

Source Property Information

CLOSURE DATE: 10/11/2001

BRRTS #: (No Dashes)

ACTIVITY NAME:

PROPERTY ADDRESS:

MUNICIPALITY:

PARCEL ID #:

FID #: DATCP #: PECFA#: ***WTM COORDINATES:**X: Y:

** 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)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

 Groundwater Contamination > ES (236) Contamination in ROW Off-Source Contamination

*(note: for list of off-source properties
 see "Impacted Off-Source Property Information,
 Form 4400-246")*

 Soil Contamination > *RCL or **SSRCL (232) Contamination in ROW Off-Source Contamination

*(note: for list of off-source properties
 see "Impacted Off-Source Property Information,
 Form 4400-246")*

Site Specific Obligations:

 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) Direct Contact Soil to GW Pathway Vapor Mitigation (226) Maintain Liability Exemption (230)

*(note: local government unit or economic
 development corporation was directed to
 take a response action)*

Comments:

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 #:	03-04-000780	(No Dashes)	PARCEL ID #:	024113304		
ACTIVITY NAME:	BUMPER TO BUMPER/IRON RIVER AUTO PT	WTM COORDINATES:	X:	411458	Y:	677944

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: Site Location Map**
 - 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 #: 16 **Title: Post Remedial Action Groundwater Analytical Results**
 - 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:**

NA

BRRTS #: 03-04-000780

ACTIVITY NAME: BUMPER TO BUMPER/IRON RIVER AUTO PT

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 #: 16 **Title: Post Remedial Action Groundwater Analytical Results**

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 #: 7 **Title: Groundwater Contour Map March 18, 1999**

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.

NA 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 #: 5 **Title: Laboratory Results - Groundwater Pre and Post Remediation**

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 #: 03-04-000780

ACTIVITY NAME: BUMPER TO BUMPER/IRON RIVER AUTO PT

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.

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:**

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:



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

October 11, 2001

Mr. Paul Smith
Bumper to Bumper Auto Parts
220 North Main St.
Iron River, WI 54847

Subject: **Case Closure** – Bumper to Bumper Auto Parts
220 North Main Street, Iron River

COMMERCE #54847-0524-20

DNR #03-⁰⁴~~46~~-000780

Dear Mr. Smith:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review staff in response to the closure request prepared by your consultant, MSA. A conditional closure status was approved on June 6, 2001. Conditions of closure were the filing of a Deed Notification, Notification of Right-Of-Way (ROW) contamination and the abandonment of all monitoring wells. On September 12, 2001, the Department received these conditions of closure. Using the standards established in NR 700, and the risk criteria of Comm 46, the Department has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

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

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

Sincerely,

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

cc: electronic storage
Ms. Lynette Carney, MSA RREM Division

Document Number

466644

NOTICE OF CONTAMINATION TO PROPERTY

Legal description of the property: In re:

A strip of land situated in the Northwest Quarter of the Southeast Quarter (NW 1/4 SE1/4), Section 7, Township 47 North, Range 8 West, Town of Iron River, Bayfield County, Wisconsin, and lying between Block 1 of the Original Plat of Iron River and the Northern Pacific Railway Company's main track and more particularly described as follows: commencing at a point on the East line of Main Street in Iron River in said County, 100 feet south of the center of the main track of the Northern Pacific Railway Company; thence running East parallel with said main track to the West line of George Street a distance of 280 feet; thence south on the West line of George Street 51 feet, more or less, to the North line of Front Street (said Front Street being 50 feet wide and running Easterly and Westerly along and forming the north boundary of said Block 1); thence running West parallel with North line of said Block One (1), 280 feet to the East side of Main Street feet to the East side Main Street; thence North along the East line of Main Street 51 feet, more or less, to the point of beginning.

STATE OF WISCONSIN)
) ss
COUNTY OF BAYFIELD)

Section 1. Mr. Paul R. Smith is the owner of the above-described property.

