

# GIS REGISTRY

## Cover Sheet

March, 2010  
(RR 5367)

### Source Property Information

BRRTS #: 03-05-106943

ACTIVITY NAME: Skippers Choice Marine Supply

PROPERTY ADDRESS: 2050 Shawano Ave

MUNICIPALITY: Howard

PARCEL ID #: VH-621

CLOSURE DATE: Feb 21, 2000

FID #: 999013510

DATCP #:

COMM #: 54303483250A

#### \*WTM COORDINATES:

X: 672543 Y: 453387

*\* 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" form)*

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

Contamination in ROW

Off-Source Contamination

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

#### Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between non-industrial 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 unit or economic  
development corporation was directed to  
take a response action)*

#### Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (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 #:	03-05-106943	PARCEL ID #:	VH-621		
ACTIVITY NAME:	Skippers Choice Marine Supply	WTM COORDINATES: X:	672543	Y:	453387

**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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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 11 x 17 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: USGS Map Segment**
  - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 2**                      **Title: Site Plan**
  - 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 #:**                      **Title:**

BRRTS #: 03-05-106943

ACTIVITY NAME: Skippers Choice Marine Supply

**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 #: 8**                      **Title: Areal Extent of Groundwater Contamination**

**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 #: 8**                      **Title: Groundwater Contour Map October 19, 1998**

**Figure #:**                      **Title:**

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

Tables must be no larger than 11 x 17 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 #:**                      **Title:**

**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 #: 4**                      **Title: Analytical Results For Groundwater Samples**

**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 #: 03-05-106943

ACTIVITY NAME: Skippers Choice Marine Supply

## NOTIFICATIONS

### Source Property

**Not Applicable**

**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.

**Not Applicable**

**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:

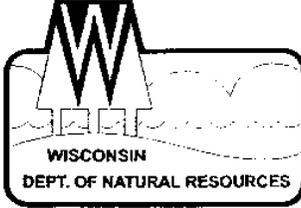
**Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

**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

February 21, 2000

Halron Brothers  
ATTN.: Mr. Bart Lubinski  
PO Box 2188  
Green Bay WI 54306

SUBJECT: Final Closure, Skippers Choice Marine Supply, 2050 Shawano Avenue, Green Bay  
Wisconsin  
BRRTS CASE #03-05-106943

Dear Mr. Lubinski:

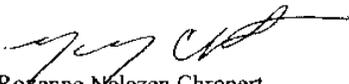
On September 2, 1999, you were notified that the above named site was reviewed by the Northeast Region Closeout Committee and qualified for closeout under ch. NR 726, Wis. Adm. Code. However, the site could not be officially closed until the Department received documentation that a deed restriction was filed documenting the remaining contamination.

On February 21, 2000, the Department received documentation that the monitoring wells and sump were abandoned. On February 21, 2000, the Department received documentation that the groundwater use restriction was filed with Brown County. Therefore, the Department considers this case closed, having determined that no further action is necessary at the site at this time. 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.

If you have additional relevant information, which was not formerly provided to the Department, you should resubmit this information to the Department for reevaluation.

If you have any questions regarding the content of this letter, please contact me at (920) 492-5592.

Sincerely,

  
Roxanne Melezen Chronert  
Spills Coordinator - Hydrogeologist  
Remediation & Redevelopment Program

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

MW ABANDONMENT

1737374

Document Number

GROUNDWATER USE RESTRICTION

BROWN COUNTY  
REGISTER OF DEEDS  
CATHY WILLIQUETTE

2000 JAN 21 P 12:110

Declaration of Restrictions

In Re: Part of Lot 109 of the Fort Howard Military Reserve in the Village of Howard, Brown County, Wisconsin more fully described as follows:

Beginning at a point being S63°22'30"E, 13.00 feet from the northwest corner of Lot 109 and the southwest corner of Lot 108 of the Fort Howard Military Reserve, said point being on a meander line of Beaver Dam Creek; thence S63°22'30"E, 326.65 feet along the north line of said Lot 109 and the northerly line of Volume 1063 of Deeds, Page 168, Brown County Records to a point on the westerly right of way of U.S.H. "41"; thence S21°13'07"W, 314.40 feet along said right of way; thence S74°16'52"W, 227.09 feet along said right of way to a point on the northerly right of way of Shawano Avenue; thence N68°22'00"W, 269.99 feet along said right of way to a point on a meander line being S68°22'00"E, 16.35 feet from the center of Beaver Dam Creek; thence N35°58'07"E, 496.04 feet along said meander line to the point of beginning. Including all lands between said meander line and the center of Beaver Dam Creek. Excepting any lands previously conveyed for road purposes. Parcel contains 186,874 square feet/4.30 acres more or less. This being same property described in Parcel 3, Document No. 1597058 and in Parcels "A" and "B", Volume 1063, Page 168, Brown County Records.

