

GRCRS Package Cover Sheet

Site Name Plum City School District

Site Address 612 Main Street, Plum City, WI

BRRTS # 03-48-001455 Date of Closure Decision 5/23/01

Closure letter(s)

Groundwater Use Restriction/~~Warranty Deed~~

Yes  No  Off-site contamination present? (Include related documents)

Yes  No  Right-of-way contamination present? (Include related documents)

General location map

346056 GPS x-coordinate

464487 GPS y-coordinate

Detailed site map(s)

Groundwater flow map(s)

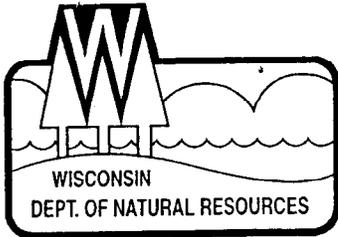
Latest map(s) showing extent or outline of plume - combined w/ site map.

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

If available:

Legal description - On Deed Notice

171102607004459 County and Parcel I.D./Tax Parcel No.



**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Scott A. Humrickhouse, Regional Director

Baldwin Service Center  
990 Hillcrest Street  
Suite 104  
Baldwin, Wisconsin 54002  
Telephone 715-684-2914  
FAX 715-684-5940

April 29, 2002

Mr. Tom Casey  
Plum City School District  
907 Main Street  
Plum City, WI 54761

**Subject: Final Case Closure  
Plum City School District, 612 Main St., Plum City, Wisconsin  
WDNR BRRTS # 03-48-001455**

Dear Mr. Casey:

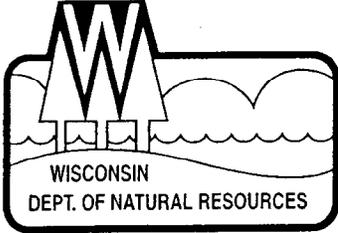
On May 23, 2001, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On July 25, 2001, you were notified that conditional closure was granted to this case.

On April 19, 2002, the Department received correspondence indicating that you have complied with the conditions of closure. The Department received copies of the recorded Ground Water Use Restriction, the recorded Deed Notice and the well abandonment forms. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715 684-2914 ext.117.



**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Scott A. Humrickhouse, Regional Director

Baldwin Service Center  
990 Hillcrest Street  
Suite 104  
Baldwin, Wisconsin 54002  
Telephone 715-684-2914  
FAX 715-684-5940

July 25, 2001

Plum City School District  
907 Main Street  
Plum City, WI 54761

**Subject: Conditional Case Closure  
Plum City School District, 612 Main St., Plum City, Wisconsin  
WDNR BRRTS # 03-48-001455**

Dear Sir/Madam:

On June 23, 2001, your request for closure of the case described above was reviewed by the West Central Region Closure Committee. This committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site from the former underground storage tank appears to have been investigated and remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05, Wis. Adm. Code, if the following conditions are satisfied:

**MONITORING WELL ABANDONMENT**

The monitoring wells and the other remediation wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code, unless long term groundwater monitoring is going to be conducted. If monitoring wells will not be immediately abandoned because you do not file a groundwater use restriction and future groundwater monitoring is planned, you will need to notify me of your monitoring plans in order to qualify for case closure. Documentation of well abandonment must be submitted to Patrick Collins on Form 3300-5B found at [www.dnr.state.wi.us/org/water/dgw/gw/](http://www.dnr.state.wi.us/org/water/dgw/gw/) or provided by the Department of Natural Resources.

**WASTE AND SOIL PILE REMOVAL**

Any remaining waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Please send a letter advising me that any remaining waste and/or soil piles have been removed once that work is completed.

**SOIL PERFORMANCE STANDARD**

As specified in NR 714.07(5), Wis. Adm. Code, where a proposed action to address soil contamination includes a performance standard selected in accordance with NR 720.19(2), responsible parties shall publish a public notice as a Class I notice under ch. 985, Stats. This public notice shall meet the requirements of NR 714.07(5)(a-e), Wis. Adm. Code, and should be

published in the nearest local paper. A copy of the published public notice shall be submitted to the Department.

### **GROUNDWATER USE RESTRICTION**

Section NR 726.05(2)(b), Wis. Adm. Code, provides that if groundwater contamination still exceeds NR 140 enforcement standards when a closure request is submitted, a case may only be closed if a groundwater use restriction is recorded for each property where enforcement standards are exceeded. Therefore, recording the required groundwater use restriction is an option that the Department of Natural Resources can offer to you in order to close this case. If you choose not to accept this option, you may be required to conduct additional groundwater monitoring using existing or additional monitoring wells and may choose to perform additional investigation and cleanup of the remaining contamination in order to qualify for unconditional closure. However, you should note that additional investigation or cleanup work may not be eligible for reimbursement from the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine if the additional work will be eligible for reimbursement.