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

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

Anyone who proposed 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 prohibitions or requirements are applicable, prior to construction or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Also,

Residual petroleum contaminated groundwater remains on this site. According to the report filed by MSA, RREM Division dated April 5, 2001, the residual contaminated groundwater located in the western half of this property with groundwater moving in a westerly direction. Natural attenuation is the approved remedial alternative for this site. If contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws. File references: PECFA Claim number 54847/0524/20 and BRRTS 03-04-000780, MSA , RREM Division, report dated April 5, 2001.

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Otto Korpela 787
REGISTER OF DEEDS

'01 AUG 29 PM 1 32

REGISTER'S OFFICE/S.S.
BAYFIELD COUNTY, WIS.

Recording Area RECEIVED

SEP 12 2001

ERS DIVISION

Name and Return Address

Iron River
Bumper to Bumper
P.O. Box 524
Iron River, WI
54847
Paid 12.00

024113304

Parcel Identification Number (PIN)

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

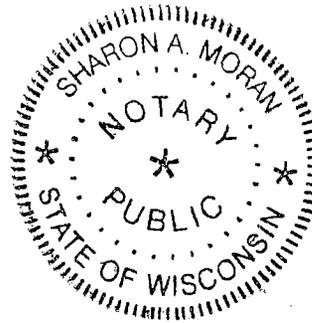
IN WITNESS WHEREOF, the owner of the property has executed this document, this 29th day of August, 2001.

By signing this document, he acknowledges that he is duly authorized to sign this document on behalf of

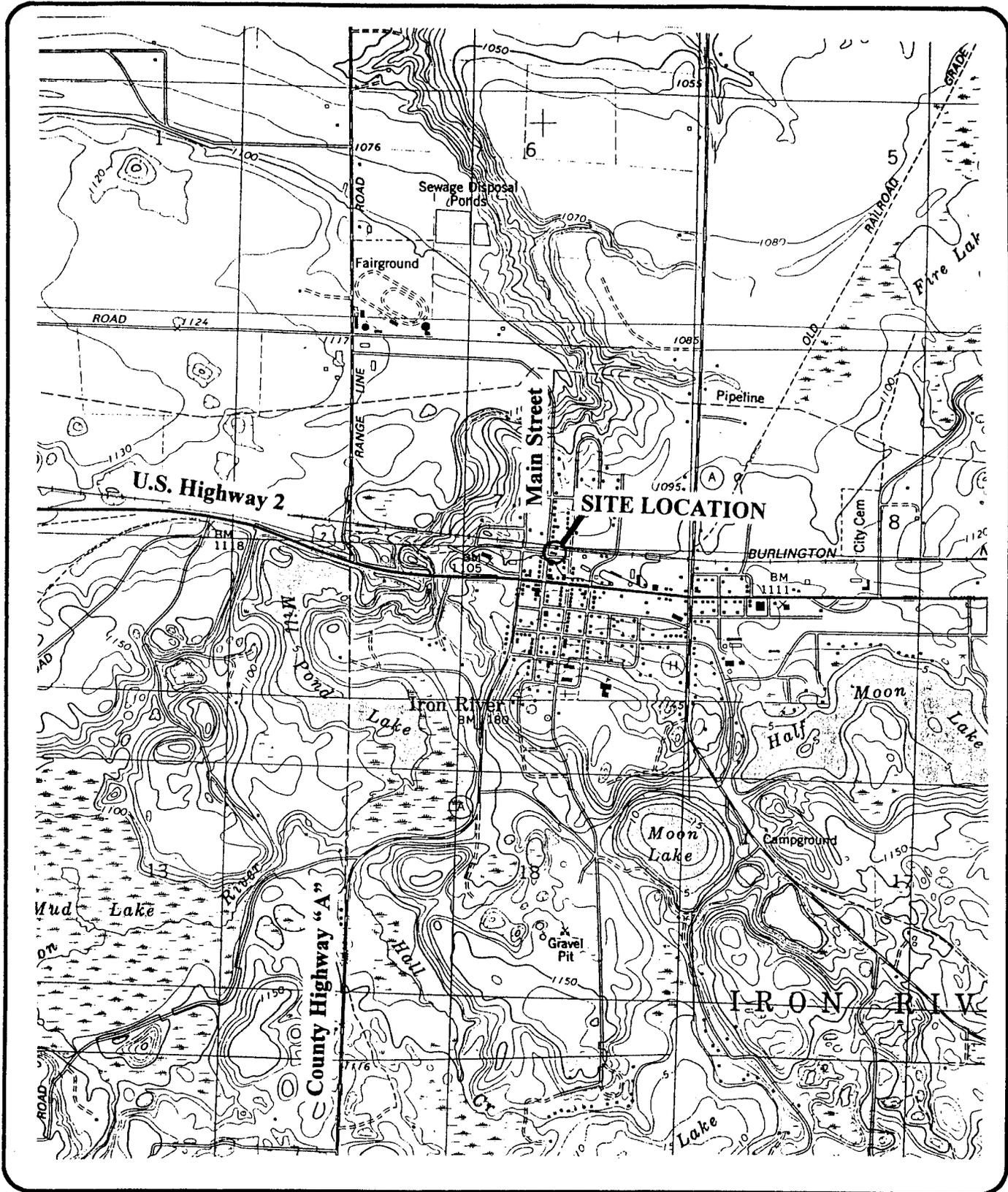
Signature: Paul R Smith
Printed Name: Paul R Smith
Title: Owner