Recording Area

Name and Return Address

Jeffrey F. Jackels, Esq.  
P.O. Box 22250  
Green Bay, WI 54305 2250

14(3)

Parcel Identification Number (PIN)

Tax Identification No. VH-621

2050 Shawano Avenue

STATE OF WISCONSIN )  
COUNTY OF BROWN ) 59

WHEREAS, Halron Brothers LLP, a Wisconsin limited liability partnership is the owner of the above described property.

WHEREAS, one or more petroleum discharges have occurred on this property. . Petroleum-contaminated groundwater above NR 140 enforcement standards existed on this property at the following location(s) on the following date(s): at Monitoring Well (MW)-2 on February 1, 1999, Benzene was detected at 16 parts per billion (ppb) and 1,2-Dichloroethane (1,2-DCA) was detected at 6.4 ppb; at MW-3 on February 1, 1999, Benzene was detected at 5.4 ppb and 1,2-DCA was detected at 79 ppb; at MW-5 on February 1, 1999, Benzene was detected at 5.7 ppb and 1,2-DCA was detected at 78 ppb. Please refer to the attached map, Figure 9, hereby made a part of this document, for specific locations of the monitoring wells.

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

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

I, Cathy Williquette, Brown County Register of Deeds, do hereby certify that this is a true and correct copy of the original record on file in the Brown County Register of Deeds Office, Green Bay, Wisconsin.

I herewith set my hand and official seal this 10<sup>th</sup> day of February, A.D. 2000.

*Cathy Williquette*

REGISTER OF DEEDS

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.

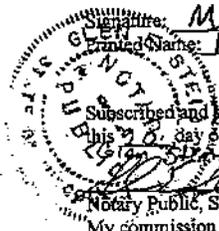
Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin 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, MIKE HALRON asserts that he/she is duly authorized to sign this document on behalf of Halron Brothers LLP, a Wisconsin limited liability partnership.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 20 day of January, 19 2000

Signature: Michael L. Halron  
 Printed Name: MICHAEL L. HALRON

Subscribed and sworn to before me  
 this 20 day of January, 19 2000  
[Signature]  
 Notary Public, State of Wisconsin  
 My commission 4-2-2000  
4-2-2000



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

1597058

Document Number

QUIT CLAIM DEED

BROWN COUNTY REGISTER OF DEEDS CATHY WILLIQUETTE

1998 FEB 26 P 3-35

Donald L. Halron and Gerald L. Halron, co-partners d/b/a Halron Brothers s/k/a Halron Bros., a Wisconsin general partnership consisting of Donald L. Halron and Gerald L. Halron quit-claims to Halron Brothers LLP, a Wisconsin limited liability partnership

the following described real estate in Brown County,

State of Wisconsin:

Recording Area

Name and Return Address

Jeffrey F. Jaekels, Esq. P. O. Box 22250 Green Bay, WI 54305-2250

140 3

See Attached

(Parcel Identification Number)

See Attached

I, Cathy Williquette, Brown County Register of Deeds, do hereby certify that this is a true and correct copy of the original record on file in the Brown County Register of Deeds Office, Green Bay, Wisconsin.

I herewith set my hand and official seal this 7 day of September, 1999

Cathy Williquette REGISTER OF DEEDS

FEE # 77.25(153) EXEMPT

This is not homestead property.

Dated this 31st day of December, 1997.

Signatures of Donald L. Halron and Gerald L. Halron, Partners, with seals and names.

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) STATE OF WISCONSIN Brown County. Personally came before me this 31st day of December, 1997 the above named Donald L. Halron and Gerald L. Halron authenticated this day of

TITLE: MEMBER STATE BAR OF WISCONSIN

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

THIS INSTRUMENT WAS DRAFTED BY Atty. J. F. Jaekels Green Bay, WI

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

Notary Public Jeffrey F. Jaekels Brown County, Wis. My Commission is permanent. (If not, state expiration date:)

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

**LEGAL DESCRIPTIONS**

**Parcel 1**

Part of Private Claim 11, West Side of Fox River, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing where the North line of Private Claim 11 intersects the East line of South Broadway, thence S 26°-00' W 415.00 feet along the East line of South Broadway to the point of beginning, thence S 64°-39'-52" E 322.42 feet to the West line of State Street, thence S 22°-51'-30" W 200.00 feet along the West line of State Street, thence N 64°-15'-30" W 226.86 feet along the South line of Private Claim 11, thence Northwesterly 116.43 feet along the North line of the Right-of-Way of the C & NW Railway Company on a curve to the right having a radius of 2000 feet more or less and a chord of N 40°-11' W 116.42 feet, thence N 26°-00' E 150.00 feet along the East line of South Broadway to the point of beginning.