If you choose to pursue closure with a groundwater use restriction, you will need to submit a draft groundwater use restriction to me before the document is signed and recorded. You may find attached a model groundwater use restriction for your use or visit our web site at [www.dnr.state.wi.us/org/rr](http://www.dnr.state.wi.us/org/rr) for a copy of the model format and language. **To assist us in the review of your draft groundwater use restriction document, you should submit a copy of the property deed or deeds to me along with the draft document.** Once Department of Natural Resources has checked your draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded at the Pierce County Register of Deeds Office, and then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a groundwater use restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

### **NOTICE OF RESIDUAL SOIL CONTAMINATION**

The closure committee has required that a deed notice be signed and recorded to give notice of the remaining soil contamination associated with the site. Residual soil contamination remains at base of the excavation as indicated in the information submitted to the Department of Natural Resources. If soil in this location (or these locations) is excavated in the future, the property owner at that time will be required to sample and analyze the excavated soil in order to determine whether the contamination still remains. The owner will also have to properly store, treat, or dispose of any excavated materials, based upon the results of that characterization, and take special precautions during excavation activities to prevent a direct contact threat to humans. The purpose of the notice is to notify all future owners that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation.

You will need to submit a draft deed notice to me before the document is signed and recorded. You may find a model deed notice enclosed for your use or visit our web site at [www.dnr.state.wi.us/org/rr](http://www.dnr.state.wi.us/org/rr). The required notice may be inserted into a groundwater use restriction document, if both a groundwater use restriction and a deed notice are required for the same property. **To assist us in our review of the deed notice, you should submit a copy of the property deed to me along with the draft document.** After Department of Natural Resources has reviewed the document for completeness, you should sign it if you own the property, or

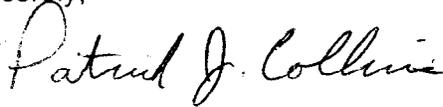
have the appropriate property owner sign it, and have it recorded at the Pierce County Register of Deeds Office, and then submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed notice is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715 684-2914.

Sincerely,



Patrick J. Collins  
Hydrogeologist  
Bureau for Remediation & Redevelopment

Enclosure

cc: Trevor Wilson – Ayres  
FILE



Subscribed and sworn to before me  
this 14 day of January, 2004.

*John M. Guller*  
Notary Public, State of WISC  
My commission Apr 2004

*No Notary  
Seal Affixed*

This document was drafted by Ayres Associates based on comments from the Wisconsin Department of Natural Resources.

Document Number

GROUNDWATER USE RESTRICTION

CONNIE OLSON  
REGISTER OF DEEDS  
PIERCE COUNTY

A part of the NW ¼, SW1/4 of Section 22, Township 25 North, Range 15 West, Village of Plum City, Pierce County, Wisconsin, described as follows:

The South Ten (10) feet of Lot Five (5) and the North Fifty (50) feet of Lots Six (6) and Seven (7); All in Block Three (3) in the Village of Plum City

424126

02-22-2002 8:00 AM

RECORDING FEE: 15.00  
RESTRICTIONS  
PAGES: 3

Return to:  
Plum City School District  
907 Main Street  
Plum City, WI 54761  
Parcel ID : 171102607004459

Declaration of Restrictions

STATE OF WISCONSIN )  
 ) SS  
COUNTY OF PIERCE )

WHEREAS, Mr. Tom Casey \_\_\_\_\_ is the Superintendent of schools for the owner of the above described property, the Plum City School District.

WHEREAS, one or more gasoline discharges have occurred at this property. Gasoline contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards exists on this property at the following location: In monitoring well PW-4 (concentrations of benzene at 8.0 micrograms per liter [ug/L], concentrations of 1,2,4, trimethylbenzene at 630 micrograms per liter [ug/L], and concentrations of 1,3,5 trimethylbenzene at 210 micrograms per liter [ug/L] in samples collected on November 16, 2000). A map showing the location of PW-4 is attached (Figure 2).

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional 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 exceeding ch. NR 140, Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. 809, Wis. Adm. Code is restricted by ch. NR 811, Wis. Adm. Code and ch. 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 prohibitions or requirements are applicable and to obtain Department approval, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering or if contaminated groundwater is otherwise extracted from this property in the future, the groundwater must be sampled and analyzed and must be managed in compliance with applicable laws and regulations. The property owner will need to apply for a WPDES permit if extracted groundwater from this property is proposed to be discharged.

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 and 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 the restrictions set forth in this covenant are no longer required. Upon 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 can be recorded to give notice that this groundwater use restriction is no longer binding.

By signing this document, Tom Casey asserts that he is duly authorized to sign this document on behalf of the Plum City School District.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 14 day of JANUARY 2002.