Subscribed and sworn to before me
this 29 day of Aug, 2001.

Sharon A. Moran
Notary Public, State of Wisconsin
My commission Sept 9, 2001

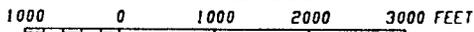


This document was drafted by the Wisconsin Department of Commerce.



QUADRANGLE
LOCATION
AREM
AN MSA DIVISION
PROFESSIONAL SERVICES

SCALE 1:24,000



SOURCE: Part of the Iron Lake Quadrangles
U.S.G.S. 7.5 Minute Series (Topographic)

AERIAL PHOTO: 1959, 1983
FIELD CHECKED: 1984
FIELD CHECKED: 1984



CREATED BY: LMC DATE: 03/18/98
FILE NAME: E:\BUSPROJ\1998\ECR\82003\SITELOC.DWG
PROJECT NUMBER: 82003

FIGURE 1

Site Location Map

Bumper to Bumper Auto Parts
Iron River, Wisconsin



LEGEND

10,000 - gallon split unleaded regular and unleaded premium Underground Storage Tank(s)

Canopy and Dispenser Island

Underground Utility Line(s) (Fiber Optics)

MW-1R MONITORING WELL LOCATION AND NUMBER

GRO AND BENZENE ARE REPORTED IN $\mu\text{g/L}$.

