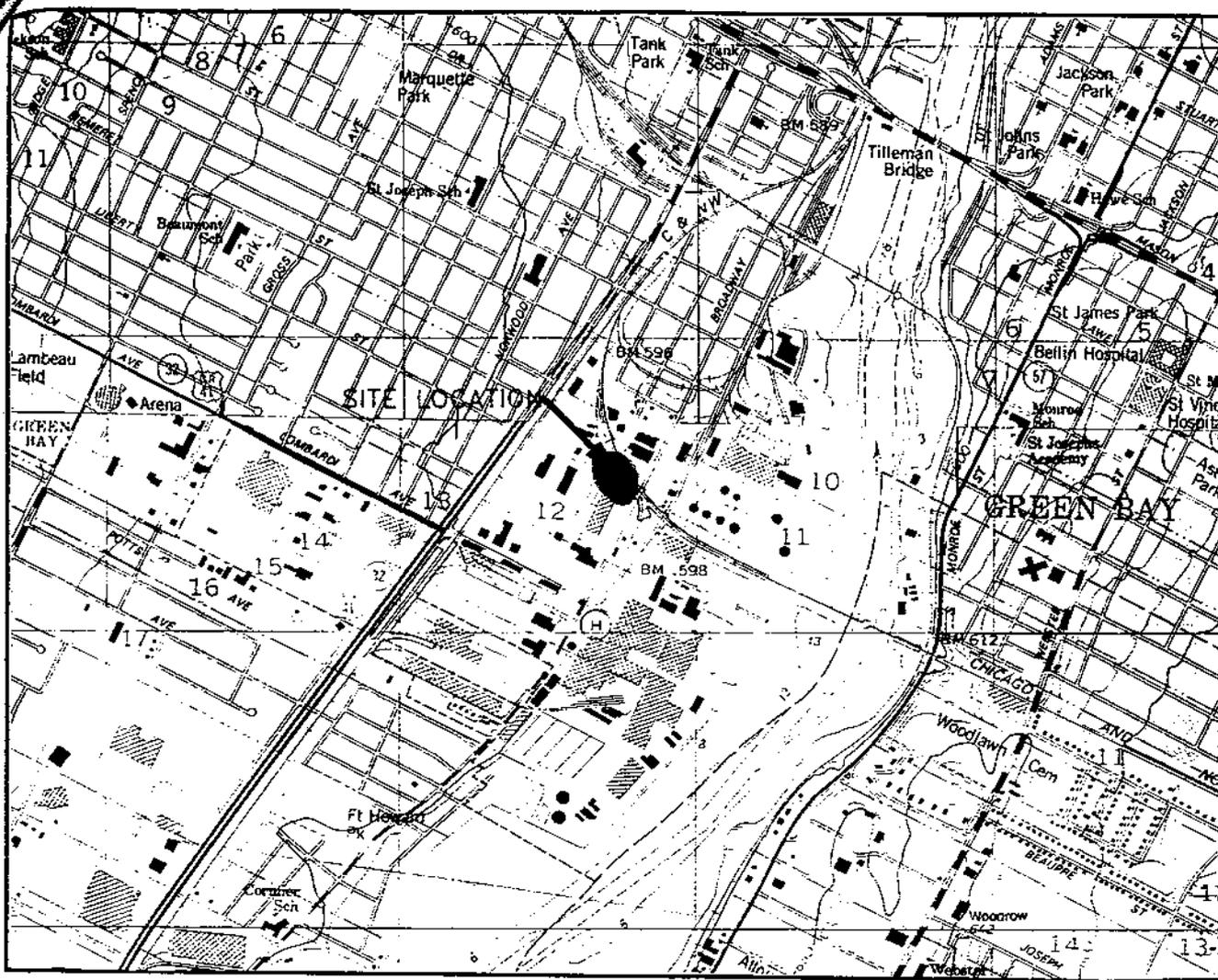
(Signatures may be authenticated or acknowledged, both are not necessary.)

Places of persons signing to any capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 1 - 1982

Wisconsin Legal Bank Co. Inc.
Milwaukee, WI



SCALE 1" = 2000'



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS GREEN BAY WEST, WISCONSIN 7.5 MINUTE QUADRANGLE (REVISED 1982)

DRAWN BY: CAS PROJECT: HRO430014 DATE: 9/28/95

REVISION DATE:
THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREOF SHALL BE RETURNED TO THE OWNER ON DEMAND

FIGURE 1
SITE LOCATION AND LOCAL TOPOGRAPHY
HALRON OIL COMPANY
GREEN BAY, WISCONSIN

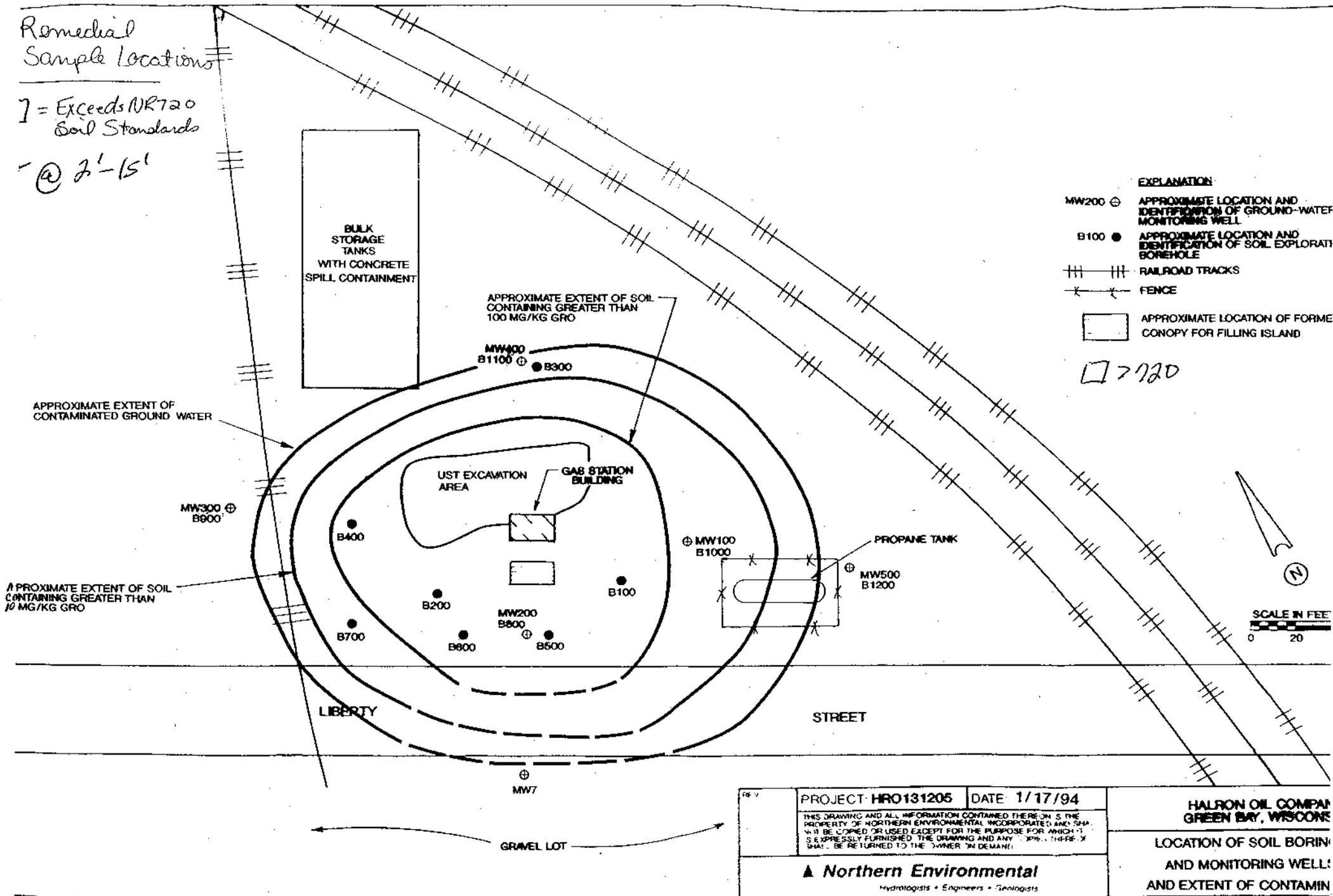
Northern Environmental
Hydrologists • Engineers • Geologists