Tax Identification No.: 1-1385-A

1618 State Street

**Parcel 2**

Part of Private Claim 11, West Side of Fox River, City of Green Bay, Brown County, Wisconsin, described as follows:

Commencing where the North line of Private Claim 11 intersects the East line of South Broadway, thence S 26°-00' W 174.50 feet along the East line of South Broadway to the point of beginning, thence S 64°-12' E 309.35 feet to the West line of State Street, thence S 22°-51'-30" W 238.20 feet along the West line of State Street, thence N 64°-39'-52" W 322.42 feet to the East line of South Broadway, thence N 26°-00' E 240.50 feet to the point of beginning.

Tax Identification No.: 1-1385

1518-1610 State Street

**Parcel 3**

Part of Lot 109 of the Fort Howard Military Reserve in the Village of Howard, Brown County, Wisconsin more fully described as follows:

Beginning at a point being S63°22'30"E, 13.00 feet from the northwest corner of Lot 109 and the southwest corner of Lot 108 of the Fort Howard Military Reserve, said point being on a meander line of Beaver Dam Creek; thence S63°22'30"E, 326.65 feet along the north line of said Lot 109 and the northerly line of Volume 1063 of Deeds, Page 168, Brown County Records to a point on the westerly right of way of U.S.H. "41"; thence S21°13'07"W, 314.40 feet along said right of way; thence S74°16'52"W, 227.09 feet along said right of way to a point on the northerly right of way of Shawano Avenue; thence N68°22'00"W, 269.99 feet along said right of way to a point on a meander line being S68°22'00"E, 16.35 feet from the center of Beaver Dam Creek; thence

1597058

N35°58'07"E, 496.04 feet along said meander line to the point of beginning. Including all lands between said meander line and the center of Beaver Dam Creek. Excepting any lands previously conveyed for road purposes. Parcel contains 186,874 square feet/4.30 acres more or less. This being same property described in Parcels "A" and "B", Volume 1063, Page 168, Brown County Records.

Tax Identification No.: VH-621

2050 Shawano Avenue

Parcel 4

That part of Private Claim Eleven (11), West Side of Fox River, described as follows:

Commencing at the Southwest Corner of an acre tract marked by an iron monument, thence N 64 degrees W var. 2 deg. 25 min. E 126.29 ft. to a point marked by an iron monument; thence N 25 deg. 51 Min. E var. 2 deg., 4 min. E 278.0 ft. to a point in the Southwest line of the right of way of the C & NW Ry. Co. (Manitowoc Line), marked by a like legal iron monument; thence following said line curving to the left over a line 5.17 deg. 6 min. 51 sec. W 186.2 ft. to Northwest corner of the one acre tract which is marked by an iron monument; thence along West line to point of beginning, containing one acre, being the tract conveyed by a certain deed recorded in Vol. 147 Deeds, page 350 Brown County Records.