APPROXIMATE EXTENT OF GROUNDWATER CONTAMINATION

<50 NOT DETECTED ABOVE INDICATED LIMIT

3580 RESULTS REPORTED IN BOLD EXCEED THE ESTABLISHED ENVIRONMENTAL STANDARD

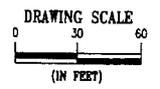


FIGURE 16

POST REMEDIATION ACTION GROUNDWATER ANALYTICAL RESULTS

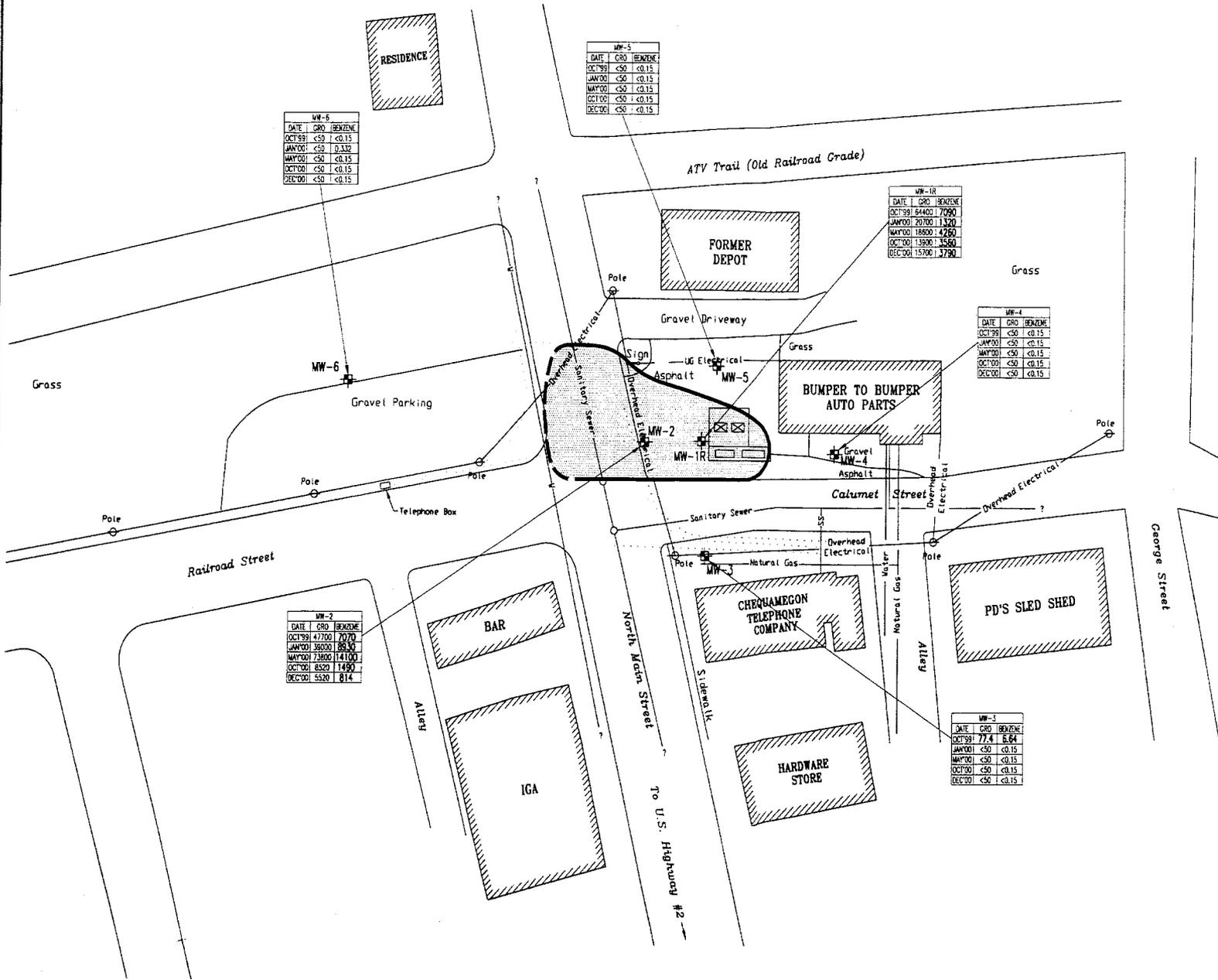
BUMPER TO BUMPER AUTO PARTS
BAYFIELD COUNTY
IRON RIVER, WISCONSIN



408 BOARD OF TRADE BUILDING
301 WEST FIRST STREET • DULUTH, MINNESOTA 55802
218-722-3915 • 1-800-777-7380 • Fax 218-722-4548

AN ISA DIVISION
PROFESSIONAL SERVICES TRANSPORTATION • MUNICIPAL • REMEDIATION
DEVELOPMENT • ENVIRONMENTAL

OWNER: BTR, JWB & others DATE: 2-23-01 SHEET: _____ OF _____
CHECKED BY: LMC SCALE: 1" = 60' FILE NO.: 4100003
JOB NO.: 00000000