FOR: HALRON OIL COMPANY

Remedial
Sample Locations

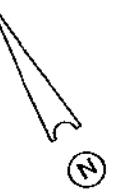
1 = Exceeds NR720
Soil Standards

@ 2'-15'



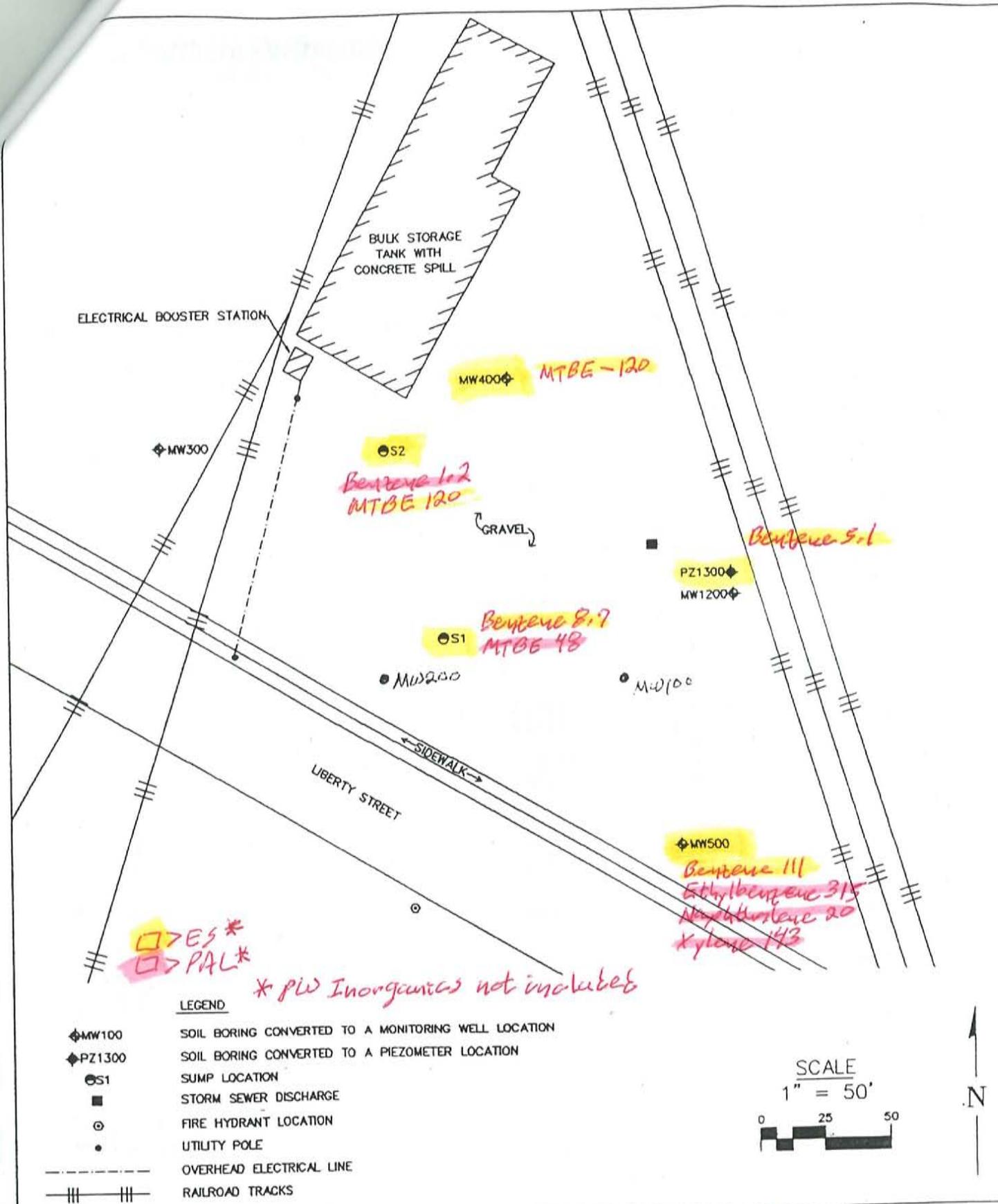
- EXPLANATION:**
- MW200 ⊕ APPROXIMATE LOCATION AND IDENTIFICATION OF GROUND-WATER MONITORING WELL
 - B100 ● APPROXIMATE LOCATION AND IDENTIFICATION OF SOIL EXPLORATION BOREHOLE
 - ||| RAILROAD TRACKS
 - x—x— FENCE
 - APPROXIMATE LOCATION OF FORMER CONOPY FOR FILLING ISLAND