Tax Identification No.: 1-1399

510 Liberty Street

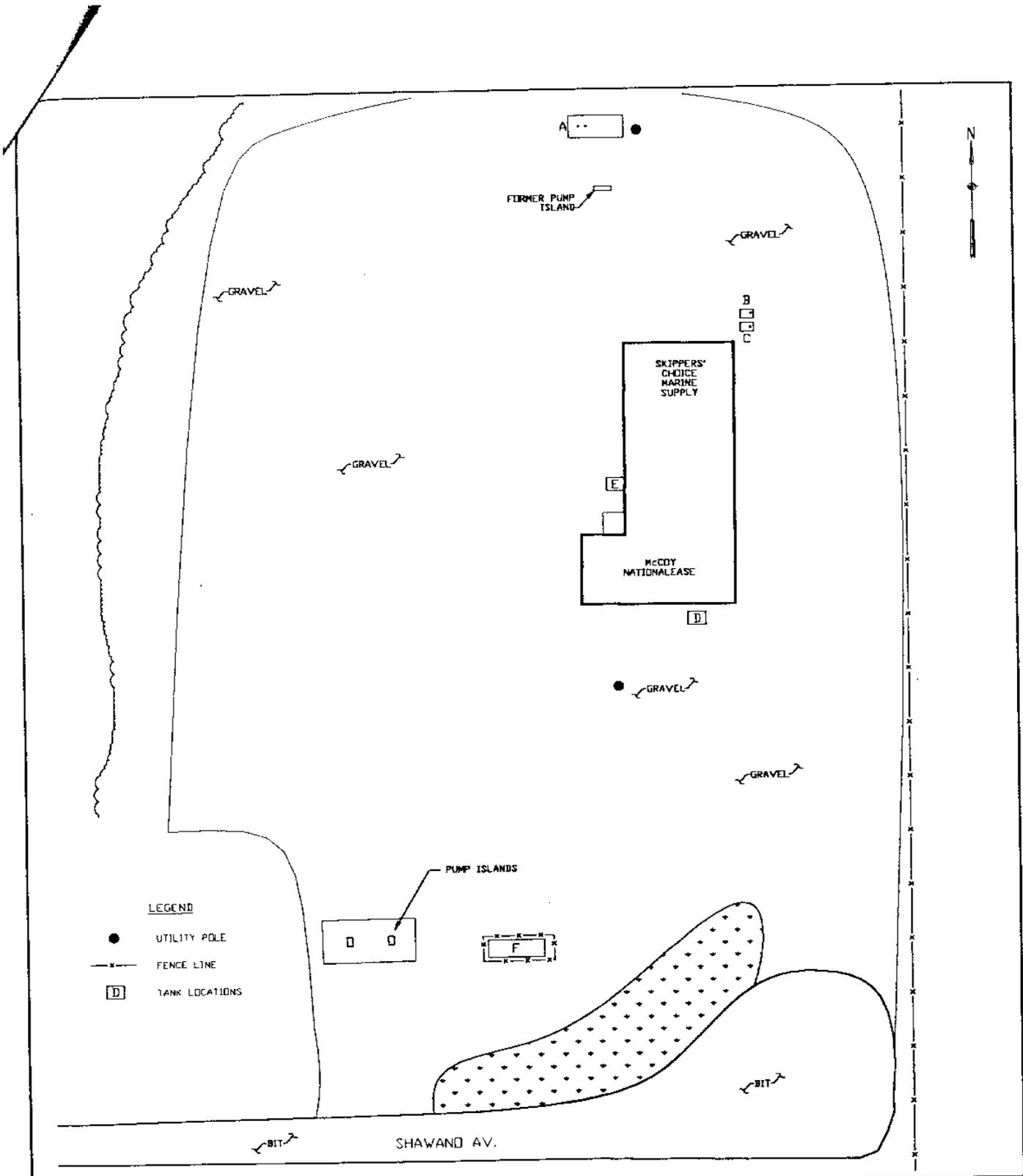


FROM:  
 GREEN BAY WEST, WIS.  
 44088-E1-TF-024  
 1992  
 NOT TO SCALE

**SGS MAP SEGMENT**  
**INC. - GREEN BAY, WI.**

**HALRON BROTHERS**  
 2050 SHAWANO AV.  
 GREEN BAY, WI