MW-6		
DATE	GRO	BENZENE
OCT99	<50	<0.15
JAN00	<50	0.332
MAY00	<50	<0.15
OCT00	<50	<0.15
DEC00	<50	<0.15

MW-5		
DATE	GRO	BENZENE
OCT99	<50	<0.15
JAN00	<50	<0.15
MAY00	<50	<0.15
OCT00	<50	<0.15
DEC00	<50	<0.15

MW-1R		
DATE	GRO	BENZENE
OCT99	84400	7090
JAN00	20700	11300
MAY00	18800	4260
OCT00	19300	1550
DEC00	15300	13790

MW-4		
DATE	GRO	BENZENE
OCT99	<50	<0.15
JAN00	<50	<0.15
MAY00	<50	<0.15
OCT00	<50	<0.15
DEC00	<50	<0.15

MW-2		
DATE	GRO	BENZENE
OCT99	47700	7070
JAN00	38000	88100
MAY00	73600	114100
OCT00	8520	11490
DEC00	5520	814

MW-3		
DATE	GRO	BENZENE
OCT99	77.4	6.64
JAN00	<50	<0.15
MAY00	<50	<0.15
OCT00	<50	<0.15
DEC00	<50	<0.15



LEGEND

- Underground Storage Tank(s)
- Dispenser Island
- Undergound Utility Line(s) (Fiber Optics)

- MW-1
- (72.13) GROUNDWATER ELEVATION RELATIVE TO ESTABLISHED 100' BENCHMARK

- INFERRED GROUNDWATER CONTOUR (0.10' CONTOUR INTERVAL)