□ > 720



SCALE IN FEET
0 20

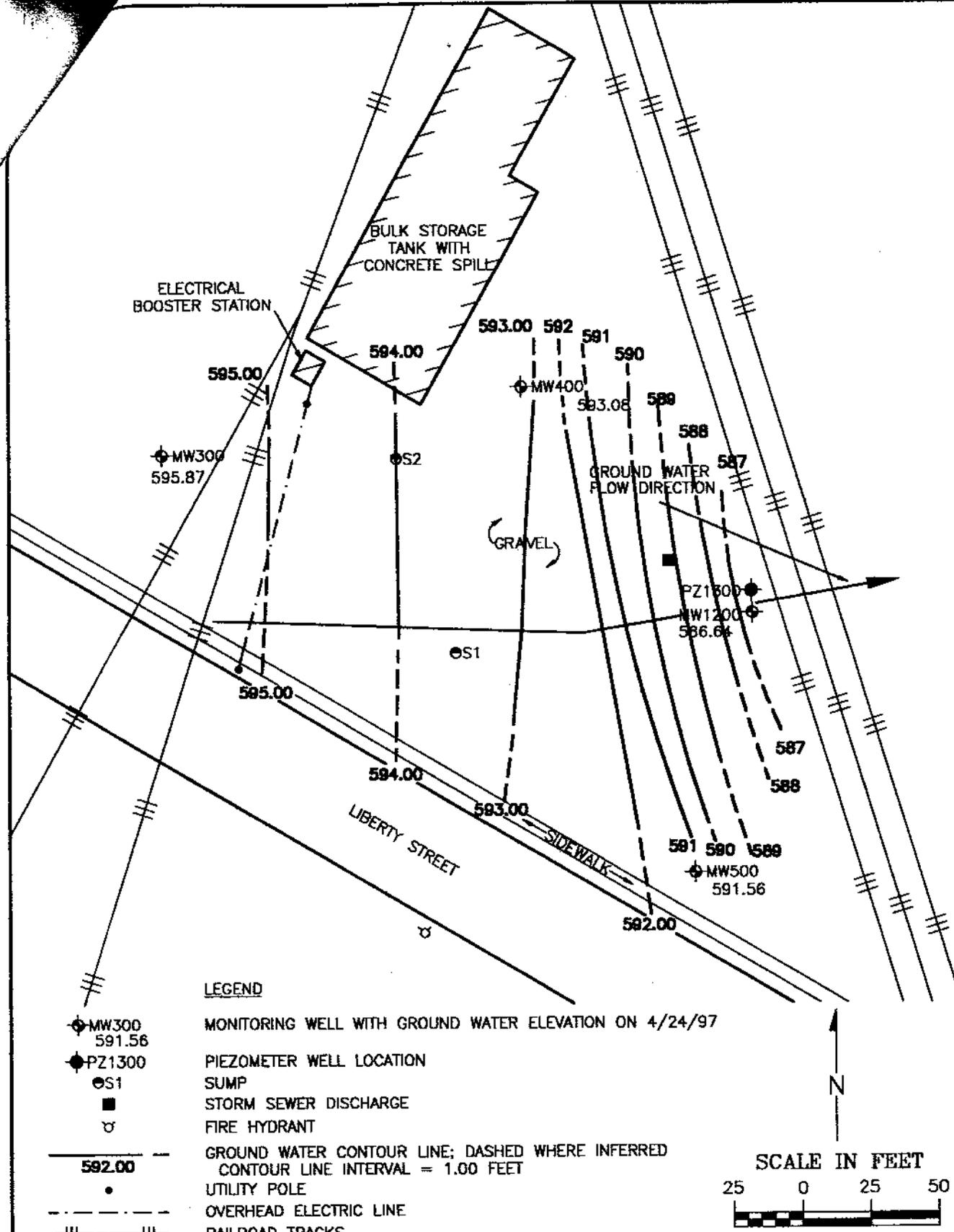
PROJECT: HRO131205	DATE: 1/17/94	HALRON OIL COMPANY GREEN BAY, WISCONSIN LOCATION OF SOIL BORING AND MONITORING WELLS AND EXTENT OF CONTAMINATION
<small>THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL, INCORPORATED, AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY INFORMATION THEREON SHALL BE RETURNED TO THE OWNER ON DEMAND.</small>		
▲ Northern Environmental <small>Hydrologists • Engineers • Geologists</small>		



DES*
PAL*

* plw Inorganics not included

DRAWN BY: CAS REVISION DATE:	PROJECT: HRO430014 THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREOF SHALL BE RETURNED TO THE OWNER ON DEMAND.	DATE: 9/28/95	FIGURE 7 <i>Pre/Post Remediation Groundwater</i> HALRON OIL COMPANY GREEN BAY, WISCONSIN FOR: HALRON OIL COMPANY
Northern Environmental Hydrologists • Engineers • Geologists			



DRAWN BY: LFC	PROJECT: HRO-0039	DATE: 7/17/98
REV. DATE	THIS DRAWING AND ALL INFORMATION CONTAINED THEREON IS THE PROPERTY OF NORTHERN ENVIRONMENTAL INCORPORATED AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED.	
 Northern Environmental Hydrologists • Engineers • Geologists		

FIGURE ~~X~~ 11
 GROUND WATER ELEVATION CONTOUR MAP (4-24-97)
 HALRON OIL COMPANY
 GREEN BAY, WISCONSIN
 FOR: HALRON OIL COMPANY

Post-Remedial Field Screening & Laboratory Analytical Results

Table 3 Soil Laboratory Analytical Results, Halron Oil Company, Green Bay, Wisconsin

WT @ 2'-15"