FIGURE NUMBER:  
**1**



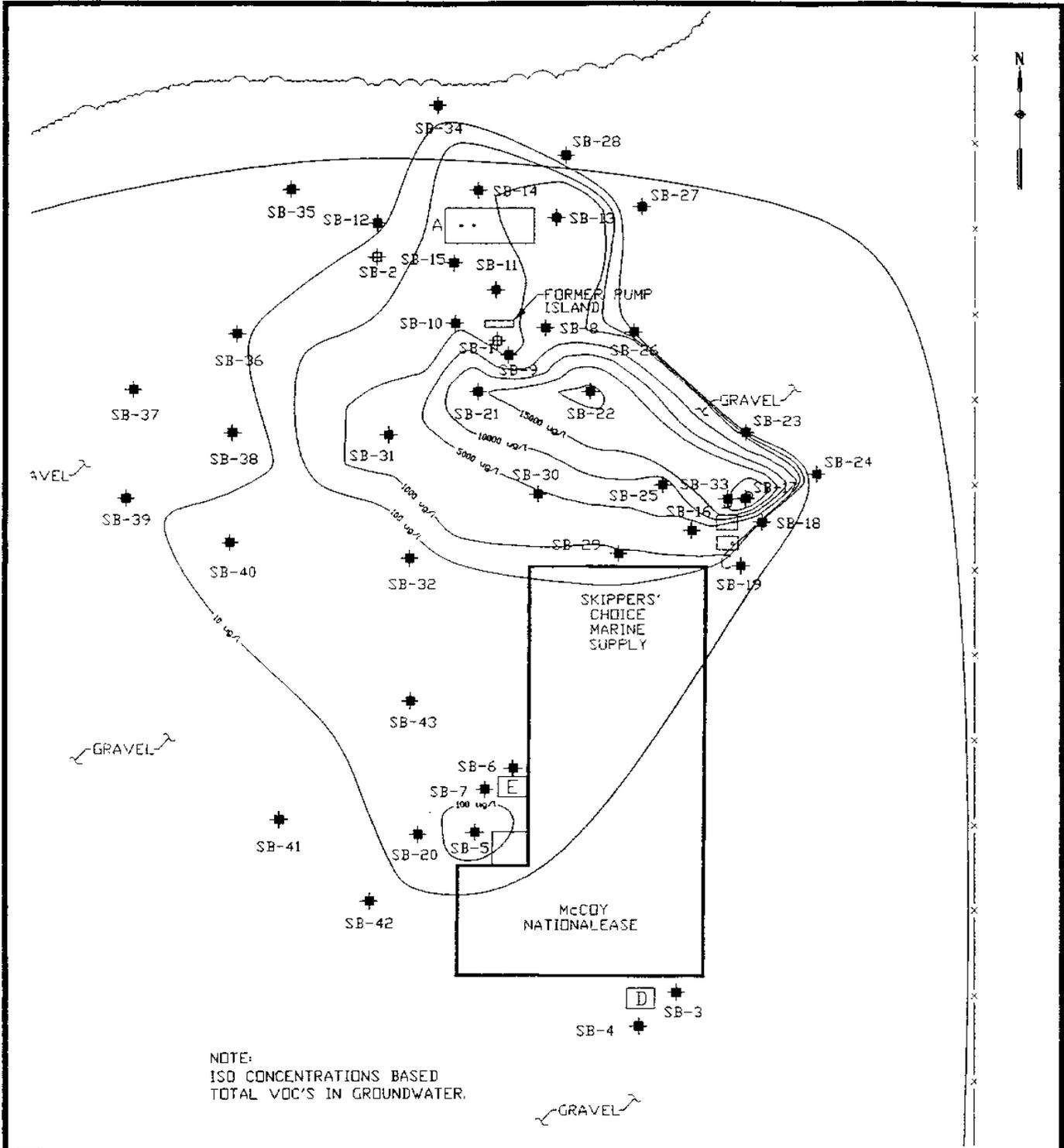
**SITE PLAN**

**HALRON BROTHERS**  
 2050 SHAWAND AVENUE  
 GREEN BAY, WI

**MMA, INC.**  
 CONSULTING ENGINEERS  
 2304 Del-Aire Court  
 Green Bay, WI 54304  
 Phone: 920/592-8806 Fax: 920/592-9613