Signature: *Thomas R. Casey*  
Printed Name: Mr. Tom Casey

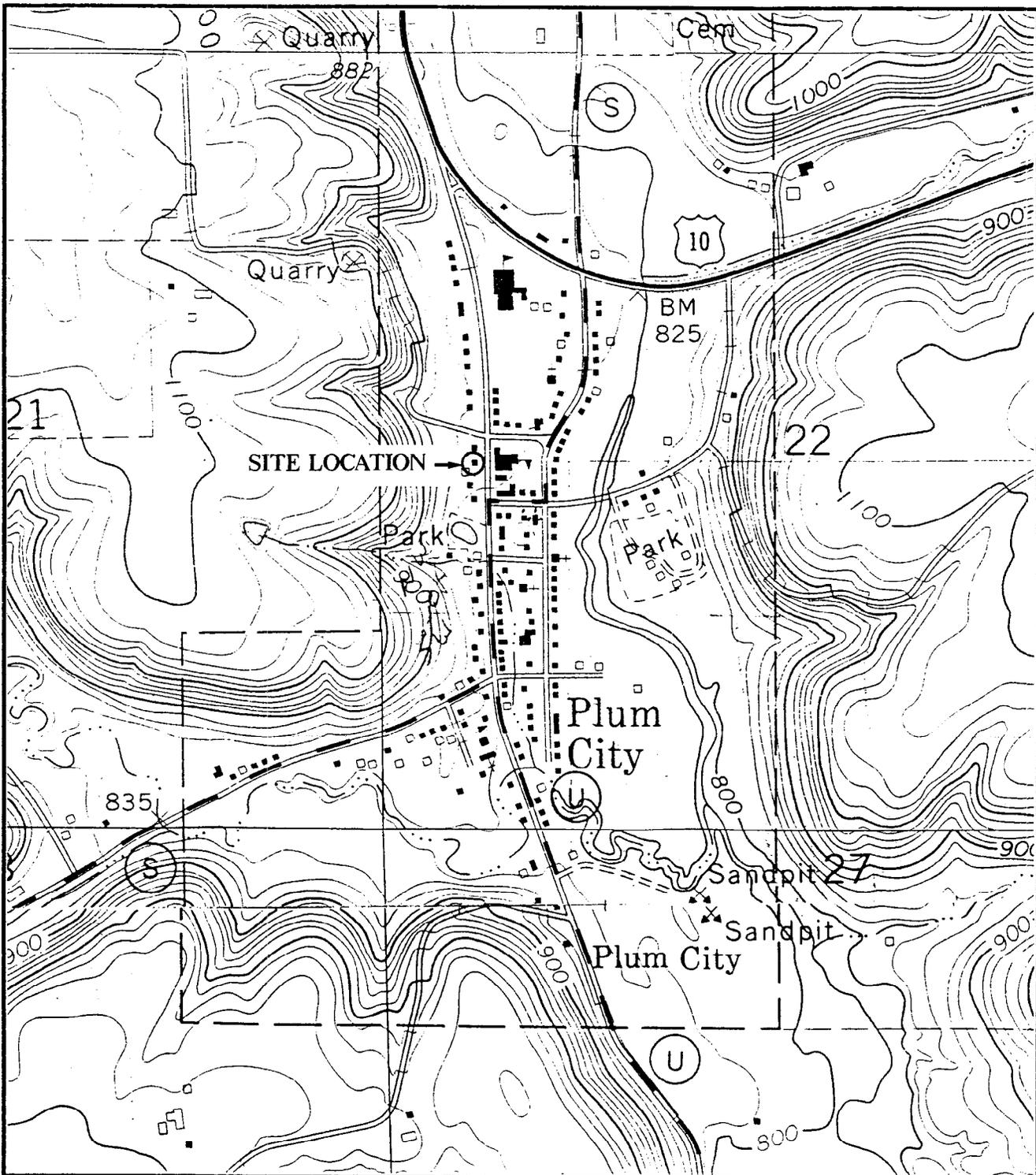
[When appropriate]: Title: Superintendent

Subscribed and sworn to before me  
this 14 day of January, 2002.

*Jay McGee*  
Notary Public, State of WISC  
My commission March 2004

*No Notary Seal Affixed*

This document was drafted by Ayres Associates based on comments from the Wisconsin Department of Natural Resources



**LEGEND**

*Topography C.I. - 20 Ft*

*Plum City/Nerike Hill  
Quadrangles  
Wisconsin -Pierce Co.*

*7.5 Minute Series; 1972*

architects - engineers - environmental specialists

**cedar corporation**

land surveyors - planners - landscape architects

DRAWN BY:  
USGS

DATE:  
JUNE, 1995

REVISED BY:  
CEL

SCALE:  
1" = 120'

**PLUM CITY SCHOOL DISTRICT  
BUS LOT  
612 MAIN ST.  
PLUM CITY, WI**

**SITE LOCATION**

CHECKED BY:  
CEL

JOB NO.:  
0675-011-63

FIGURE:

**1**





TABLE 3  
SOIL ANALYTICAL RESULTS  
RECOVERY WELLS

Boring	Date	Ayres Sample Number	Sample Depth (feet)	FID Response (i.u.s.)	GRO (mg/kg)	Benzene (mg/kg)	Ethyl-benzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	1,2,4-Trimethyl-benzene (mg/kg)	1,3,5-Trimethyl-benzene (mg/kg)	
RW-1	5/29/97	S-1	15-17	1.0	--	--	--	--	--	--	--	--	
		S-2	17.5-19.5	40	35	0.88	2.0	8.8	11.6	<0.12	0.94	<0.12	
		S-3	20-22	2.0	--	--	--	--	--	--	--	--	--
		S-4	22.5-24.5	3.0	--	--	--	--	--	--	--	--	--
		S-5	25-27	2.5	--	--	--	--	--	--	--	--	--
		S-6	27.5-29.5	3.4	--	--	--	--	--	--	--	--	--
		S-7	30-32	0.5	--	--	--	--	--	--	--	--	--
		S-8	32.5-34.5	1.4	<1.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
NR 720.09 Soil Cleanup Standard					100/250	0.0055	2.9	1.5	4.1	NS	NS	NS	