Sample Location	Sample Label	Depth (feet)	Sample Grid Location	Sample Odor	Date Collected	PID Response (iui)	Laboratory Result Parameters (mg/kg)													Parameters (mg/kg)				
							Benzene	n-Butylbenzene	sec-Butylbenzene	1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	MTBE	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	Ethylene Glycol	GRO	DRO
Removed for Disposal	S11	6.5	78, 66	Strong Petroleum	4/17/95	232	0.14+	---	---	---	2.7	---	---	<0.25	---	---	---	0.58	25	6.7	5.4+	---	780+	3300+
	S23	14	75, 68	Strong Petroleum	4/17/95	325	0.4+	---	---	---	1.6	---	---	<0.25	---	---	---	0.74	9.6	2.0	3.4	---	330+	350+
	S34	5	100, 69	None	4/17/95	43	0.015+	---	---	---	0.042	---	---	<0.025	---	---	---	0.050	0.49	0.12	0.12	---	24	49
	S53	10	93, 71	Strong Petroleum	4/17/95	280	1.5+	---	---	---	2.5	---	---	<0.025	---	---	---	1.7+	8.5	2.5	4.6+	---	97	200
	S66	12	82, 69	Strong Petroleum	4/18/95	310	0.64+	---	---	---	2.9+	---	---	<0.025	---	---	---	0.66	11	0.94	2.3	---	270+	1400+
	S91	5	105, 63	Strong Petroleum	4/18/95	392	2.4+	---	---	---	8.5+	---	---	<0.025	---	---	---	0.87	21	1.7	9.7+	---	330+	22
	S111	6	111, 47	Strong Petroleum	4/19/95	336	1.3+	---	---	---	1.9	---	---	<0.025	---	---	---	0.47	5.8	0.98	2.5	---	150	460+
	S121	6.5	87, 33	Strong Petroleum	4/19/95	366	2.3+	---	---	---	3.7+	---	---	<0.025	---	---	---	1.8+	15	2.6	5.6+	---	260+	1100+
	S142	6.5	153, 72	Strong Petroleum	4/19/95	>2500	0.31+	---	---	---	1.9	---	---	<0.025	---	---	---	1.1	8.7	5.5	2.3	---	500+	1200+
	S178	4.5	79, 27	Strong Petroleum	4/20/95	>500	19+	---	---	---	73+	---	---	<0.025	---	---	---	180+	310	93	480+	---	3900+	980+
	S196	8	135, 61	Strong Petroleum	4/20/95	351	1.8+	---	---	---	3.2+	---	---	<0.025	---	---	---	0.38	11	3.1	12+	---	180	190
	S210	19	109, 64	Strong Petroleum	4/20/95	256	0.7+	---	---	---	1.5	---	---	<0.025	---	---	---	0.18	4.9	0.88	1.5	---	95	520+
	S230	19	115, 63	Strong Petroleum	4/20/95	330	0.62+	---	---	---	1.5	---	---	<0.025	---	---	---	0.39	1.4	0.48	0.29	---	150	700+
	S272	16	130, 66	Strong Petroleum	4/20/95	343	1.3+	---	---	---	2.0	---	---	<0.025	---	---	---	1.2	2.3	0.81	7.2+	---	75	85
	S286	3	77, 58	Strong Petroleum	4/21/95	500	0.75+	---	---	---	<0.025	---	---	<0.025	---	---	---	12+	21	18	9.6+	---	1600+	630+
	S292	9	133, 17	Strong Petroleum	4/21/95	348	0.52+	---	---	---	2.3	---	---	<0.025	---	---	---	0.18	4.1	1.1	1.3	---	97	57
	S319	8	126, 35	Strong Petroleum	4/21/95	325	0.63+	---	---	---	.98	---	---	<0.025	---	---	---	0.093	1.9	0.59	1.1	---	43	68
	S338	10	130, 80	Strong Petroleum	4/21/95	348	0.16+	---	---	---	0.41	---	---	<0.025	---	---	---	0.42	1.3	0.26	0.76	---	60	63
	S365	6	120, 14	Strong Petroleum	4/21/95	500	2.6+	---	---	---	6.0+	---	---	<0.025	---	---	---	1.7+	19	5.7	31+	---	350+	19
	S401	8	100, 13	Strong Petroleum	4/24/95	395	1.7+	---	---	---	3.5+	---	---	<0.025	---	---	---	0.69	8.8	2.5	14+	---	190	10
S462	6	35, 40	Strong Petroleum	4/24/95	244	0.16+	---	---	---	0.18	---	---	<0.025	---	---	---	1.0	6.7	1.1	0.71	---	480+	340+	
S518	15	85, 10	Strong Petroleum	4/25/95	349	2.8+	---	---	---	1.1	---	---	<0.025	---	---	---	3.7+	2.3	0.61	5.7	---	39	21	
S522	12	80, 10	Strong Petroleum	4/25/95	405	2.7+	---	---	---	2.1	---	---	<0.025	---	---	---	2.8+	5.3	1.5	10	---	78	35	
S542	13	74, 10	Strong Petroleum	4/25/95	400	4.0+	---	---	---	2.9+	---	---	<0.025	---	---	---	7.4+	5.9	1.6	11+	---	73	12	
S561	8	65, 7	Strong Petroleum	4/25/95	345	3.1+	---	---	---	3.3+	---	---	<0.025	---	---	---	6.1+	12	3.2	15+	---	200	<10	
S578	16	70, 21	Slight Petroleum	4/25/95	56	0.194+	<0.017	<0.015	0.054+	0.117	<0.014	<0.015	<0.015	<0.025	<0.022	<0.012	<0.025	0.0303	<0.014	0.083	---	<10	<10	
S588	6	65, 76	Strong Petroleum	4/25/95	348	1.9+	---	---	---	2.7	---	---	<0.025	---	---	---	2.0+	9.1	2.6	11+	---	170	130	
S617	8	45, 16	Strong Petroleum	4/26/95	295	0.19+	---	---	---	0.13	---	---	<0.025	---	---	---	0.13	4.2	0.086	0.17	---	56	100	
S632	6.5	40, 60	Strong Petroleum	4/26/95	0.447	6.3+	---	---	---	13+	---	---	2.2	---	---	---	13+	58	16	69+	---	790+	1500+	
S638	6	30, 15	Strong Petroleum	4/26/95	>500	1.7+	---	---	---	0.99	---	---	<0.025	---	---	---	5.9+	2.6	0.72	6.1+	---	41	22	
S681	7	40, 35	Strong Petroleum	4/27/95	270	0.31+	---	---	---	0.26	---	---	0.37	---	---	---	0.74	4.9	1.3	0.87	---	240	1500+	
S719	7.5	40, 96	Strong Petroleum	5/1/95	350	0.96+	---	---	---	0.48	---	---	<0.025	---	---	---	0.50	23	5.8	17+	---	380+	1100+	

- ☐ > 200
- ☐ > Guidance Non-Industrial 20-Naphthalene
- ☐ > Guidance Industrial 110-Naphthalene
- ☐ Below WT

W.T. @ 2'-15"

Table 3 ^{cont.} Soil Laboratory Analytical Results, Halron Oil Company, Green Bay, Wisconsin