SCALE: 1" = 60'  
 DATE: MAY, 1999  
 DRAWN BY: TEM/SMF  
 REVIEWED BY: JMM

FIGURE NUMBER:  
 2



**AREAL EXTENT OF  
GROUNDWATER CONTAMINATION**

**HALRON BROTHERS**  
2060 SHAWANO AVENUE  
GREEN BAY, WI

**MMA, INC.**  
CONSULTING ENGINEERS

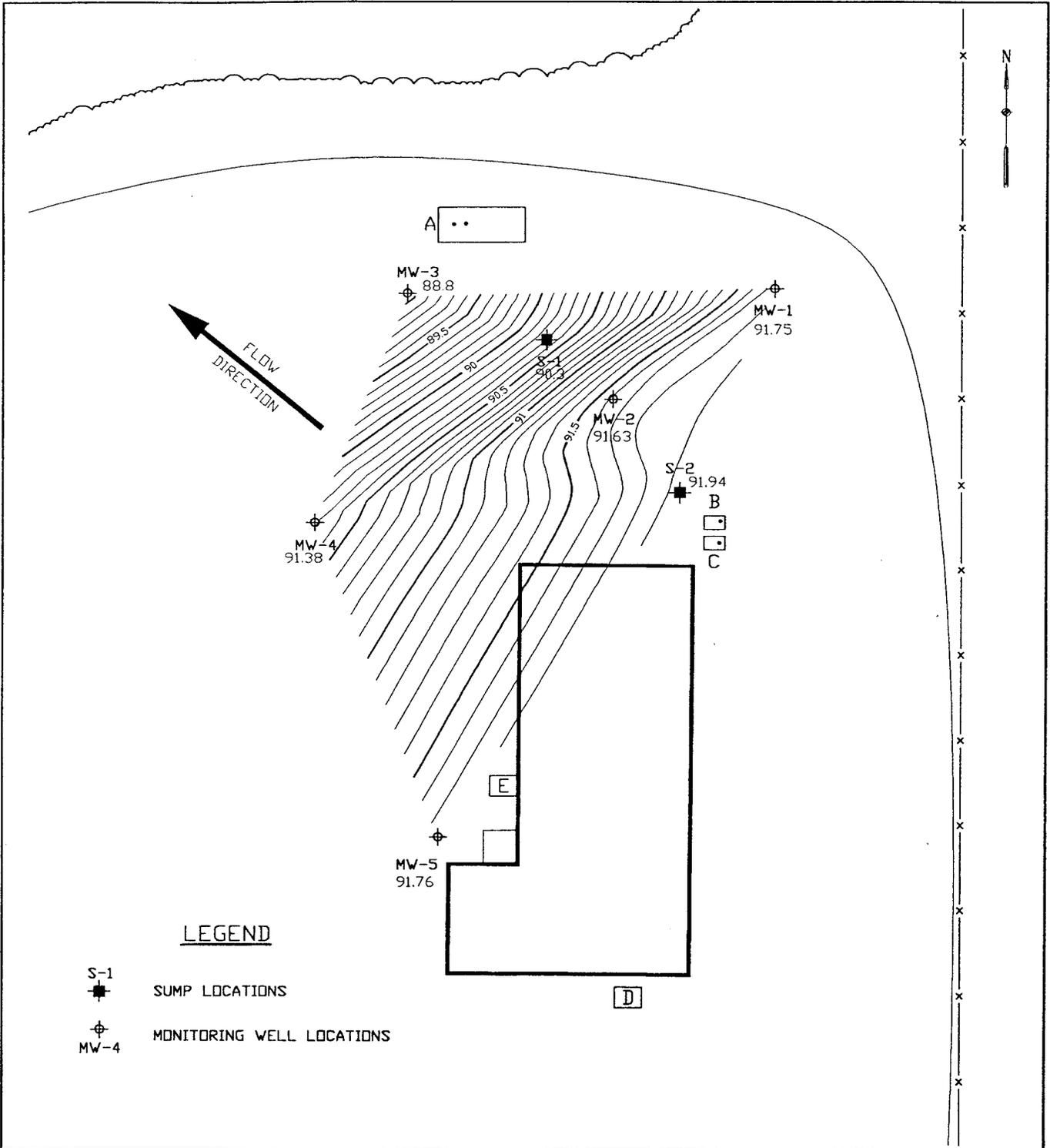
2304 Bel-Aire Court  
Green Bay, WI 54304  
Phone: 920/592-9806 Fax: 920/592-9813

SCALE: 1" = 40'  
DATE: DEC. 1997

DRAWN BY: TEM  
REVIEWED BY: JMM

FIGURE NUMBER:

8



**GROUNDWATER CONTOUR MAP  
OCTOBER 19, 1998**

**HALRON BROTHERS**  
2050 SHAWANO AVENUE  
GREEN BAY, WI

**MMA, INC.**  
CONSULTING ENGINEERS

2304 Bel-Aire Court  
Green Bay, WI 54304  
Phone: 920/592-9808 Fax: 920/592-9813

SCALE: 1" = 40'  
DATE: MAY, 1999

DRAWN BY: TEM/SMF  
REVIEWED BY: JMM

FIGURE NUMBER:

8

*H<sub>2</sub>O samples originally taken from geo probes then wells installed*  
*Sumps installed on 5-28-98 during excavation wells installed 6-26-98*