-- = Not analyzed

 = Exceeds NR 720 Soil Cleanup Standard

< = Less than the detection limit shown

i.u.s. = Instrument units

mg/kg = Milligrams per kilogram, equivalent to parts per million (ppm)

NR = No response

NS = No standard

1,2-DCA = 1,2-Dichloroethane

MTBE = Methyl-tert-butyl ether

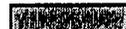
TABLE 2B  
 REMEDIAL ACTION SOIL ANALYTICAL RESULTS  
 CONFIRMATION SOIL SAMPLES  
 PLUM CITY SCHOOL DISTRICT SOIL EXCAVATION

Date	Sample Number	Sample Type*	Sample Location	Sample Depth (ft)	FID Response (I.u.)	Fuel Odor?	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m - p Xylenes (mg/kg)	o - Xylenes (mg/kg)	1,3,5-TMB (mg/kg)	1,2,4-TMB (mg/kg)	MTBE (mg/kg)
5/13/97	S-12	SW	Northwest sidewall	10	140	No	2.4 (a)	0.37	0.033 (a)	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5/20/97	S-22 (Lab)	B	Bottom west side of excavation	22	140	No	2.1 (a)	0.19	0.20	0.031	0.086	0.047	<0.025	<0.025	<0.025
5/20/97	S-23 (Lab)	SW	Southwest sidewall	12	22	No	<1.0	.034	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5/20/97	S-30 (Lab)	SW	Southeast sidewall	12	5.0	No	<1.0		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5/20/97	S-31 (Lab)	SW	East sidewall	12	0.0	No	<1.0		<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
5/20/97	S-32 (Lab)	SW	Bottom east side of excavation	22	40	No	3.1	0.44	0.12	<0.025	0.29	0.12	<0.025	0.080	<0.025
5/20/97	S-33 (Lab)	SW	Northeast sidewall	12	44	No	<1.0	.088	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
NR - 720 Soil Cleanup Standards							100		1.5	2.9	4.1 (for total xylenes)		NS	NS	NS

**ABBREVIATIONS AND ACRONYMS**

- (I.u.) = Instrument units
- (mg/kg) = Milligrams per kilogram, equivalent to parts-per-million
- = Not analyzed
- < = Not detected above method detection limit
- FID = Flame ionization detector
- GRO = Gasoline range organics
- TMB = Trimethylbenzene
- X = Excavated soil sample
- SW = Confirmation sidewall sample
- B = Confirmation bottom sample
- NS = No standard

**FOOTNOTES**

-  = Exceeds Wisconsin Administrative Code NR 720 Soil Cleanup Standards
- a = Estimated value, concentration was less than LOQ.

**TABLE 1B**  
**REMEDIAL ACTION SOIL ANALYTICAL RESULTS**  
**EXCAVATED SOIL SAMPLES**  
**PLUM CITY SCHOOL DISTRICT SOIL EXCAVATION**

Date	Sample Number	Sample Location	Sample Depth (ft)	FID Response (l.u.)	Fuel Odor?	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m - p Xylenes (mg/kg)	o - Xylenes (mg/kg)	1,3,5-TMB (mg/kg)	1,2,4-TMB (mg/kg)	MTBE (mg/kg)
5/13/97	S-1	West side of excavation	3	84	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-2	Northwest side of excavation	5	>1000	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-3	West side of excavation	7	46	No	--	--	--	--	--	--	--	--	--
5/13/97	S-4	Mid-west side of excavation	9	20	No	--	--	--	--	--	--	--	--	--
5/13/97	S-5	Southwest side of excavation	11	>1000	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-6	Mid-west side of excavation	13	65	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-7	Northwest side of excavation	9	>1000	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-8	Southwest side of excavation	10	280	No	--	--	--	--	--	--	--	--	--
5/13/97	S-9 (Lab)	Excavated soil sample (west side of ex.)	15	>1000	Yes	1800	35	140	28	110	43	12	58	<5.0
5/13/97	S-10	Mid-north side of excavation	13	300	Yes	--	--	--	--	--	--	--	--	--
5/13/97	S-11	Middle of excavation	15	3.0	No	--	--	--	--	--	--	--	--	--
5/13/97	S-13	Mid-south side of excavation	12	290	No	--	--	--	--	--	--	--	--	--
5/14/97	S-14	Middle of excavation	3	4.0	No	--	--	--	--	--	--	--	--	--
5/14/97	S-15	West side of excavation	16	>1000	Yes	--	--	--	--	--	--	--	--	--
5/20/97	S-16	Mid-northeast side of excavation	14	740	Yes	--	--	--	--	--	--	--	--	--
5/20/97	S-17	South side of excavation	13	205	No	--	--	--	--	--	--	--	--	--
5/20/97	S-18	Mid-east side of excavation	4	3.0	No	--	--	--	--	--	--	--	--	--
5/20/97	S-19	South side of excavation	17	460	Yes	--	--	--	--	--	--	--	--	--
5/20/97	S-20	Southeast side of excavation	17	280	Slight	--	--	--	--	--	--	--	--	--
5/20/97	S-21	West side of excavation	20	>1000	Yes	--	--	--	--	--	--	--	--	--
5/20/97	S-24	Southeast side of excavation	8	1.0	No	--	--	--	--	--	--	--	--	--
5/20/97	S-25	Southeast side of excavation	18	0.0	No	--	--	--	--	--	--	--	--	--
5/20/97	S-26	Northeast side of excavation	20	125	Slight	--	--	--	--	--	--	--	--	--
5/20/97	S-27	Northeast side of excavation	19	95	Slight	--	--	--	--	--	--	--	--	--
5/20/97	S-28	East side of excavation	20	18	No	--	--	--	--	--	--	--	--	--
5/20/97	S-29	East side of excavation	12	6.0	No	--	--	--	--	--	--	--	--	--
NR - 720 Soil Cleanup Standards						100	0.0055	1.5	2.9	4.1 (for total xylenes)		NS	NS	NS