- APPROXIMATE GROUNDWATER FLOW DIRECTION



FIGURE 7

GROUNDWATER CONTOUR MAP
March 18, 1999
 BUMPER TO BUMPER AUTO PARTS
 BAYFIELD COUNTY
 IRON RIVER, WISCONSIN

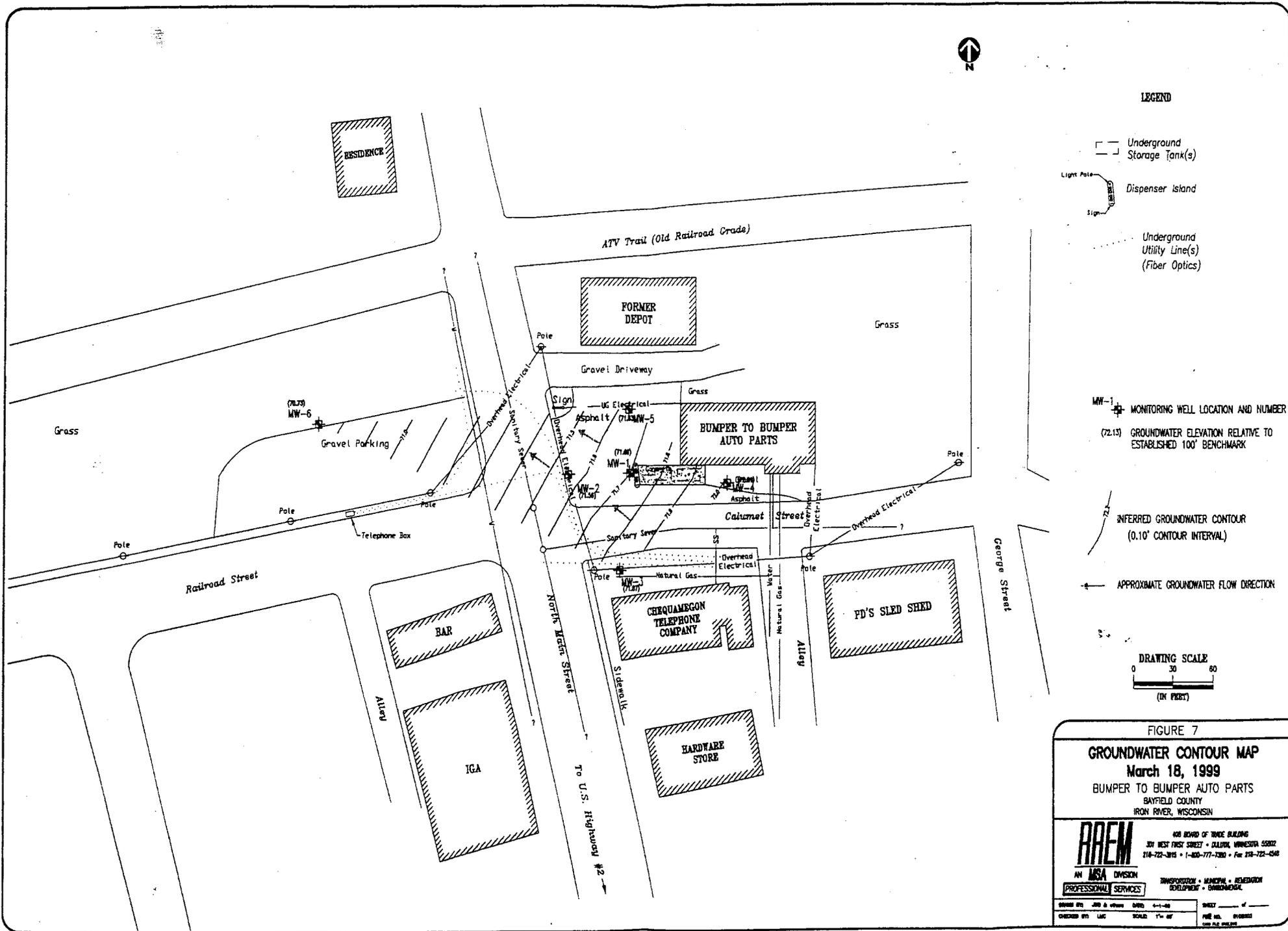


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 218-722-2815 • 1-800-777-7280 • Fax 218-722-0548

AN **ASA** DIVISION
PROFESSIONAL SERVICES

TRANSFORMATION • MAINTENANCE • REMEDIATION
 DEVELOPMENT • BIOMONITORING

DRAWN BY: JMD & others DATE: 3-1-99 SHEET: _____ of _____
 CHECKED BY: LAC SCALE: 1" = 40' PLOT NO.: 0100001
 DATE PLOT: 03/18/99



**TABLE 4
GROUNDWATER SCREENING RESULTS SUMMARY**

**Organics
Bumper to Bumper Auto Parts
Iron River, Wisconsin**

			Sample Location			Groundwater Quality	
			GW-1 (SB-2) Water	GW-2 (SB-3) Water	Trip Blank Water	Standard (ug/L)*	
Date Sampled			03/20	03/20	03/20	ES	PAL
Laboratory			En Chem	En Chem	En Chem		
Parameter	Units	Method					
GRO	(ug/L)	WI-MOD-GRO	84	86	<50	ns	ns
VOCs / PVOCs	(ug/L)	SW846 8020					
Benzene			12	9.6	<0.14	5	0.5
Ethyl Benzene			<0.59	2.3	<0.59	700	140
Methyl-tert-butyl ether			<0.65	<0.65	<0.65	60	12
Toluene			2.5	21	<0.58	343	68.6
Trimethylbenzenes			<1.21	1.7	<1.21	480	96
Xylenes			1.2	5.6	<1.85	620	124

Explanation:

Results in bold exceed the NR 140.10 Groundwater Quality Standard

* Groundwater Quality Standard is defined in the Wisconsin Administrative Code NR 140.10 (December 1998)

ns = No Standard Established

ug/L = micrograms per liter

TABLE 5
Laboratory Results - Groundwater
Pre- and Post Remediation
Bumper to Bumper Auto Parts