**TABLE NO. 4**  
**HALRON OIL COMPANY - SHAWANO AVENUE**  
**ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES**

Sample ID	Date	Lead ug/l	Total VOCs ug/l	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l	Naphthalene ug/l	1,2,4-TMB ug/l	1,3,5-TMB ug/l	1,4-DCB ug/l	1,2-DCA ug/l	MTBE ug/l	PCB ug/l	Cadmium ug/l
Environmental Site Assessment (ESA)															
SB-1	7/31/96	No groundwater samples were collected from the ESA borings.													
SB-2	7/31/96	No groundwater samples were collected from the ESA borings.													
Remedial Site Investigation (RSI)															
SB-3	6/11/97	No groundwater samples were collected from the borings in the area of the fuel oil tank.													
SB-4	6/11/97	No groundwater samples were collected from the borings in the area of the fuel oil tank.													
SB-5	6/11/97	2	128.32	40	1.8	<0.68	10.6	2.92	<1	<0.86	72	<0.14	1		2
SB-6	6/11/97	<1	41.95	<0.21	<1.5	<0.68	1.95	<1	<1	<0.86	40	<0.14	<0.21		2.7
SB-7	6/11/97	<1	33.6	1.6	<1.5	<0.68	<1.78	<1	<1	<0.86	32	<0.14	<0.21	<0.36	3
SB-8	6/11/97	<1	1756.2	7.4	<15	470	548	190	140	380	<2.3	<1.4	<2.1		
SB-9	6/11/97	NA	519.1	140	15	120	53.1	100	68	23	<0.23	<0.14	<0.21		
SB-10	6/11/97	NA	598.7	1.4	3.5	69	14.8	13	440	37	<0.23	<0.14	<0.21		
SB-11	6/11/97	<1	172.95	0.35	4.1	13	4.0	<1	150	1.5	<0.23	<0.14	<0.21		
SB-12	6/11/97	NA	6.553	0.88	<1.5	<0.68	2.09	<1	1.0	<0.86	<0.23	0.283 J	2.3		
SB-13	6/11/97	NA	2415.5	<10.5	<75	191	144	126	1500	340	<11.5	<7	<10.5		
SB-14	6/11/97	NA	779.3	<2.1	<15	360	94	233	270	9.1	<2.3	<1.4	<2.1		
SB-15	6/11/97	NA	44.46	0.66	11	13	5.1	5.6	6.9	2.2	<0.23	<0.14	<0.21		
SB-16	6/11/97	NA	3833.4	29.4	<75	360	1260	480	1200	400	<11.5	<7	<10.5		
SB-17	6/11/97	5	27393.8	2800	9800	2000	9700	710	1800	550	<11.5	11.8 J	<10.5		
SB-18	6/11/97	NA	29.38	0.48	6.7	1.8	4.2	8.4	7.8	<0.86	<0.23	<0.14	<0.21		
SB-19	6/11/97	NA	9.8	<0.21	<1.5	1.6	3.4	3.5	1.3	<0.86	<0.23	<0.14	<0.21		
Trip	6/11/97	NA	0	<0.21	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	<0.21		
SB-20	8/28/97	NA	15.82	3.2	<1.5	<0.68	3.6	<1	<1	<0.86	8.5	<0.14	0.52 J		
SB-21	8/28/97	NA	14835	250	<75	3400	5480	900	3700	1000	<12	<7	<11		
SB-22	8/28/97	NA	21338	310	160	3100	7010	1200	7400	2100	<23	<14	<21		
SB-23	8/28/97	NA	.14	<0.21	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	0.14 J	<0.21		
SB-24	8/28/97	NA	1.90	<0.21	1.9	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	<0.21		
SB-25	8/28/97	NA	29845	5800	3300	3300	13600	590	2500	720	<12	12 J	<11		
SB-26	8/28/97	NA	8.17	0.59	4.8	0.72	2.06	<1	<1	<0.86	<0.23	<0.14	<0.21		
SB-27	8/28/97	NA	1.3	<0.21	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	1.3		
SB-28	8/28/97	NA	3.5	<0.21	2.4	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	1.1		
Trip	8/28/97	NA	0	<0.21	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	<0.21		