Sample Location	Sample Label	Depth (feet)	Sample Grid Location	Sample Odor	Date Collected	PID Response (iui)	Laboratory Result Parameters (mg/kg)											Parameters (mg/kg)						
							Benzene	n-Butylbenzene	sec-Butylbenzene	1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	MTBE	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	Ethylene Glycol	GRO	DRO
Removed for Disposal (Continued)	S745	9.5	30, 60	Strong Petroleum	5/1/95	349	9.3+	---	---	---	6.5+	---	---	<0.025	---	---	---	8.4+	82	25	59+	---	3300+	20,000+
	S759	6	25, 50	Strong Petroleum	5/2/95	411	0.53+	---	---	---	0.082	---	---	<0.025	---	---	---	0.051	2.9	0.75	3.0	---	55	140
	S765	8	45, 65	Strong Petroleum	5/2/95	434	1.0+	---	---	---	1.4	---	---	<0.025	---	---	---	0.086	5.6	1.4	5.2+	---	100	270
	S798	9.5	60, 86	Strong Petroleum	5/2/95	329	0.11+	---	---	---	1.3	---	---	<0.025	---	---	---	0.12	6.1	0.12	0.41	---	170	440
	S805	4	30, 95	Strong Petroleum	5/2/95	205	0.17+	---	---	---	1.4	---	---	<0.025	---	---	---	0.85	39	16	5.7+	---	2000+	6800+
	S823	7.5	37, 98	Strong Petroleum	5/3/95	300	0.34+	---	---	---	1.7	---	---	<0.025	---	---	---	0.350	8.3	2.2	5.4+	---	320+	1900+
	S836	9	16, 95	Strong Petroleum	5/3/95	258	0.30+	---	---	---	0.084	---	---	<0.025	---	---	---	0.41	8.5	1.6	0.72	---	320+	690+
	S851	9	0, 74	Strong Petroleum	5/3/95	148	1.0+	---	---	---	0.72	---	---	<0.025	---	---	---	1.2	5.2	1.6	1.8	---	370+	480+
Excavation Floor	S28	21	75, 65	None	4/17/95	14	<0.014	<0.017	<0.015	<0.011	<0.014	<0.014	<0.015	<0.015	0.028	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	25	<10
	S32	19.8	77, 95	Slight Petroleum	4/17/95	60	<0.014	<0.017	<0.015	<0.011	<0.014	<0.014	<0.015	<0.015	0.028	<0.022	<0.012	<0.015	<0.014	<0.014	<0.039	---	1.3	<10
	S282	21	142, 43	None	4/21/95	39	1.02+	0.08	0.02	<0.011	1.8	0.179	<0.018	<0.015	0.245	0.61	<0.009	0.12	1.11	0.189	0.895	---	17	<10
	S293	18	117, 50	None	4/21/95	19.7	0.287+	0.076	<0.015	0.037+	0.057	<0.014	<0.015	<0.015	<0.025	0.287	<0.012	0.0252	0.130	0.0275	0.056	---	<10	<10
	S353	17	143, 85	None	4/21/95	3.3	<0.014	---	---	---	<0.014	---	---	<0.015	---	---	---	<0.025	0.022	<0.014	<0.039	---	<10	<10
	S373	20	98, 87	None	4/21/95	26.7	0.87+	<0.017	<0.015	<0.011	0.213	0.0245	<0.015	<0.015	<0.025	0.0269	<0.012	<0.025	0.0211	<0.014	0.124	Negative	<10	<10
	S381	14	118, 8	Strong Petroleum	4/21/95	102	5.2+	---	---	---	0.87	---	---	<0.15	---	---	---	0.52	<0.14	<0.14	0.35	---	<10	<10
	S396	14	110, 17	None	4/24/95	6	0.78+	<0.017	<0.015	0.158+	<0.014	<0.014	<0.015	<0.015	<0.025	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S407	19	110, 104	None	4/24/95	7	<0.014	0.035	0.0224	<0.011	<0.014	<0.014	<0.015	<0.015	0.043	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S475	17	158, 78	None	4/24/95	21	0.0239+	0.185	0.0272	<0.011	0.07	<0.014	<0.015	<0.015	0.059	0.07	<0.012	0.074	0.136	0.032	0.213	---	<10	<10
	S479	6	90, 50	None	4/25/95	9	0.0194+	0.139	0.016	<0.011	0.065	<0.014	<0.015	<0.015	0.136	0.075	<0.012	<0.025	0.133	0.032	0.152	---	<10	10
	S501	15	133, 96	None	4/25/95	35	0.050+	0.305	0.113	<0.011	0.121	0.109	0.027	<0.015	0.176	0.720	<0.012	<0.025	0.104	0.044	0.066	---	<10	<10
	S533	18	114, 75	None	4/25/95	14	0.04+	0.65	0.07	<0.011	0.15	0.0251	0.032	<0.015	0.54	0.297	<0.012	0.036	0.38	0.105	0.258	---	17	15
	S546	18	90, 32	None	4/25/95	13	<0.014	<0.017	<0.015	0.07+	<0.014	<0.014	<0.015	<0.015	<0.025	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	140
	S591	18	55, 75	None	4/25/95	7	<0.014	<0.017	<0.015	<0.011	<0.014	<0.014	<0.015	0.44	0.043	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	Positive	<10	<10
	S646	12	23, 8	None	4/26/95	1	<0.014	0.249	0.165	<0.011	<0.014	<0.014	<0.015	0.217	0.036	<0.022	<0.012	<0.025	0.0189	<0.014	0.0312	---	<10	<10
	S647	18	60, 50	None	4/26/95	2.5	<0.014	<0.017	<0.015	<0.011	<0.014	<0.014	0.0169	<0.015	0.0274	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S669	14	45, 26	None	4/27/95	5.4	<0.014	<0.017	<0.015	<0.011	<0.014	<0.014	<0.015	<0.015	0.036	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S735	14	20, 46	None	5/1/95	13	<0.014	0.072	<0.015	<0.011	<0.014	<0.014	<0.015	0.037	<0.025	<0.022	<0.012	<0.025	0.0227	<0.014	0.017	---	<10	<10
	S761	14.5	30, 76	None	5/2/95	16	0.0306+	0.0253	<0.015	<0.011	<0.014	<0.014	<0.015	0.35	<0.025	<0.022	<0.009	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S812	17	47, 99	None	5/2/95	11	<0.014	0.0179	<0.015	<0.011	<0.014	<0.014	<0.015	0.039	<0.025	<0.022	<0.012	<0.025	<0.014	<0.014	<0.039	---	<10	<10
	S849	15.5	4, 64	None	5/3/95	39	0.0153+	0.144	0.057	<0.011	0.039	<0.014	<0.015	<0.015	0.112	0.038	<0.012	<0.025	0.032	0.0173	0.0167	---	<10	20
S872	14	10, 88	None	5/3/95	12.2	<0.014	<0.017	<0.015	<0.011	0.0211	<0.014	<0.015	<0.015	0.077	0.0239	<0.012	<0.025	0.0143	<0.014	<0.039	---	<10	<10	

> 720
 > Guidance - NI
 > Guidance - I
 Below WT

Post-Reamed

W.T. @ 2'-15'