	Benzene	Ethylbenzene	Toluene	Xylenes	TMB	MBE	n-Propylbenzene	Naphthalene	Methylene Chloride	1,2-DCA	Tetrachloroethene	1,2-Dibromoethane	GRO	Lead
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140														
ES	5	700	343	620	480	60	nr	40	5	5	5	0.5	nr	15
PAL	0.5	140	68.6	124	96	12	nr	8	0.5	0.5	0.5	0.05	nr	1.5
MW-1														
24-Sep-1998	3300	610	7300	3500	730	<16	68	130	33	140	<22	48	23000	<1.8
8-Dec-1998	3700	480	6700	3500	630	<16	44	150	<18	170	<22	64	22000	<1.6
18-Mar-1999	12000	1800	25000	12200	2260	<64	150	490	<72	<74	<86	200	72000	<1.6
Abandoned	during	excavation	8/99											
MW-1R														
24-Sep-1998	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8-Dec-1998	na	na	na	na	na	na	na	na	na	na	na	na	na	na
18-Mar-1999	na	na	na	na	na	na	na	na	na	na	na	na	na	na
21-Oct-1999	7090	1820	18300	10260	1891	<150	<75	670	<195	120	<75	<60	64400	nr
6-Jan-2000	1320	1080	1410	5330	2233	<150	193	1230	<195	<75	<75	<60	20700	nr
4-May-2000	4260	725 ^{SPH}	5340	3360	639	<15.0	<75.0	147 ^{CSL SPL}	305 ^{CSL LBC}	<75	<75	<80	18600 ^{G7}	nr
3-Oct-2000	3560	646	4330	2408	440	<75.0	78.6	<200	<97.5	<37.5	<37.5	<30.0	13900 ^{G7}	nr
14-Dec-2000	3790	762	4200	2369	426	<150	<75.0	<400 ^{CSH}	<195	<75.0	<75.0	<80.0	15700 ^{G7}	nr
MW-2														
24-Sep-1998	6300	1400	13000	7900	1530	<65	nr	nr	nr	nr	nr	nr	45000	<1.8
8-Dec-1998	7900	1500	17000	9200	1630	<32	130	240	<36	250	<43	88	46000	<1.6
18-Mar-1999	6100	1300	13000	8000	1520	<64	<150	380	<72	<74	<86	88	44000	<1.6
21-Oct-1999	7070	1360	13800	7590	1419	<150	<75	644	<195	<75	<75	<60	47700	nr
6-Jan-2000	8930	1680	15500	7860	1292	<300	414	<800	<390	<150	<150	<120	39000	nr
4-May-2000	14100	2440 ^{SPH}	26000	13380	2120	<75	<375	445 ^{CSL SPL}	1490 ^{CSL LBC}	<375	<375	<300	73800 ^{G1}	nr
3-Oct-2000	1490	359	2450	2022	413.4	<6.00	41.2	109 ^{CSH SPH}	<78.0	<30.0	<30.0	<24.0	8520	nr
14-Dec-2000	314	311	378	1156	244	<75	<37.5	<200 ^{CSH}	<97.5	<37.5 ^{CSH SPH}	<37.5	<30.0	5520 ^{G8}	nr
MW-3														
24-Sep-1998	0.29	<0.59	0.59	<1.85	<1.21	0.84	nr	nr	nr	nr	nr	nr	<50	<1.8
8-Dec-1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	<1.6
18-Mar-1999	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	<1.6
21-Oct-1999	6.64	0.79	<0.4	9.57	1.87	<0.3	<0.15	<0.8	<0.99	3.72	<0.15	2.3	77.4	nr
6-Jan-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
4-May-2000	<0.15	<0.5 ^{SPH}	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8 ^{CSL SPL}	<0.39 ^{CSL}	<0.15	<0.15	<0.12	<50	nr
3-Oct-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
14-Dec-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15 ^{CSL}	<0.8	<0.39	<0.15 ^{SPH}	<0.15	<0.12	<50	nr