**ABBREVIATIONS AND ACRONYMS**

(l.u.) = Instrument units  
(mg/kg) = Milligrams per kilogram, equivalent to parts-per-million  
-- = Not analyzed  
FID = Flame ionization detector  
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TMB = Trimethylbenzene

**FOOTNOTES**

 = Exceeds Wisconsin Administrative Code NR 720 Soil Cleanup Standards  
a = Estimated value, concentration was less than LOQ.

**TABLE 2A  
PLUM CITY SCHOOLS  
GROUND WATER SAMPLE RESULTS**

Well	Date	DRO (µg/L)	GRO (µg/L)	Benzene (µg/L)	Ethyl Benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	1, 2, 4-TMB (µg/L)	1, 3, 5-TMB (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diss. Lead (µg/L)	
PW-3	11/21/95	NA	<50	1.8	<0.2	0.8	<0.4	<0.3	<0.2	0.7	1.3	NA	
	03/13/96	NA	<50 (a)	0.8 (c)	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2	NA	NA	
	06/05/96	75	<30	1.3	<0.2	<0.2	<0.5	<0.4	<0.3	<0.3	NA	NA	
	07/23/97	NA	120		0.3	2.3	<0.50	1.2	0.8	<0.30	NA	NA	
	02/12/98	NA	<30	1.3	<0.30	9.3	2.9	<0.30	<0.30	<0.20	NA	NA	
	05/20/98	NA	<30	<0.30	<0.30	<0.20	<0.60	<0.30	<0.30	<0.20	NA	NA	
	08/31/98	NA	<30	<0.30	<0.30	<0.20	<0.60	<0.30	<0.30	<0.20	NA	NA	
	12/20/98	NA	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA	NA	
	05/17/99	NA	<50	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	
	08/26/99	NA	<50	<0.26	<0.24	0.42	<0.97	<0.86	<0.54	<0.22	NA	NA	
	11/11/99	210	<50	<0.26	<0.24	<0.21	<0.97	<0.86	<0.54	<0.22	NA	NA	
	02/18/00	NA	<50	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA	
	05/16/00	NA	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA	NA	
	08/31/00	NA	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.40	NA	NA	
11/16/00	NA	<14	<0.40	<0.40	<0.40	<1.1	<0.40	<0.40	<0.40	NA	NA		
PW-4	03/12/96	PRODUCT THICKNESS = 1.80 FEET										NA	
	01/08/96	PRODUCT THICKNESS = 1.21 FEET										NA	
	04/18/96	PRODUCT THICKNESS = 1.24 FEET										NA	
	08/21/96	PRODUCT THICKNESS = 0.19 FEET										NA	
	03/12/97	15,000	68,000							<60	NA	NA	
	08/12/97	NA	42,000							<100	NA	NA	
	07/23/97	NA	35,000							<30	NA	NA	
	02/12/98	NA	33,000							<20	NA	NA	
	05/20/98	NA	30,000							<40	NA	NA	
	08/31/98	NA	26,000							<10	NA	NA	
	12/20/98	NA	9,000							<10	NA	NA	
	03/02/99	NA	17,000							<10	NA	NA	
	05/17/99	NA	17,000							15	NA	NA	
	08/26/99	NA	15,000							<4.4	NA	NA	
	11/11/99	4,200	5,700							<1.1	NA	NA	
	02/18/00	NA	8,700							30	NA	NA	
	05/16/00	NA	4,900							12	NA	NA	
	08/31/00	NA	4,600							<20	NA	NA	
	11/16/00	NA	3,800							<8.0	NA	NA	
NR 140 ES	NS	NS			100	1000	10000	Combined 480		60	40	15	
NR 140 PAL	NS	NS			0.5	140	200	1000	Combined 96		12	8	1.5

48.0 48.00 19 860 630 210

**ABBREVIATIONS AND ACRONYMS**

MTBE = Methyl tert-butyl ether  
 1,2,4-TMB = 1,2,4-Trimethylbenzene  
 1,3,5-TMB = 1,3,5-Trimethylbenzene  
 µg/L = Micrograms per liter = parts per billion

**DESIGNATION**

XXXXXXXXXX = Concentration is > NR 140 Enforcement Standard

**FOOTNOTES**

(a) = Sample contained fractions lighter than GRO hydrocarbons.  
 (b) = Method blank concentration was 85 µg/L.  
 (c) = Estimated value, concentration was less than LOQ.