Table 3 - cont. Soil Laboratory Analytical Results, Halron Oil Company, Green Bay, Wisconsin

Sample Location	Sample Label	Depth (feet)	Sample Grid Location	Sample Odor	Date Collected	PID Response (IUI)	Laboratory Result Parameters (mg/kg)													Parameters (mg/kg)				
							Benzene	n-Butylbenzene	sec-Butylbenzene	1,2-Dichloroethane	Ethylbenzene	Isopropylbenzene	p-Isopropyltoluene	MTBE	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	Ethylene Glycol	GRO	DRO
Southeast Excavation Wall	S343	16	165, 55	None	4/21/95	27	<0.014	---	---	.029+	<0.014	---	---	<0.015	---	---	<0.012	<0.025	0.0187	<0.014	<0.039	---	<10	<10
	S411	9	150, 18	Strong Petroleum	4/24/95	19.4	<0.014	0.370	0.217	<0.011	0.253	0.151	0.074	<0.015	0.117	0.77	<0.012	<0.025	0.085	0.101	0.066	---	<10	<10
	S503	11	135, 96	None	4/25/95	10	<0.014	0.074	<0.015	<0.011	0.038	<0.014	<0.015	<0.015	<0.025	0.054	<0.012	0.0272	0.0283	<0.014	0.0416	---	<10	<10
Northeast Excavation Wall	S355	11	143, 85	None	4/21/95	15	<0.014	0.057	<0.015	<0.011	0.0228	<0.014	0.0195	<0.015	0.034	0.041	<0.009	<0.025	<0.014	<0.014	<0.039	---	<10	69
	S439	16	105, 95	None	4/24/95	21	<0.014	0.094	0.081	<0.011	<0.014	0.213	<0.015	<0.015	0.131	<0.022	<0.012	<0.025	0.0162	<0.014	<0.039	---	<10	<10
	S581	8	81, 108	None	4/25/95	11.9	<0.014	0.064	<0.015	<0.011	0.0231	<0.014	<0.015	<0.015	0.04	0.0222	<0.012	0.032	0.061	0.0142	0.197	---	<10	<10
	S807	12	54, 111	None	5/2/95	33	<0.014	0.64	0.26	<0.011	<0.014	0.065	<0.015	0.0175	0.4	0.37	<0.012	<0.025	0.243	0.115	0.136	---	18	45
	S845	9	32, 100	Strong Petroleum	5/3/95	487	0.55+	6.2	0.77	<0.011	3.0+	0.63	0.42	<0.015	1.93	2.7	<0.012	0.228	8.0	2.32	9.44+	---	37	830+
	S864	9	10, 100	None	5/3/95	13	<0.014	0.44	0.063	<0.011	0.177	<0.014	<0.015	<0.015	0.56	0.147	<0.012	0.0256	0.256	0.063	0.245	---	40	57
Southwest Excavation Wall	S415	12	130, 5	Strong Petroleum	4/24/95	435	0.28+	---	---	---	0.69	---	---	<0.025	---	---	---	0.14	3.2	0.97	4.2+	---	44	45
	S532	9	100, 5	Strong Petroleum	4/25/95	439	1.36+	1.71	<0.15	<0.11	1.32	<0.14	<0.15	<0.15	0.68	0.79	<0.12	<0.25	3.40	0.69	5.07+	---	44	250
	S570	3	75, 5	Strong Petroleum	4/25/95	459	2.29+	11	1.48	<0.055	6.9+	1.42	0.85	<0.075	4.8	9	<0.06	3.7+	17	4.7	30.2+	---	460+	66
	S623	4	50, 3	Strong Petroleum	4/26/95	>500	0.065+	5.8	0.46	<0.011	1.48	0.54	0.225	<0.025	2.1	2.09	0.116	1.59+	9.1	2.8	10.1+	---	<10	<10
	S685	9	25, 3	Slight Petroleum	4/27/95	68	0.076+	0.151	<0.015	<0.011	0.098	<0.014	<0.015	0.137	0.118	0.143	<0.012	<0.025	0.057	0.040	0.062	---	28	61
Northwest Excavation Wall	S690	9	20, 20	None	4/27/95	40	0.101+	0.62	0.201	<0.011	0.190	0.088	0.048	0.162	0.37	0.289	<0.012	<0.025	0.107	0.088	0.117	---	22	22
	S741	9	5, 40	Slight Petroleum	5/1/95	89	0.33+	0.49	0.164	<0.011	0.303	0.0162	0.064	0.073	0.268	0.274	<0.012	<0.025	0.107	0.088	0.117	---	180	250
	S868	10	-8, 70	Strong Petroleum	5/3/95	351	<0.014	2.7	0.67	<0.011	<0.014	0.11	0.35	<0.015	0.9	1.0	<0.012	<0.035	0.460	0.312	0.577	---	180	250

Note:
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 MTBE = Methyl-Tertiary-Butyl-Ether
 PID = Photoionization Detector
 IUI = instrument units as isobutylene
 mg/kg = milligrams per kilogram
 -- = Not analyzed
 + = Exceeds WDNR Regulatory Standards

- > 270
- > Guidance - NI
- > Guidance - I
- Below WT

TABLE NO. 1

HALRON LIBERTY STREET (FRONT PORTION OF PROPERTY)