Laboratory Results - Groundwater

Pre- and Post Remediation

Bumper to Bumper Auto Parts

	Benzene	Ethylbenzene	Toluene	Xylenes	TMB	MtBE	n-Propylbenzene	Naphthalene	Methylene Chloride	1,2-DCA	Tetrachloroethene	1,2-Dibromoethane	GRO	Lead
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140														
ES	5	700	343	620	480	60	nr	40	5	5	5	0.5	nr	15
PAL	0.5	140	68.6	124	96	12	nr	8	0.5	0.5	0.5	0.05	nr	1.5
MW-4														
24-Sep-1998	<0.14	<0.59	<0.58	<1.85	<1.21	<0.65	nr	nr	nr	nr	nr	nr	<50	<1.8
8-Dec-1998	<0.27	<0.32	0.86	0.74	<0.49	<0.32	<0.76	<0.35	<0.36	2	<0.43	<0.39	<50	<1.6
18-Mar-1999	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	0.43	<0.36	1.6	<0.43	<0.39	<50	<1.6
21-Oct-1999	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	1.22	<0.15	<0.12	<50	nr
6-Jan-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	0.22	<0.15	<0.12	<50	nr
4-May-2000	<0.15	<0.5 ^{SPH}	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8 ^{CSL SPL}	<0.39 ^{CSL}	0.342	<0.15	<0.12	<50	nr
3-Oct-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
14-Dec-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15 ^{CSL}	<0.8	<0.39	0.298 ^{SPH J}	<0.15	<0.12	<50	nr
MW-5														
24-Sep-1998	<0.14	<0.59	<0.58	<1.85	<1.21	<0.65	nr	nr	nr	nr	nr	nr	<50	<1.8
8-Dec-1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	<1.6
18-Mar-1999	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	<1.6
21-Oct-1999	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
6-Jan-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
4-May-2000	<0.15	<0.5 ^{SPH}	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8 ^{CSL SPL}	<0.39 ^{CSL}	<0.15	<0.15	<0.12	<50	nr
3-Oct-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
14-Dec-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15 ^{CSL}	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
MW-6														
24-Sep-1998	na	na	na	na	na	na	na	na	na	na	na	na	na	na
8-Dec-1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	1.3	<0.39	<50	<1.6
18-Mar-1999	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	1.1	<0.39	<50	<1.6
21-Oct-1999	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	0.7	<0.12	<50	nr
6-Jan-2000	0.332	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.13	<0.12	<50	nr
4-May-2000	<0.15	<0.5 ^{SPH}	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8 ^{CSL SPL}	<0.39 ^{CSL}	<0.15	0.975	<0.12	<50	nr
3-Oct-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
14-Dec-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15 ^{CSL}	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr

Laboratory Results - Groundwater
Pre- and Post Remediation
Bumper to Bumper Auto Parts

Units	Benzene ug/L	Ethylbenzene ug/L	Toluene ug/L	Xylenes ug/L	TMB ug/L	MtBE ug/L	n-Propylbenzene ug/L	Naphthalene ug/L	Methylene Chloride ug/L	1,2-DCA ug/L	Tetrachloroethene ug/L	1,2-Dibromoethane ug/L	GRO ug/L	Lead ug/L
NR 140														
ES	5	700	343	820	480	80	nr	40	5	5	5	0.5	nr	15
PAL	0.5	140	68.6	124	96	12	nr	8	0.5	0.5	0.5	0.05	nr	1.5
Field Blank														
24-Sep-1998	<0.14	<0.59	<0.58	<1.85	<1.21	<0.65	nr	nr	nr	nr	nr	nr	<50	nr
8-Dec-1998	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	nr
18-Mar-1999	<0.27	<0.32	<0.27	<0.67	<0.49	<0.32	<0.76	<0.35	<0.36	<0.37	<0.43	<0.39	<50	nr
21-Oct-1999	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
6-Jan-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
4-May-2000	<0.15	<0.5 ^{SPH}	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8 ^{CSL SPL}	<0.39 ^{CSL}	<0.15	<0.15	<0.12	<50	nr
3-Oct-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr
14-Dec-2000	<0.15	<0.5	<0.4	<0.55	<0.55	<0.3	<0.15 ^{CSL}	<0.8	<0.39	<0.15	<0.15	<0.12	<50	nr

ES = Wisconsin Administrative Code NR 140 enforcement standard

PAL = Wisconsin Administrative Code NR 140 preventive action limit

Table contains only those compounds which exceeded NR 140 water quality limits. For complete VOC results, see analytical report

CSL = Check standard for this analyte exhibited a low bias. Sample results may also be biased high

SPL = Matrix spike recovery within analytical batch was low. Sample matrix appears similar to your sample; result may be biased low.

SPH = Matrix spike recovery within analytical batch was high. Sample matrix appears similar to your sample; result may be biased low.

G7 = The chromatogram is characteristic for gasoline, however either additional peaks are present or PVOC peaks are not proportional to gasoline, indicated the presence of additional compounds.

G8 = The chromatogram is characteristic for aged gasoline, however either additional peaks are present or PVOC peaks are not proportional to aged gasoline indicating the presence of additional compounds.

TMB = total of 1,2,4- and 1,3,5-Trimethylbenzene

MtBE = Methyl-tert-butyl ether

DCA = dichloroethane

GRO = gasoline range organics

Values in bold exceed NR 140 ES