= Concentration is > NR 140 Preventive Action Limit

**TABLE 2A (Cont.)  
PLUM CITY SCHOOLS  
GROUND WATER SAMPLE RESULTS**

WELL	DATE	DRO (µg/L)	GRO (µg/L)	BENZENE (µg/L)	ETHYL BENZENE (µg/L)	TOLUENE (µg/L)	XYLENES (µg/L)	1, 2, 4- TMB (µg/L)	1, 3, 5- TMB (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Diss. Lead (µg/L)
PW-5	01/08/96	NA	<50	<0.2	<0.2	0.4	<0.4	0.5	<0.2	<0.2	<0.3	NA
	03/13/96	NA	<50	<0.2	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2	NA	NA
	06/05/96	40	<30	<0.2	<0.2	<0.2	<0.5	<0.4	<0.3	<0.3	NA	NA
	07/23/97	NA	<30	<0.20	<0.30	<0.20	<0.50	<0.40	<0.30	<0.30	NA	NA
	08/31/98	NA	<30	<0.20	<0.30	<0.20	<0.50	<0.40	<0.30	<0.30	NA	NA
	08/26/99	NA	<50	<0.26	<0.24	0.42	<0.97	<0.86	<0.54	<0.22	NA	NA
	08/31/00	NA	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.40	NA	NA
PW-8	03/13/96	190 (b)	<50	<0.2	<0.2	<0.2	<0.4	0.3	<0.2	<0.2	<0.3	NA
	06/05/96	46	<30	<0.2	<0.2	<0.2	<0.5	<0.4	<0.3	<0.3	NA	NA
	07/23/97	NA	<30	<0.20	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA	NA
	07/23/97	NA	<30	<0.20	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA	NA
	08/31/00	NA	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.40	NA	NA
RW-1	06/17/97	<28	1,700	620	24	300	142	<14	<8.0	<4.0	<0.29	3.0
MW-4 (Binkowski)	06/10/96	<29	947 (a)	300	16	21	<5.0	<4.0	<3.0	8.9	NA	NA
	07/01/98	NA	1800	320	110	1100	240	<7.5	<7.5	<5.0	NA	NA
	08/31/98	NA	570	330	120	140	540	3.3	<0.30	<0.20	NA	NA
	12/20/98	NA	<30	16	0.8	<0.20	<0.90	<0.30	<0.30	<0.20	NA	NA
	03/02/99	NA	71	1.0	8.4	20	13	1.4	<0.30	1.3	NA	NA
	05/17/99	NA	280	2.6	39	15	150	2.5	<0.54	<0.22	NA	NA
	08/26/99	NA	<50	<0.26	<0.24	0.31	<0.97	<0.86	<0.54	<0.22	NA	NA
	11/11/99	<100	<50	<0.26	<0.24	<0.21	<0.97	<0.86	<0.54	<0.22	NA	NA
	02/18/00	NA	<50	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA	NA
	05/18/00	NA	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA	NA
	8/31/00	Well has been abandoned by firm working on the site next door										
NR 140 ES		NS	NS	5	700	1000	10000	Combined 480		80	40	15
NR 140 PAL		NS	NS	0.5	140	200	1000	Combined 96		12	8	1.5

**ABBREVIATIONS AND ACRONYMS**

MTBE = Methyl tert-butyl ether  
 1,2,4-TMB = 1,2,4-Trimethylbenzene  
 1,3,5-TMB = 1,3,5-Trimethylbenzene

NA = Not analyzed  
 NS = No standard established  
 µg/L = Micrograms per liter = parts per billion

**FOOTNOTES**

(a) = Sample contained fractions lighter than GRO hydrocarbons.  
 (b) = Method blank concentration was 85 µg/L.  
 (c) = Estimated value, concentration was less than LOQ.