GROUNDWATER ANALYTICAL RESULTS

Well ID	Date	Lead ug/l	Benzene ug/l	1,2-DCA ug/l	Ethyl- benzene ug/l	MTBE ug/l	Naphth- alene ug/l	Toluene ug/l	1,2,4- TMB ug/l	1,3,5- TMB ug/l	Total Xylenes ug/l
MW300	9/1/93	4	ND	ND	2.7	ND	9.1	18	3.5	ND	10.2
MW300	11/3/95		ND		ND	ND	ND	ND	ND	ND	ND
MW300	3/27/96	<3	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW300	6/27/96		<0.7		<0.7	0.66	<0.41	<1	<1	<0.9	<2
MW300	10/3/96		<0.7		<0.7	<0.5	<0.41	<1	<1	<0.9	<2
MW300	4/24/97		<0.21		<0.68	<0.21		<1.5	<1	<0.86	<1.8
MW400	9/1/93	5	ND	ND	ND	99	ND	ND	ND	ND	ND
MW400	11/3/95		ND		ND	68	ND	ND	ND	ND	ND
MW400	3/27/96	<3	ND	ND	ND	140	ND	ND	ND	ND	ND
MW400	6/27/96		<0.7		<0.7	150	1.8	<1	<1	<0.9	<2
MW400	10/3/96		<0.7		<0.7	160	6.8	<1	<1	<0.9	<2
MW400	4/24/97		<0.21		<0.68	120	2.6 J	<1.5	<1	<0.86	<1.8
MW400	4/1/99		<0.25	0.8	<0.32	130	<0.73	<0.38	<34	<0.36	<1.04
MW500	11/3/95		79		210	ND	18	3.8	130	22	140
MW500	3/27/96	<3	98	ND	310	ND	16	19	240	10	172
MW500	6/27/96		110		590	<5	130	21	790	170	610
MW500	10/3/96		170		530	<0.5	16	9.5	260	81	290
MW500	4/24/97		111		315	<2.1	20 J	<15	216	18	143
MW500	4/1/99		65	<0.14	29	<0.21	1.3 J	0.57 J	2.5	<0.36	7.57
Dup. 1	4/1/99		67	<0.14	35	<0.21	<0.73	0.57 J	3.0	<0.36	9.47
MW1200	11/3/95		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW1200	3/27/96	<3	ND	ND	ND	0.35	ND	ND	ND	ND	ND
MW1200	6/27/96		<0.7		<0.7	<0.5	<0.41	<1	<1	<0.9	<2
MW1200	10/3/96		<0.7		<0.7	1.2	<0.41	<1	<1	<0.9	<2
MW1200	4/24/97		<0.21		<0.68	<0.21		<1.5	<1	<0.86	<1.8
MW1200	4/1/99		<0.25	<0.14	<0.32	<0.21	<0.73	<0.38	<0.34	<0.36	<1.04

Halton Gw Continued

Well ID	Date	Lead Ug/l	Benzene ug/l	1,2-DCA ug/l	Ethylbenzene ug/l	MTBE ug/l	Naphthalene ug/l	Toluene ug/l	1,2,4-TMB ug/l	1,3,5-TMB ug/l	Total Xylenes ug/l
			ND	9.9	ND	ND	ND	ND	ND	ND	ND
PZ1300	11/3/95		ND	5.7	ND	0.93	ND	ND	ND	ND	ND
PZ1300	3/27/96	<3	ND	4.4	<0.32	1.3	<0.41	<0.69	<0.57	<0.57	<0.33
PZ1300	6/27/96		<0.26	8.7	<0.32	1.8	<0.41	<0.69	<0.57	<0.57	<1.23
PZ1300	10/3/96		<0.26	5.1	<0.32	1.2	<1	<1.5	<1	<0.86	
PZ1300	4/24/97		<0.21	8.2	<0.32	3	<0.73	<0.38	<0.34	<0.36	<1.04
PZ1300	4/1/99		<0.25								<2.5
			<0.6		<0.57			<1			<2.5
Sump 1	7/21/95		2.37	<0.86	<0.32	170	<0.41	1.52	2.38	3.6	18.4
Sump 1	8/1/95		ND		ND	18	ND	ND	ND	ND	ND
Sump 1	11/3/95		ND	ND	ND	29	ND	ND	ND	ND	ND
Sump 1	3/27/96		1.3	ND	<0.7	38	<0.41	<1	<1	<0.9	<2
Sump 1	6/27/96		28		<0.7	24	1.7	<1	<1	<0.9	<2
Sump 1	10/3/96		18		<0.68	48	<1	<1.5	<1	<0.86	<1.8
Sump 1	4/24/97		8.7	<0.14	<0.32	5.2	<0.73	<0.38	<0.34	<0.36	<1.04
Sump 1	4/1/99		<0.25					<1			<2.5
					<0.57						<2.5
Sump 2	7/21/95		1.9	<0.86	<0.32	200	<0.41	<0.89	<0.65	<0.57	<1.23
Sump 2	8/1/95		2.27		ND	100	ND	ND	ND	ND	ND
Sump 2	11/3/95		10	ND	ND	140	ND	ND	ND	ND	ND
Sump 2	3/27/96		6.9	ND	<0.7	110	<0.41	<1	<1	<0.9	<2
Sump 2	6/27/96		9.8		<0.7	150	<0.41	<1	<1	<0.9	<2
Sump 2	10/3/96		21		<0.68	120		<1.5	<1	<0.86	<1.8
Sump 2	4/24/97		1.2	<0.14	<0.32	230	<0.73	<0.38	<0.34	<0.36	<1.04
Sump 2	4/1/99		<0.25								
NR 140 PAL/ES		1.5/15	0.5/5	0.5/5	140/700	12/60	8/40	68.6/ 343	96/ 480 ^A	96/ 480 ^A	124/620

1,2-DCA = 1,2-Dichloroethane

^AThe NR 140 PAL/ES for the trimethylbenzene (TMBs) are for 1,2,4-TMB and 1,3,5-TMB combined. According to RE NEWS (September 1998, Vol 8, Number 3) the NR 140 PAL/ES for TMBs go into effect "...later this year <1998>."

- Solid Waste
- Emergency Response
- Wastewater
- Haz. Waste
- Underground Tanks
- Water Resources
- Other

Well/Project Name
HALRON Oil Company

License/Permit/Monitoring Number _____ Boring Number B300

Well Drilled By (Firm name and name of crew chief)
JAVCO - MARTY

Date Drilling Started 08/12/93 Date Drilling Completed 08/12/93 Drilling Method Solid Stem Auger
MM DD YY MM DD YY

Common Well Name _____

Final Static Water Level _____ Feet MSL
Surface Elevation _____ Feet MSL
Borehole Diameter _____ inches

Location
Plane _____ N. _____ E SCN Lat 44 29 54

Local Grid Location (if applicable)
 N E
 S W

1/4 of _____ 1/4 of Section 11 T 23 N. R 20 E/W Long 88 07 01

County Brown

DNR County Code 0-5 Civil Town/City/Village Green Bay

Sample	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				RCM/Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit		P 200
			0	Asphalt & Concrete										
9	8.8	8.9	1	0.5 - 2.5 sand, med grained, poorly graded homogeneous, moist, no petroleum odor, blackish brown 104R 512, fid	GW			6						
10	1.3	5.7	2	2.5 - 4.5 silty clay, brownish blue, moist 104R 311 poorly graded, homogeneous no petroleum odor, Keweenaw formation	CH			5						
18	3.7	12.18	3	4.5 - 9.5 silty clay, reddish brown, 2.54R 513 homogeneous, poorly graded, moist to wet. no petroleum odor, Keweenaw formation	CH			12						
10	4.6	9.10	4					8						
			5											
			6											
			7											
			8											
			9											
			10	END of Boring										

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Marty Firm: _____

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeiture not less than \$100 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- Notes for:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name: HAIRON Oil Company License/Permit/Monitoring Number: _____ Boring Number: B1200