Excavation on 5-28-98 - Samples from  
wells installed on 6-26-98

Sample ID	Date	Lead ug/l	Total VOCs ug/l	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l	Naphthalene ug/l	1,2,4-TMB ug/l	1,3,5-TMB ug/l	1,4-DCB ug/l	1,2-DCA ug/l	MTBE ug/l	PCB ug/l	Cadmium ug/l
SB-29	10/1/97	NA	685.6	23	5.4	210	163.2	130	120	34	<0.23	<0.14	<0.21		
SB-30	10/1/97	NA	4561.6	2200	130	600	1220	92	240	71	<2.3	4.2	<2.1		
SB-31	10/1/97	NA	1322.78	780	24	250	178	26	37	23	<2.3	.38 J	<2.1		
SB-32	10/1/97	NA	23	1.9	4	1.5	12.3	<1	3.3	<0.86	<0.23	<0.14	<0.21		
SB-33	10/1/97	Samples collected and used for Natural Attenuation Assessment.													
SB-34	11/13/97	NA	9.52	0.28	7.8	<0.68	<1.78	1.2	<1	<0.86	<0.23	<0.14	0.24 J		
SB-35	11/13/97	NA	17.85	0.25	<1.5	<0.68	2.3	<1	<1	<0.86	<0.23	1.3	14		
SB-36	11/13/97	NA	8.85	0.86	<1.5	<0.68	5.4	<1	2.1	<0.86	<0.23	0.21 J	0.28 J		
SB-37	11/13/97	NA	2.13	0.52	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	0.31 J	1.3		
SB-38	11/13/97	NA	4.96	0.33	<1.5	<0.68	2.12	<1	1.6	<0.86	0.23	0.15 J	0.33 J		
SB-39	11/13/97	NA	9.2	0.7	1.6	<0.68	2.2	<1	<1	<0.86	3.5	<0.14	1.2		
SB-40	11/13/97	NA	12.7	1.2	<1.5	<0.68	2.3	<1	<1	<0.86	8.1	<0.14	1.1		
SB-41	11/13/97	NA	4.06	0.32	<1.5	<0.68	2.5	<1	<1	<0.86	0.24	<0.14	1		
SB-42	11/13/97	NA	4.64	0.24	<1.5	<0.68	<1.78	<1	<1	<0.86	<0.23	<0.14	4.4		
SB-43	11/13/97	NA	15.73	0.3	<1.5	<0.68	<1.78	<1	<1	<0.86	15	<0.14	0.43 J		
<b>Groundwater Monitoring</b>															
MW-1	7/16/98		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.39	<0.31		
MW-1	10/19/98		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	<0.31		
MW-1	2/1/99		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.34	<0.28	<0.36	<0.31		
MW-2	7/16/98		251	13	1.1 J	48	89	12	57	26	<0.28	4.9	<0.31		
MW-2	10/19/98		457.46	38	0.56 J	230	23.6	14	140	4.5	<0.28	6.8	<0.31		
Dup. (2)	7/16/98		657	25	3.2	120	240	45	160	59	<0.28	4.8	<0.31		
MW-2	2/1/99		134.97		0.69 J	77	7.72 J	2.4 J	24	0.76 J	<0.28		<0.31		
MW-3	10/19/98		11.3	5.7	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	5.6		
MW-3	2/1/99		103.6		<3.5	<3.4	19.2 J	<8.8	<3.5	<6.4		<3.6	<3.1		
MW-4	7/16/98		0.53	<0.32	<0.35	<0.34	<0.98	<0.88	<0.65	<0.64	0.53 J	<0.36	<0.31		
MW-4	10/19/98		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	<0.31		
MW-4	2/1/99		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.34	<0.28	<0.36	<0.31		
MW-5	7/16/98		48.5	3.7	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	44	<0.36	0.8 J		
MW-5	10/19/98		62.46	5.9	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	56	<0.36	0.56 J		
Dup. (5)	10/19/98		59.14	5.5	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	53	<0.36	0.64 J		
MW-5	2/1/99		101.9		<3.5	<3.4	18.2 J	<8.8	<3.5	<6.4		<3.6	<3.1		

Sample ID	Date	Lead ug/l	Total VOCs ug/l	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylenes ug/l	Naphthalene ug/l	1,2,4-TMB ug/l	1,3,5-TMB ug/l	1,4-DCB ug/l	1,2-DCA ug/l	MTBE ug/l	PCB ug/l	Cadmium ug/l
Sump-1*	7/16/98		0.37	<0.32	<0.35	<0.35	<1.22J	<0.88	0.37J	<0.64	<0.28	<0.36	<0.31		
Sump-1	10/19/98		0.38	<0.32	<0.35	0.38 J	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	<0.31		
Sump-1	2/1/99		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.34	<0.28	<0.36	<0.31		
<i>Aband. 3-89</i>															
Sump-2*	7/16/98		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	<0.31		
Sump-2	10/19/98		18.26	6.8	<0.35	4.1	1.57	4	0.79 J	1 J	<0.28	<0.36	<0.31		
Sump-2	2/1/99		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.34	<0.28	<0.36	<0.31		
Dup. (6)	2/1/99		0	<0.32	<0.35	<0.34	<0.98	<0.88	<0.35	<0.64	<0.28	<0.36	<0.31		
<i>Consistent to MW on 3-79 Not sampled</i>															
NR140 PAL/ ES		1.5/ 15		0.5/5	68.6/343	140/700	124/620	8/40	96/ 480 <sup>A</sup>	96/ 480 <sup>A</sup>	15/75	0.5/5	12/60		

Shaded - Significant Results

NA - not analyzed for (not enough sample)

Blank - not analyzed for

\* Sample taken prior to purging of the sump, disregard results.

1,4-DCB - Dichlorobenzene

1,2-DCA - Dichloroethane

Total VOCs - total of VOCs listed above the "limit of detection"

J - Analyte detected between LOD and LOQ

<sup>A</sup>The 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, Volume 8, Number 3) the NR 140 PAL/ES for TMBs go into effect "...later this year <1998>."