**DESIGNATION**

██████████ = Concentration is > NR 140 Enforcement Standard

= Concentration is > NR 140 Preventive Action Limit

**TABLE 2C  
PLUM CITY PRIVATE WELLS  
ANALYSIS RESULTS**

WELL	DATE	DRO (µg/L)	GRO (µg/L)	Benzene (µg/L)	Ethyl Benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	1, 2, 4-TMB (µg/L)	1, 3, 5-TMB (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
Apartment (well abandoned) (kitchen tap)	04/18/96	<29	<50	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	<0.3
Library (former apartment) (tap before pressure tank)	01/08/98	<28	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	02/12/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	03/02/99	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/26/99	<100	<50	<0.26	<0.24	0.38	<0.97	<0.86	<0.54	<0.22	NA
	08/31/00	<19	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA
Bothun Residence (134 Pine Ave)	04/29/97	NA	NA	<0.20	<0.20	<0.20	<0.60	<0.70	<0.40	<0.20	<0.80
	07/23/97	<28	<30	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	NA
	02/12/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/31/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/26/99	<100	<50	<0.26	<0.24	0.32	<0.97	<0.86	<0.54	<0.22	NA
	08/31/00	<18	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA
Grocery Store	07/23/97	<28	<30	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	NA
	02/12/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	05/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/31/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/26/99	<100	<50	<0.26	<0.24	0.34	<0.97	<0.86	<0.54	<0.22	NA
	08/31/00	<18	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA
Legion	07/23/97	45	<30	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	NA
	02/12/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	05/20/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/31/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/26/99	<100	<50	<0.26	<0.24	0.34	<0.97	<0.86	<0.54	<0.22	NA
	08/31/00	<19	18	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.40	NA
NR 140 ES		NS	NS	5	700	343	620	NS	NS	60	40
NR 140 PAL		NS	NS	0.5	140	68.6	124	NS	NS	12	8

**ABBREVIATIONS AND ACRONYMS**

1,2,4-TMB = 1,2,4-Trimethylbenzene  
 1,3,5-TMB = 1,3,5-Trimethylbenzene  
 MTBE = Methyl tert-butyl ether

NS = No standard established  
 µg/L = Micrograms per liter = parts per billion  
 NA = Not analyzed

**DESIGNATIONS**

< = Not detected at or above this value  
 (a) = Sample contained fractions lighter than GRO hydrocarbons  
 [Redacted] = Exceeds NR 140 Preventive Action Limit

**TABLE 2C (Cont.)  
PLUM CITY PRIVATE WELLS  
ANALYSIS RESULTS**

WELL	DATE	DRO (µg/L)	GRO (µg/L)	Benzene (µg/L)	Ethyl Benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	1, 2, 4-TMB (µg/L)	1, 3, 5-TMB (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
Greg's Comer Bar	04/18/96	49	<50	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	<0.3
	02/18/97	<28	<30	<0.20	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA
	07/24/97	NA	NA	<0.20	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA
	05/20/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/31/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/26/99	<100	<50	<0.26	<0.24	0.42	<0.97	<0.86	<0.54	<0.22	NA
Watkins Locker Plant (kitchen tap) (kitchen tap) (pressure tank) (pressure tank) (tap before filter) (tap before filter)	04/18/96	<30	<50	<0.2	<0.2	<0.2	<0.6	<0.3	<0.2	<0.2	<0.3
	02/18/97	<27	<30 (a)	37	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA
	02/28/97	NA	<30	32	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA
	07/23/97	<29	<30	26	<0.20	<0.20	<0.50	<0.40	<0.30	<0.30	NA
	09/17/97	NA	<30	22	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	02/12/98	<27	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	05/20/98	<27	<30	<0.20	<0.30	0.20	<0.90	<0.30	<0.30	<0.20	NA
	08/31/98	<26	<30	<0.20	<0.30	0.20	<0.90	<0.30	<0.30	<0.20	NA
	12/20/98	<28	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	03/02/99	<26	<30	<0.20	<0.30	<0.20	<0.90	<0.30	<0.30	<0.20	NA
	05/17/99	<100	<50	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA
	08/26/99	<100	<50	<0.26	<0.24	0.32	<0.97	<0.86	<0.54	<0.22	NA
	11/10/99	<100	<50	<0.26	<0.24	<0.21	<0.97	<0.86	<0.54	<0.22	NA
	02/18/00	<100	<50	<0.26	<0.24	<0.21	<1.34	<0.86	<0.54	<0.22	NA
	05/16/00	<28	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.30	NA
	08/31/00	<18	<14	<0.50	<0.50	<0.50	<1.5	<0.50	<0.50	<0.40	NA
11/16/00	<18	<14	<0.40	<0.40	<0.40	<1.1	<0.40	<0.40	<0.40	NA	
NR 140 ES		NS	NS	5	700	343	620	NS	NS	60	40
NR 140 PAL		NS	NS	0.5	140	68.6	124	NS	NS	12	8

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 1,3,5-TMB = 1,3,5-Trimethylbenzene  
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**DESIGNATIONS**

< = Not detected at or above this value  
 (a) = Sample contained fractions lighter than GRO hydrocarbons  
 [shaded box] = Exceeds NR 140 Preventive Action Limit

DATE: 11/15/2007  
 DATE OF FIELD: 02/20/07  
 DESIGN: J.A.L.B. (revised by J.A.L.B.)  
 SHEET NO. 1 OF 1

WOODEN BLUFF

TOWN OF UNION BUILDING

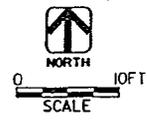
OPEN-FRONT SHED

TOWN OF UNION USTs (REMOVED)

PLUM CITY SCHOOL DISTRICT UST (REMOVED)