Boring Drilled By (Firm name and name of crew chief): JAVCO - MARTY Date Drilling Started: 11/10/93 Date Drilling Completed: 11/10/93 Drilling Method: Hollow Stem Auger

Common Well Name: _____ Final Static Water Level: _____ Feet MSL Surface Elevation: _____ Feet MSL Borehole Diameter: _____ inches

Boring Location: State Plane _____ N. _____ E. SEC. _____ Lat 44 29 54 Local Grid Location (if applicable): _____ Feet _____ E. _____ S. _____ Feet _____ W. 1/4 of _____ 1/4 of Section 11 T 23 N. R 20 (E)W Long 88 02 01

County: Brown DNR County Code: 05 Civil Town/City or Village: Green Bay

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RCM/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
9	13,12	8,10	0-4.5	sand, gravel fill, some 7.5YR 4/3 reddish brown clay mixed in, moist no petroleum odor. (fill)	GW				5	4.5				
4	4,5	50	4.5-5.0						5	5.0				
1A	10,18	22,27	5.0-14.5	silty clay reddish clay 5YR 4/4 high toughness, moist + homogeneous, no odor Traces of silty fine sand in lower five feet. (Keweenaw formation)	CH				5	5.0				
18	4,7	11,13	14.5-19.0						5	2.0				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [Signature] Firm: Nothern Environmental

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$50 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Table 6 Summary of Water Table and Monitoring Well Elevation Data, Halron Oil Company, Green Bay, Wisconsin

Well I.D.	Ground Surface Elevation (feet)*	Reference Point Elevation (feet)**	Date	Depth to Water Below Reference Point (feet)**	Water Table Elevation (feet)*
MW100 3.9-2.0	97.2	96.91	08/23/93 09/01/93 09/30/93 11/19/93 12/06/93	6.98 6.32 6.00 3.91 3.86	89.93 90.59 90.91 93.00 93.05
MW200 4.0-6.9	97.59	97.18	08/23/93 09/01/93 09/30/93 11/19/93 12/06/93	5.87 5.67 5.31 4.00 4.04	91.31 91.51 91.87 93.18 93.14
MW300 1.9-2.6	97.86	97.18	08/23/93 09/01/93 09/30/93 11/19/93 12/06/93	2.58 2.54 2.49 1.85 1.89	94.60 94.64 94.69 95.33 95.29
MW400 3.0-6.5	98.07	97.41	08/23/93 09/01/93 09/30/93 11/19/93 12/06/93	4.98 6.51 6.17 5.24 5.37	92.42 90.90 91.24 92.17 92.04
MW500 9.2-9.3		96.97	11/19/93 12/06/93	9.18 9.31	87.79 87.66

NOTE:

- * = Elevations referenced to site datum assigned an elevation of 100.00 feet
- ** = Reference point is the north side of PVC riser pipe

HRO131205.RPT1TBL4
 January 12, 1994

Table 2 Water Level Data, Halron Oil Company, Green Bay, Wisconsin

Well I.D.	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (feet)		Water Table Elevation (feet)
				Below Riser	Below Grade	
PZ1300 <i>11.5-15.6</i>	600.93	600.49	02/20/95	14.71	15.15	585.78
			03/07/95	14.83	15.27	585.66
			04/06/95	14.10	14.54	586.39
			05/24/95	15.20	15.64	585.29
			06/23/95	14.97	15.41	585.52
			06/29/95	15.05	15.49	585.44
			08/01/95	15.16	15.60	585.33
			11/03/95	11.46	11.90	589.03
			03/27/96	11.02	11.46	589.47
			06/27/96	14.60	15.04	585.89
			10/03/96	14.17	14.61	586.32
			04/24/97	14.40	14.84	586.09
			S1 <i>7.4-14.8</i>	600.95	600.51	08/01/95
11/03/95	12.10	12.54				588.41
03/27/96	10.89	11.33				589.62
05/24/96	13.90	14.34				586.61
06/14/96	13.87	14.31				586.64
06/27/96	8.49	8.93				592.02
10/03/96	8.01	8.45				592.50
04/24/97	6.91	7.35				593.60
S2 <i>8.0-16.5</i>	601.54	600.74	08/01/95	14.10	14.90	586.64
			11/03/95	12.37	13.17	588.37
			03/27/96	11.15	11.95	589.59
			05/24/96	15.70	16.50	585.04
			06/14/96	15.15	15.95	585.59
			06/27/96	8.72	9.52	592.02
			10/03/96	8.25	9.05	592.49
			04/24/97	7.15	7.95	593.59
MW300 <i>4.4-6.4</i>	601.05	600.84	06/23/95	4.99	5.20	595.85
			06/29/95	5.36	5.57	595.48
			08/01/95	6.21	6.42	594.63
			11/03/95	4.36	4.57	596.48
			03/27/96	4.21	4.42	596.63
			06/27/96	4.75	4.96	596.09
			10/03/96	5.91	6.12	594.93
			04/24/97	4.97	5.18	595.87

2 - Cont.

Table A Water Level Data, Halron Oil Company, Green Bay, Wisconsin

Well I.D.	Ground Surface Elevation (feet)	Reference Point Elevation (feet)	Date	Depth to Water (feet)		Water Table Elevation (feet)
				Below Riser	Below Grade	
MW400 8.3-14.3	601.39	600.89	06/23/95	13.40	13.90	587.49
			06/29/95	13.68	14.18	587.21
			08/01/95	13.81	14.31	587.08
			11/03/95	9.80	10.30	591.09
			03/27/96	11.51	12.01	589.38
			06/27/96	9.21	9.71	591.68
			10/03/96	9.17	9.67	591.72
			04/24/97	7.81	8.31	593.08
MW500 8.0-14.2	600.21	599.29	06/23/95	10.41	11.03	589.18
			06/29/95	13.57	14.19	586.02
			08/01/95	10.95	11.57	588.64
			11/03/95	8.57	9.19	591.02
			03/27/96	10.05	10.67	589.54
			06/27/96	7.36	7.98	592.23
			10/03/96	9.31	9.93	590.28
			04/24/97	7.73	8.65	591.56
MW1200 11.3-15.2	600.62	600.11	04/06/95	12.95	13.46	587.16
			06/23/95	14.56	15.07	585.55
			06/29/95	14.66	15.17	585.45
			08/01/95	14.66	15.17	585.45
			11/03/95	10.80	11.31	589.31
			03/27/96	13.41	13.92	586.70
			06/27/96	13.14	13.66	586.96
			10/03/96	14.02	14.53	586.09
04/24/97	13.47	13.98	586.64			