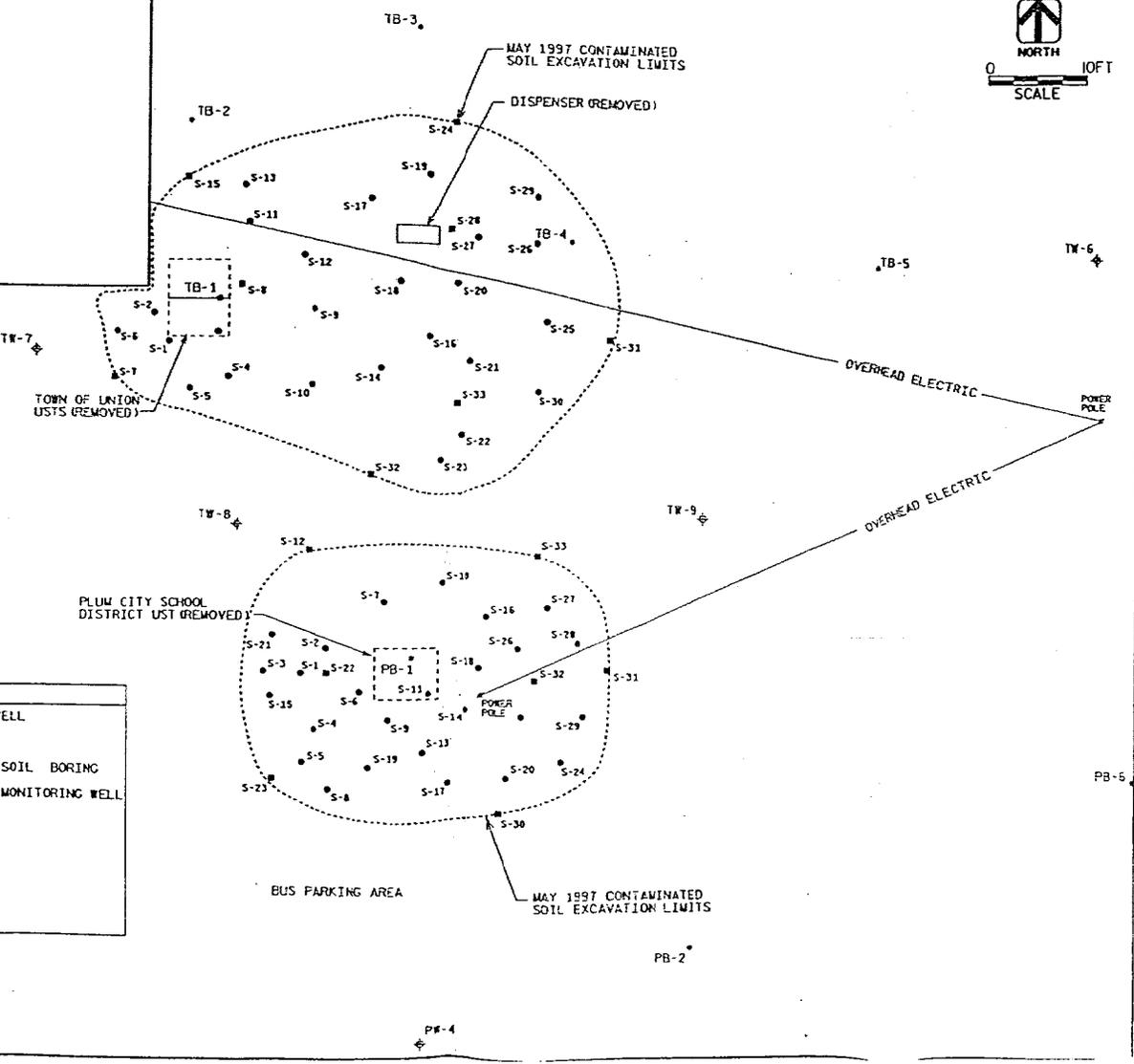
MAY 1997 CONTAMINATED SOIL EXCAVATION LIMITS

DISPENSER (REMOVED)



**LEGEND:**

- TB-2 TOWN OF UNION MONITORING WELL
- ⊕ TW-8 TOWN OF UNION SOIL BORING
- PB-1 PLUM CITY SCHOOL DISTRICT SOIL BORING
- ⊕ PW-5 PLUM CITY SCHOOL DISTRICT MONITORING WELL
- B-1 BINKOWSKI SOIL BORING
- ⊕ MW-3 BINKOWSKI MONITORING WELL
- ⊕ RW-1 RECOVERY WELL
- S-29 HEADSPACE SOIL SAMPLE
- S-24 LABORATORY SOIL SAMPLE



MAIN STREET

SOIL EXCAVATION LIMITS & SOIL SAMPLE LOCATIONS

DATE: 11/15/2007  
 DATE OF FIELD: 02/20/07  
 DESIGN: J.A.L.B. (revised by J.A.L.B.)  
 SHEET NO. 1 OF 1

**AVIRES ASSOCIATES**

REMEDIAL ACTION  
 PLUM CITY SCHOOL DISTRICT /  
 TOWN OF UNION  
 PLUM CITY, WISCONSIN

FIGURE  
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000020